

City of Aurora



Finance Department | Purchasing Division

44 E Downer Place | Aurora, Illinois & 60507

Phone: (630) 256-3550 | Fax: (630) 256-3559 | Web: www.aurora-il.org

DATE: April 17, 2024
TO: Prospective Bidders
FROM: Jolene Coulter, Director of Purchasing
RE: **CITY OF AURORA INVITATION TO BID 24-059**
ADDENDUM #1 – MCCOY DRIVE & CHESHIRE TRAFFIC
SIGNAL INSTALLATION

This notice forms a part of the Invitation to Bid 24-059: McCoy Drive & Cheshire Traffic Signal Installation. All other information pertaining to this Invitation to Bid shall remain the same.

The Bid Due/Bid Opening Date and Time has been changed to Wednesday, May 1, 2024 at 11:00 am.

Sealed Bids will be received at the City of Aurora, Attn: City Clerk, 44 East Downer Place, Aurora, Illinois 60507, until **11:00 am, CST, Wednesday, May 1, 2024.** It is the sole responsibility of the Bidder to see that their Bid is received by the due date and time. No Late bids will be accepted.

Page 1 of 1

End of Addendum #1



COVER SHEET

Proposal Submitted By:

Contractor's Name
H&H ELECTRIC CO.

Contractor's Address
2830 COMMERCE STREET

City
FRANKLIN PARK

State
IL

Zip Code
60131

STATE OF ILLINOIS

Local Public Agency
City of Aurora

County
DuPage

Section Number
23-00361-00-TL

Route(s) (Street/Road Name)
McCoy Drive/Cheshire Drive

Type of Funds
MFT

Proposal Only Proposal and Plans Proposal only, plans are separate

Submitted/Approved For Local Public Agency:

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature & Date

Submitted/Approved

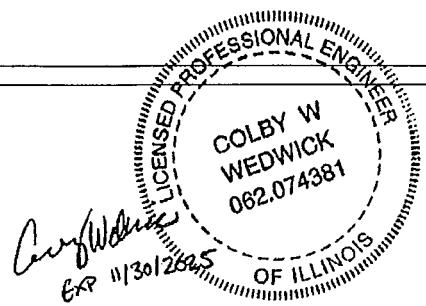
County Engineer/Superintendent of Highways Signature & Date

For a Municipal Project

Submitted/Approved/Passed

Signature & Date
[Signature] 3-20-24

Official Title
Asst. Dir. of Public Works/ Asst. City Engineer



Department of Transportation

Released for bid based on limited review

Regional Engineer Signature & Date
Jose Rios/MK 3/25/2024

Note: All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
City of Aurora	DuPage	23-00361-00-TL	McCoy Drive/Cheshire Drive

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of the City Clerk

44. E Downer Place, Aurora, IL 60507	Address	until 2:00 PM	Name of Office	on 04/24/24	Date
		Time			

Sealed proposals will be opened and read publicly at the office of the City Clerk

44. E Downer Place, Aurora, IL 60507	Address	at 2:00 PM	Name of Office	on 04/24/24	Date
		Time			

DESCRIPTION OF WORK

Location	Project Length
Intersection of McCoy Drive and Cheshire Drive	750-feet (0.14 mi)

Proposed Improvement
New Traffic Signal Installation, Sidewalk Improvements, Pavement Markings, and Curb & Gutter removal and replacement.

1. Plans and proposal forms will be available in the office of
ELECTRONIC ONLY (<https://www.aurora-il.org/bids.aspx>)
 Contact: PurchasingDL@aurora.il.us

Inquiries and/or questions pertaining to the provisions and specifications of this bid package shall be directed to the Director of Purchasing, in writing at PurchasingDL@aurora.il.us. Questions will be accepted until 8:00 am, CST, Tuesday, April 16, 2024. Questions will be answered via addendum and posted to the City's website at <https://www.aurora.il.us/bids.aspx> by 4:00 pm, Thursday, April 18, 2024. NO questions will be accepted or answered verbally. No questions will be accepted or answered after the April 16, 2024 8:00 am cut-off date/time. It is the Bidder's responsibility to check the website before submitting their proposal.

2. Prequalification ✓
 - ↳ If checked, the 2 apparent as read low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57) in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and two originals with the IDOT District Office.
3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
 - a. Local Public Agency Formal Contract Proposal (BLR 12200)
 - b. Schedule of Prices (BLR 12201) *BLR 11510 (REV. 10/25/21)*
 - c. Proposal Bid Bond (BLR 12230) (if applicable)
 - d. Apprenticeship or Training Program Certification (BLR 12325) (do not use for project with Federal funds.)
 - e. Affidavit of Illinois Business Office (BLR 12326) (do not use for project with Federal funds)
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
City of Aurora	DuPage	23-00361-00-TL	McCoy Drive/Cheshire Drive

PROPOSAL

1. Proposal of H&H ELECTRIC CO.
Contractor's Name
2830 COMMERCE STREET, FRANKLIN PARK, ILLINOIS 60131
Contractor's Address

2. The plans for the proposed work are those prepared by _____
and approved by the Department of Transportation on _____

3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.

4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.

5. The undersigned agrees to complete the work within 35 working days or by _____ unless additional time is granted in accordance with the specifications.

6. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond of check shall be forfeited to the Awarding Authority.

7. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the products of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price. A bid may be declared unacceptable if neither a unit price nor a total price is shown.

8. The undersigned submits herewith the schedule of prices on BLR 12201 covering the work to be performed under this contract.

9. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12201, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.

10. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond, if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: City of Aurora Treasurer of _____

The amount of the check is 5% of the bid amount (5% OF TOTAL BID AMOUNT).

Attach Cashier's Check or Certified Check Here

In the event that one proposal guaranty check is intended to cover two or more bid proposals, the amount must be equal to the sum of the proposal guaranties which would be required for each individual bid proposal. If the proposal guaranty check is placed in another bid proposal, state below where it may be found.

The proposal guaranty check will be found in the bid proposal for: Section Number 23-00361-00-TL

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
City of Aurora	DuPage	23-00361-00-TL	McCoy Drive/Cheshire Drive

CONTRACTOR CERTIFICATIONS

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedure established by the appropriate Revenue Act, its liability for the tax or the amount of the tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense, or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State of Local government. No corporation shall be barred from contracting with any unit of State or Local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be canceled.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
City of Aurora	DuPage	23-00361-00-TL	McCoy Drive/Cheshire Drive

SIGNATURES

(If an individual)

Bidder Signature & Date

Business Address

City _____ State _____ Zip Code _____

(If a partnership)

Firm Name

Signature & Date

Title

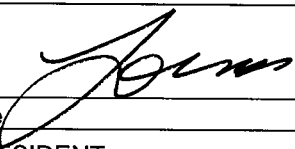
Business Address

City _____ State _____ Zip Code _____

Insert the Names and Addresses of all Partners

(If a corporation)

Corporate Name
 H&H ELECTRIC CO.

Signature & Date
 LOUIE VENEZIANO

Title
 PRESIDENT

Business Address
 2830 COMMERCE STREET

City _____ State _____ Zip Code _____
 FRANKLIN PARK IL 60131

Insert Names of Officers

President
 LOUIE VENEZIANO

Attest:



Secretary

LENNY VENEZIANO

Secretary

LENNY VENEZIANO

Treasurer

LOUIE VENEZIANO



Illinois Department of Transportation

Office of Highways Project Implementation / Bureau of Construction
2300 South Dirksen Parkway / Springfield, Illinois 62764

April 2, 2024

Mr. Louie Veneziano, President
H & H Electric Co.
2830 Commerce Street
Franklin Park, Illinois 60131

Dear Mr. Veneziano:

We received your request on April 1, 2024, concerning an extension of time. In response to this request, the Department hereby extends your prequalification rating from May 30, 2024 to July 31, 2024. Be advised that even though your ratings continue through July 31, 2024, the prequalification "cut-off" date remains July 12, 2024 for the August 2, 2024 letting. Any renewal applications, request for further extensions or information for revisions must be received by 4:30 p.m. on July 12, 2024.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lora Rensing'.

Lora Rensing, P.E.
Engineer of Construction



**Illinois Department
of Transportation**

Certificate of Eligibility

H & H Electric Co.
2830 Commerce Street Franklin Park, IL 60131-2927

Contractor No 2550

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED

\$76,985,000.00

014	ELECTRICAL	\$24,650,000
017	CONCRETE CONSTRUCTION	\$325,000
026	SIGNING	\$100,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 4/2/2024 TO 7/31/2024 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION. ISSUED AT SPRINGFIELD, ILLINOIS ON 4/2/2024.


Engineer of Construction

The United States Department of Labor

Office of Apprenticeship

Certificate of Registration of Apprenticeship Program

*Local Number 9, IBEW & Middle States Electrical Contractors Association
Apprenticeship and Journeymen Training Fund (AJTF)*

University Park, Illinois

For The Trade(s) of: Outdoor Electrical Worker / Line Maintainer

Registered as part of the National Apprenticeship System

in accordance with the basic standards of apprenticeship

established by the Secretary of Labor



August 26, 1992

Revised: October 14, 2021

IL015920003

Date

Registration No.

A. V. L. M.

Administrator, Office of Apprenticeship

Certificate No: ECC93439-20



Brandon Johnson, Mayor

Certificate of Registration

issued by the
Department of Buildings

This is to Certify that
H & H ELECTRIC CO. - ECC93439
2830 COMMERCE ST. FRANKLIN PARK, IL 60131
having complied with the requirements of Ordinances passed by the City Council of the City of Chicago
providing for the registration of electrical contractors is hereby recorded as a

REGISTERED ELECTRICAL CONTRACTOR

General Electrician

and is entitled to perform electrical work in the City of Chicago under the Direction of Supervising Electrician
provided that such work permits are subject to the provisions of all the Ordinances of the City of Chicago
*now in force or which may be hereafter passed. This certificate **EXPIRES** December 29, 2024.*

SUPERVISING ELECTRICIAN: LOUIE S VENEZIANO - SE6318

In Witness Whereof I have hereunto set my hand on October 25, 2023.

Matthew Beaudet, Commissioner



Contract Estimate of Cost

Local Public Agency
City of Aurora

County Dupage Section Number 23-00361-00-TL

Route(s)/Street-Road Name
McCoy Drive/Cheshire Drive

Project Length
750-Feet

Project Termini
Intersection

ITEM NUMBER	ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
1	EARTH EXCAVATION	CU YD	44	196.47	8,644.68
2	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	25	196.47	4,911.75
3	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	40	52.39	2,095.60
4	SODDING, SALT TOLERANT	SQ YD	45	129.67	5,835.15
5	SUPPLEMENTAL WATERING	UNIT	10	45.84	458.40
6	INLET FILTERS	EACH	3	392.94	1,178.82
7	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	115	6.55	753.25
8	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,001	17.03	17,047.03
9	DETECTABLE WARNINGS	SQ FT	71	58.94	4,184.74
10	COMBINATION CURB AND GUTTER REMOVAL	FOOT	91	32.75	2,980.25
11	SIDEWALK REMOVAL	SQ FT	1,041	4.32	4,497.12
12	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (ABUTTING EXISTING PAVEMENT)	FOOT	91	111.33	10,131.03
13	MOBILIZATION	L SUM	1	47,083.42	47,083.42
14	TRAFFIC CONTROL AND PROTECTION, STANDARD 701101	EACH	1	143.55	143.55
15	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1	3,588.65	3,588.65
16	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1	143.55	143.55
17	TRAFFIC CONTROL AND PROTECTION, STANDARD 701901	EACH	1	143.55	143.55
18	SIGN PANEL - TYPE 1	SQ FT	58	31.44	1,823.52
19	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	39.29	157.16
20	REMOVE SIGN PANEL - TYPE 1	SQ FT	36	3.93	141.48
21	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	314.35	314.35
22	TELESCOPING STEEL SIGN SUPPORT	FOOT	60	19.65	1,179.00
23	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	4	83.83	335.32
24	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	146	9.05	1,321.30
25	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,832	1.52	2,784.64
26	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,156	2.27	2,624.12
27	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	57	4.53	258.21
28	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	146	9.05	1,321.30
29	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,538	7.86	12,088.68
30	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1	3,677.35	3,677.35
31	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	168	18.59	3,123.12
32	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	132	61.69	8,143.08
33	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	306	71.08	21,750.48
34	HANDHOLE	EACH	6	1,957.02	11,742.12
35	DOUBLE HANDHOLE	EACH	1	4,478.13	4,478.13
36	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	500	2.11	1,055.00
37	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	1	704.41	704.41
38	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,645	1.15	1,891.75
39	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,540	1.30	3,302.00

Page Total \$198,037.06

Total Estimated Cost

Prepared By
LOUIE VENEZIANO

Date
4/30/2024

Signed By

LOUIE VENEZIANO

Date
4/30/2024



Contract Estimate of Cost

Local Public Agency
City of Aurora

County Section Number
Dupage 23-00361-00-TL

Route(s)/Street-Road Name
McCoy Drive/Cheshire Drive

Project Length
750-Feet

Project Termini
Intersection

	CARRIED FORWARD				198,037.06
40	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,340	1.66	3,884.40
41	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,917	2.00	3,834.00
42	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	100	2.69	269.00
43	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	500	1.71	855.00
44	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	2,201.92	8,807.68
45	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1	13,308.12	13,308.12
46	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1	16,739.26	16,739.26
47	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1	17,600.58	17,600.58
48	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1	21,255.03	21,255.03
49	CONCRETE FOUNDATION, TYPE A	FOOT	48	307.03	14,737.44
50	CONCRETE FOUNDATION, TYPE C	FOOT	4	903.71	3,614.84
51	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10	273.08	2,730.80
52	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	35	366.78	12,837.30
53	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6	785.07	4,710.42
54	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	682.48	1,364.96
55	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	926.53	3,706.12
56	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	1,131.30	4,525.20
57	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	685.44	5,483.52
58	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	10	225.81	2,258.10
59	LIGHT DETECTOR	EACH	4	1,537.74	6,150.96
60	LIGHT DETECTOR AMPLIFIER	EACH	1	7,576.66	7,576.66
61	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	980	1.03	1,009.40
62	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	26,180.04	26,180.04
63	CAT. 6 ETHERNET CABLE	FOOT	380	2.36	896.80
64	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1	1,058.61	1,058.61
65	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	7	835.95	835.95
66	VIDEO DETECTION SYSTEM COMPLETE	EACH	1	35,552.23	35,552.23
67	CHANGEABLE MESSAGE SIGN (SPECIAL)	CAL MO	4	1,571.76	6,287.04
68	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1	5,800.29	5,800.29
69	ETHERNET SWITCH	EACH	1	3,240.00	3,240.00
70	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	1,591.64	12,733.12
71	CONSTRUCTION LAYOUT	L SUM	1	8,496.00	8,496.00
72	CAMERA	EACH	1	6,563.99	6,563.99
73	CENTRALIZED SYSTEM FIELD INTEGRATION/SETUP	EACH	1	12,240.00	12,240.00
74	ITEMS ORDERED BY ENGINEER	ALLOWANCE	1	\$40,000.00	40,000.00

□ Page Total

☑ Total Estimated Cost \$520,195.62

Prepared By

LOUIE VENEZIANO

Date

4/30/2024

Signed By


LOUIE VENEZIANO

Date

4/30/2024

RETURN WITH BID

BIDDER'S CERTIFICATION

I/We hereby certify that:

- A. A complete set of bid papers, as intended, has been received, and that I/We will abide by the contents and/or information received and/or contained herein.
- B. I/We have not entered into any collusion or other unethical practices with any person, firm, or employee of the City which would in any way be construed as unethical business practice.
- C. I/We have adopted a written sexual harassment policy which is in accordance with the requirements of Federal, State and local laws, regulations and policies and further certify that I/We are also in compliance with all other equal employment requirements contained in Public Act 87-1257 (effective July 1, 1993) 775 ILCS 5/2-105 (A).
- D. I/We are in compliance with the most current "Prevailing Rate" of wages for laborers, mechanics and other workers as required by the State of Illinois Department of Labor.
- E. I/We operate a drug free environment and drugs are not allowed in the workplace or satellite locations as well as City of Aurora sites in accordance with the Drug Free Workplace Act of January, 1992.
- F. The Bidder is not barred from bidding on the Project, or entering into this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code, or any similar offense of "bid rigging" or "bid rotating" of any state or the United States.
- G. I/We will abide by all other Federal, State and local codes, rules, regulations, ordinances and statutes.

COMPANY NAME H&H ELECTRIC CO.

ADDRESS 2830 COMMERCE STREET

CITY/STATE/ZIP CODE FRANKLIN PARK, ILLINOIS, 60131

NAME OF CORPORATE/COMPANY OFFICIAL LOUIE VENEZIANO
PLEASE TYPE OR PRINT CLEARLY

TITLE PRESIDENT

AUTHORIZED OFFICIAL SIGNATURE *[Signature]*

DATE 4/30/2024

TELEPHONE (708) 453-2222

FAX No. (708) 453-2851

Subscribed and Sworn to
Before me this 30th day
of April 2024

 [Signature]
Notary Public



RETURN WITH BID

STATE OF ILLINOIS)
County of DuPage) ss.

BIDDER'S TAX CERTIFICATION

(BIDDER'S EXECUTING OFFICER), being first duly sworn on oath, deposes and states that all statements made herein are made on behalf of the Bidder, that this despondent is authorized to make them and that the statements contained herein are true and correct.

Bidder deposes, states and certifies that Bidder is not barred from contracting with any unit of local government in the State of Illinois as result of a delinquency in payment of any tax administered by the Illinois Department of Revenue unless Bidder is contesting, in accordance with the procedures established by the appropriate statute, its liability for the tax or the amount of the tax, all as provided for in accordance with 65 ILCS 5/11-42.1-1.

DATED this 30th day of APRIL, 2024.

By [Signature]
(Signature of Bidder's Executing Officer)
LOUIE VENEZIANO
(Print name of Bidder's Executing Officer)
PRESIDENT
(Title)

ATTEST/WITNESS:

By [Signature] LENNY VENEZIANO
Title SECRETARY

Subscribed and sworn to before me this 30th day of April, 2024.

[Signature]
Notary Public

(SEAL)



Local Public Agency City of Aurora	County DuPage	Section Number 23-00361-00-TL
---------------------------------------	------------------	----------------------------------

WE, H&H Electric Company as PRINCIPAL, and
The Ohio Casualty Insurance Company as SURETY, are held jointly,

severally and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids, whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LPA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LPA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LPA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

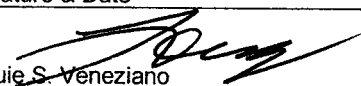
IN THE EVENT the LPA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LPA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this 29th of April, 2024
Day Month and Year

Principal

Company Name
H&H Electric Company

Company Name

Signature & Date
By:  4/29/24
Louie S. Veneziano

Signature & Date
By:

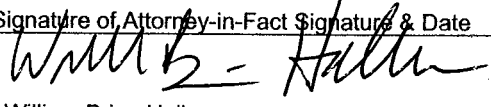
Title
President

Title

(If Principal is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed.)

Surety

Name of Surety
The Ohio Casualty Insurance Company

Signature of Attorney-in-Fact Signature & Date
By:  4/29/24
William Brian Hollamon

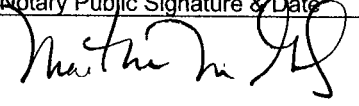
STATE OF IL
COUNTY OF

I Martha M Gonzalez, a Notary Public in and for said county do hereby certify that

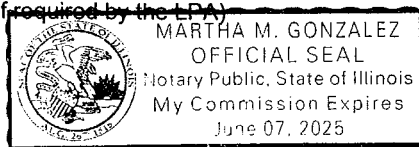
Louie S. Veneziano and William Brian Hollamon
(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 29th day of April, 2024
Day Month and Year

Notary Public Signature & Date
 04/29/2024
Date commission expires 06/07/2025

(SEAL, if required by the LPA)



Local Public Agency

County

Section Number

City of Aurora

DuPage

23-00361-00-TL

ELECTRONIC BID BOND

Electronic bid bond is allowed (box must be checked by LPA if electronic bid bond is allowed)

The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LPA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

Electronic Bid Bond ID Code

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Company/Bidder Name

--

Signature & Date

--

Title

--



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: 8208996-985183

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, William Brian Hollamon

all of the city of Lake Zurich state of IL each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 14th day of November, 2022.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: David M. Carey

David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

State of PENNSYLVANIA ss
County of MONTGOMERY

On this 14th day of November, 2022 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.
Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 29th day of April, 2024.



By: Renee C. Llewellyn

Renee C. Llewellyn, Assistant Secretary

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.



Apprenticeship and Training Program Certification

Local Public Agency	County	Street Name/Road Name	Section Number
City of Aurora	DuPage	McCoy Dr/Cheshire Dr	23-00361-00-TL

All contractors are required to complete the following certification

- For this contract proposal or for all bidding groups in this deliver and install proposal.
- For the following deliver and install bidding groups in this material proposal.

Illinois Department of Transportation policy, adopted in accordance with the provisions of the Illinois Highway Code, requires this contract to be awarded to the lowest responsive and responsible bidder. The award decision is subject to approval by the Department. In addition to all other responsibility factors, this contract or deliver and install proposal requires all bidders and all bidder's subcontractors to disclose participation in apprenticeship or training programs that are (1) approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training, and (2) applicable to the work of the above indicated proposals or groups. Therefore, all bidders are required to complete the following certification:

1. Except as provided in paragraph 4 below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.
2. The undersigned bidder further certifies, for work to be performed by subcontract, that each of its subcontractors either (A) is, at the time of such bid, participating in an approved, applicable apprenticeship or training program; or (B) will, prior to commencement of performance of work pursuant to this contract, establish participation in an approved apprenticeship or training program applicable to the work of the subcontract.
3. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. Types of work or craft that will be subcontracted shall be included and listed as subcontract work. The list shall also indicate any type of work or craft job category for which there is no applicable apprenticeship or training program available.

I.B.E.W. LOCAL #9 MIDDLE STATES CONTRACTORS ASSOCIATION, HILLSIDE, ILLINOIS 60192

4. Except for any work identified above, if any bidder or subcontractor shall perform all or part of the work of the contract or deliver and install proposal solely by individual owners, partners or members and not by employees to whom the payment of prevailing rates of wages would be required, check the following box, and identify the owner/operator workforces and positions of ownership.

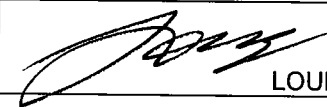
N/A

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed. The Department at any time before or afterward may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its subcontractors. In order to fulfill the participation requirement, it shall not be necessary that any applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract or deliver and install proposal.

Bidder

Title

Address

Signature & Date


City

State

Zip Code



Affidavit of Illinois Business Office

Local Public Agency City of Aurora	County DuPage	Street Name/Road Name McCoy Dr/Cheshire Dr	Section Number 23-00361-00-TL
---------------------------------------	------------------	---	----------------------------------

I, LOUIE VENEZIANO of FRANKLIN PARK, ILLINOIS,
Name of Affiant City of Affiant State of Affiant

being first duly sworn upon oath, state as follows:

1. That I am the PRESIDENT of H&H ELECTRIC CO.
Officer or Position Bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under the proposal described above, H&H ELECTRIC CO., will maintain a business office in the
Bidder
 State of Illinois, which will be located in COOK County, Illinois.
County
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

Signature & Date

	4/30/2024
--	-----------

Print Name of Affiant

LOUIE VENEZIANO

Notary Public

State of IL
 County COOK

Signed (or subscribed or attested) before me on 04/30/2024 by
(date)

Louie Veneziano, authorized agent(s) of
(name/s of person/s)

H+H Electric Co.
Bidder



(SEAL)

Notary Public Signature & Date

	04/30/2024
--	------------

My commission expires 06/07/2025



Affidavit of Availability

For the Letting of



Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces						
Highway, R.R., Waterway Struc.						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me
 this ____ day of _____, _____

(Signature of Notary Public)

My commission expires _____

(Notary Seal)

Add pages for additional contracts



Affidavit of Availability

For the Letting of

Bureau of Construction
 2300 South Dirksen Parkway/Room 322
 Springfield, IL 62764

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Total Value of All Work						

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Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	2	3	4	Awards Pending	1
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
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Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me
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My commission expires _____

(Notary Seal)

Add pages for additional contracts



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For the Letting of

Bureau of Construction
2300 South Dirksen Parkway/Room 322
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Title

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Date

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Address

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(Notary Seal)

Add pages for additional contracts



Illinois Department of Transportation

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For the Letting of

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Officer or Director

Title

Signature

Date

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Address

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State

Zip Code

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Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces						
Highway, R.R., Waterway Struc.						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me
 this ____ day of _____, _____

 (Signature of Notary Public)

My commission expires _____

(Notary Seal)



**Illinois Department
of Transportation**

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

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	(C-1344)	(C-1542)	(C-1545)	(C-1546)	Awards Pending	
Contract Number	SECTION 09-00183-00-FP	I.D.O.T. 61G69	I.D.O.T. 62M62	I.D.O.T. 62M61		
Contract With	CAPITOL CEMENT COMPANY, INC.	I.D.O.T.	I.D.O.T.	I.D.O.T.		
Estimated Completion Date	12/31/26	06/30/24	06/30/24	06/30/24		
Total Contract Price	665,268.29	2,834,335.16	658,430.18	926,282.69		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		60,000.00	14,832.90	25,214.87		100,047.77
Uncompleted Dollar Value if Firm is the Subcontractor	320,359.71					320,359.71
Total Value of All Work						420,407.48

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	320,359.71	40,750.00	-14,805.90	4,459.87	0.00	350,763.68
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	320,359.71	40,750.00	-14,805.90	4,459.87	0.00	350,763.68

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Part III. Work Subcontracted to Others

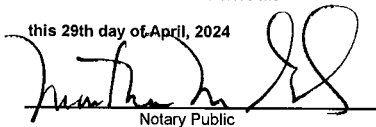
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1344)	(C-1542)	(C-1545)	(C-1546)	Awards Pending
Subcontractor	HAMPTON, LENZINI, & RENWICK, INC.	INTEGRITY ENVIRONMENTAL SERVICES, INC.	ENVIRONMENTAL OPERATIONS, INC.	INTEGRITY ENVIRONMENTAL SERVICES, INC.	
Type of Work	OPTIMIZATION AND TRAFFIC SIGNAL TIMINGS	SOIL TESTING	SOIL TESTING	SOIL TESTING	
Subcontract Price	400.00	28,080.00	15,465.00	15,220.00	
Amount Uncompleted	0.00	0.00	0.00	880.00	
Subcontractor		ELITE FIBER OPTICS	ITERIS, INC.	ITERIS, INC.	
Type of Work		FIBER TERMINATIONS	RE-OPTIMIZATION & OPTIMIZATION	OPTIMIZATION	
Subcontract Price		21,250.00	26,500.00	26,500.00	
Amount Uncompleted		19,250.00	23,387.50	19,875.00	
Subcontractor		KIMLEY-HORN	MCGINTY BROS., INC.		
Type of Work		OPTIMIZATION	LANDSCAPING		
Subcontract Price		297,600.00	22,125.60		
Amount Uncompleted		0.00	6,251.30		
Subcontractor		L.C.D.O.T.			
Type of Work		ADAPTIVE CONTROL SYSTEM			
Subcontract Price		349,515.45			
Amount Uncompleted		0.00			
Subcontractor		ITERIS, INC.			
Type of Work		TIMING AND VALIDATION STUDY			
Subcontract Price		18,000.00			
Amount Uncompleted		0.00			
Subcontractor		QUIGG ENGINEERING			
Type of Work		CONSTRUCTION LAYOUT			
Subcontract Price		10,672.00			
Amount Uncompleted		0.00			
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	19,250.00	29,638.80	20,755.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

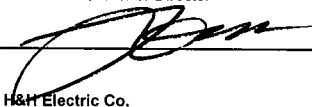
this 29th day of April, 2024


Notary Public

My commission expires: 06/07/25

(Notary Seal)



Type or Print Name Louie Veneziano President
 Officer or Director Title
 Signed 
 Company H&H Electric Co.
 Address 2830 Commerce Street
Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24

(Letting date)

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Part I. Work Under Contract

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	(C-1567)	(C-1575)	(C-1618)	(C-1622)	Awards Pending
Contract Number	2028-18250R	I.D.O.T. 61G91	I.D.O.T. 62C25	CONTRACT 2144-08042	
Contract With	R.W. DUNTEMAN CO.	I.D.O.T.	K-FIVE CONSTRUCTION CORP.	R.W. DUNTEMAN CO.	
Estimated Completion Date	09/30/26	06/30/24	06/30/24	06/30/24	
Total Contract Price	2,636,094.77	614,384.53	2,103,585.64	713,256.53	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		10,776.65			110,824.42
Uncompleted Dollar Value if Firm is the Subcontractor	1,927,449.26		608,203.01	81,010.04	2,937,022.02
Total Value of All Work					3,047,846.44

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	1,915,479.26	5,442.12	603,253.01	60,235.64	0.00	2,935,173.71
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
Totals	1,915,479.26	5,442.12	603,253.01	60,235.64	0.00	2,935,173.71

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Part III. Work Subcontracted to Others

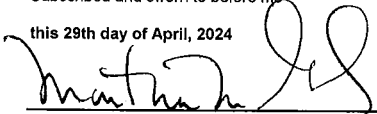
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1567)	(C-1575)	(C-1618)	(C-1622)	Awards Pending
Subcontractor	TRAFFIC CONTROL CORPORATION	R.W. DUNTEMAN CO.	ITERIS, INC.	MYS INCORPORATED	
Type of Work	MODIFY CONTROLLER	CONCRETE AND EARTH	RE-OPTIMIZE	EARTH EXCAVATION, CONCRETE	
Subcontract Price	995.00	61,145.55	4,950.00	59,193.00	
Amount Uncompleted	995.00	5,334.53	4,950.00	0.00	
Subcontractor	ITERIS, INC.	CONIN, INC.		MCGINTY BROS., INC.	
Type of Work	OPTIMIZE AND TEMPORARY TIMINGS	LANDSCAPING		LANDSCAPING	
Subcontract Price	10,975.00	8,392.44		21,204.40	
Amount Uncompleted	10,975.00	0.00		15,804.40	
Subcontractor		INTEGRITY ENVIRONMENTAL SERVICES, INC.		INTEGRITY ENVIRONMENTAL SERVICES, INC.	
Type of Work		SOIL TESTING		SOIL DISPOSAL ANALYSIS	
Subcontract Price		11,740.00		4,220.00	
Amount Uncompleted		0.00		4,220.00	
Subcontractor		PRECISION PAVEMENT MARKING		HAMPTON, LENZINI & RENWICK, INC.	
Type of Work		PAVEMENT MARKING		TIMING	
Subcontract Price		196,481.78		750.00	
Amount Uncompleted		0.00		750.00	
Subcontractor		MOBOTREX, INC.		MAINTENANCE COATINGS	
Type of Work		MODIFY CONTROLLERS		MARKING FOR PAVEMENT	
Subcontract Price		6,122.00		6,765.93	
Amount Uncompleted		0.00		0.00	
Subcontractor		QUIGG ENGINEERING			
Type of Work		LAYOUT			
Subcontract Price		3,970.00			
Amount Uncompleted		0.00			
Subcontractor		ITERIS, INC.			
Type of Work		REOPTIMIZE			
Subcontract Price		1,650.00			
Amount Uncompleted		0.00			
Total Uncompleted	11,970.00	5,334.53	4,950.00	20,774.40	0.00

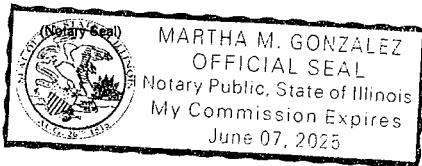
I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024


 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of **05/01/24**
(Letting date)

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	(C-1623)	(C-1624)	(C-1628)	(C-1643)	Awards Pending
Contract Number	CONTRACT 2115-10272	I.D.O.T. 62M92	SECTION 21-00268-24-TL	I.D.O.T. 61H14	
Contract With	ARROW ROAD CONSTRUCTION COMPANY	I.D.O.T.	L.C.D.O.T.	PLOTE CONSTRUCTION, INC.	
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24	
Total Contract Price	655,963.80	2,204,582.05	526,904.08	1,824,695.32	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		10,880.59	85,322.39		207,027.40
Uncompleted Dollar Value if Firm is the Subcontractor	1,348.00			647,441.30	3,585,811.32
Total Value of All Work					3,792,838.72

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	-8,652.00	10,880.59	85,322.39	642,041.30	0.00	3,664,765.99
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	-8,652.00	10,880.59	85,322.39	642,041.30	0.00	3,664,765.99

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1623)	(C-1624)	(C-1628)	(C-1643)	Awards Pending
Subcontractor	COMED	DEL TORO LANDSCAPING		INTEGRITY ENVIRONMENTAL SERVICES, INC.	
Type of Work	ELECTRIC SERVICE CONNECTION	LANDSCAPING		SOIL DISPOSAL, ETC.	
Subcontract Price	10,000.00	77,724.67		16,300.00	
Amount Uncompleted	10,000.00	0.00		0.00	
Subcontractor		INTEGRITY ENVIRONMENTAL SERVICES, INC.		ELITE FIBER OPTIC	
Type of Work		SOIL DISPOSAL, ETC.		FIBER	
Subcontract Price		34,750.00		14,565.00	
Amount Uncompleted		0.00		0.00	
Subcontractor		LA GRANGE CRANE SERVICE		TRAFFIC CONTROL CORPORATION	
Type of Work		TOWER REMOVALS		MODIFY EXISTING CABINET	
Subcontract Price		21,748.55		3,900.00	
Amount Uncompleted		0.00		3,900.00	
Subcontractor		MACKIE CONSULTANTS		ITERIS, INC.	
Type of Work		LAYOUT		OPTIMIZATION	
Subcontract Price		17,900.00		1,500.00	
Amount Uncompleted		0.00		1,500.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	10,000.00	0.00	0.00	5,400.00	0.00

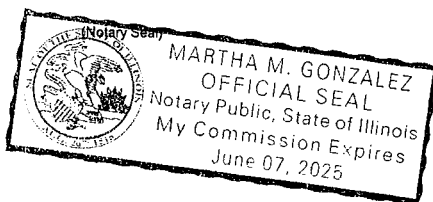
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this 29th day of April, 2024

[Signature]
 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

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	(C-1659)	(C-1660)	(C-1661)	(C-1669)	Awards Pending
Contract Number	Proposal 22-6070-008	SECTION 14-00288-01 PV	I.D.O.T. 62M59	I.D.O.T. 62P45	
Contract With	VILLAGE OF OSWEGO	MARTAM CONSTRUCTION, INC.	MYS INCORPORATED	JUDLAU CONTRACTING, INC.	
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24	
Total Contract Price	1,236,557.44	372,299.29	419,487.35	1,188,379.31	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	9,511.38				216,538.78
Uncompleted Dollar Value if Firm is the Subcontractor		5,485.42	2,031.99	398,774.38	3,992,103.11
Total Value of All Work					4,208,641.89

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	(C-1659)	(C-1660)	(C-1661)	(C-1669)	Awards Pending	Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	9,511.38	5,485.42	-218.01	398,774.38	0.00	4,078,319.16
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	9,511.38	5,485.42	-218.01	398,774.38	0.00	4,078,319.16

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1659)	(C-1660)	(C-1661)	(C-1669)	Awards Pending
Subcontractor	MYS INCORPORATED		ITERIS, INC.		
Type of Work	CONCRETE		OPTIMIZE AND TIMINGS		
Subcontract Price	76,164.39		2,250.00		
Amount Uncompleted	0.00		2,250.00		
Subcontractor	MCGINTY BROS., INC.				
Type of Work	LANDSCAPING				
Subcontract Price	14,723.50				
Amount Uncompleted	0.00				
Subcontractor	INTEGRITY ENVIRONMENTAL SERVICES, INC.				
Type of Work	SOIL TESTING				
Subcontract Price	10,420.00				
Amount Uncompleted	0.00				
Subcontractor	PRECISION PAVEMENT MARKINGS				
Type of Work	PAVEMENT MARKINGS				
Subcontract Price	10,997.66				
Amount Uncompleted	0.00				
Subcontractor	LPS PAVEMENT COMPANY				
Type of Work	BRICK PAVERS				
Subcontract Price	48,935.00				
Amount Uncompleted	0.00				
Subcontractor	MAKIE CONSULTANTS				
Type of Work	LAYOUT				
Subcontract Price	13,000.00				
Amount Uncompleted	0.00				
Subcontractor	HAMPTON, LENZINI & RENWICK, INC.				
Type of Work	OPTIMIZATION				
Subcontract Price	5,500.00				
Amount Uncompleted	0.00				
Total Uncompleted	0.00	0.00	2,250.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

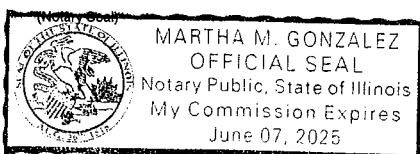
Martha M. Gonzalez
 Notary Public

My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.
 Address 2830 Commerce Street
Franklin Park, Illinois 60131





Instructions: Complete this form by either typing or using black ink.
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Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	(C-1673)	(C-1675)	(C-1704)		Awards Pending
Contract Number	I.D.O.T. 61H47	I.D.O.T. 66L58	I.D.O.T. 66M39		
Contract With	BERGER EXCAVATING	D CONSTRUCTION	I.D.O.T.		
Estimated Completion Date	06/30/24	06/30/24	06/30/24		
Total Contract Price	41,772.26	1,181,427.91	472,018.66		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor			3,550.46		220,089.24
Uncompleted Dollar Value if Firm is the Subcontractor	518.11	7,871.62			4,000,492.84
Total Value of All Work					4,220,582.08

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	-9,961.89	7,221.62	3,550.46	0.00	0.00	4,079,129.35
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	-9,961.89	7,221.62	3,550.46	0.00	0.00	4,079,129.35

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

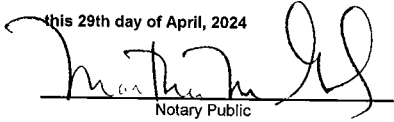
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1673)	(C-1675)	(C-1704)	0	Awards Pending
Subcontractor	COMED	ITERIS, INC.			
Type of Work	ELECTRIC SERVICE	TIMING			
Subcontract Price	6,665.00	650.00			
Amount Uncompleted	6,665.00	650.00			
Subcontractor	MOBOTREX, INC.				
Type of Work	MODIFY CONTROLLER & CABINET				
Subcontract Price	615.00				
Amount Uncompleted	615.00				
Subcontractor	ITERIS, INC.				
Type of Work	OPTIMIZE & TIMING				
Subcontract Price	3,900.00				
Amount Uncompleted	3,200.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	10,480.00	650.00	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024


Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
 2300 South Dirksen Parkway/Room 322
 Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
 (Letting date)

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Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	(C-1716)	(C-1717)	(C-1718)	(C-1724)	Awards Pending
Contract Number	BID 22-058	SECTION 19-00149-00 PW	I.D.O.T. 61J02	N/A	
Contract With	CITY OF ELGIN	P.T. FERRO CONSTRUCTION	LINDAHL BROS.	CITY OF DARIEN	
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24	
Total Contract Price	255,542.70	485,523.53	1,091,962.64	264,774.98	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	14,906.31			645.00	235,640.55
Uncompleted Dollar Value if Firm is the Subcontractor		49,449.39	40,221.00		4,090,163.23
Total Value of All Work					4,325,803.78

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

	(C-1716)	(C-1717)	(C-1718)	(C-1724)	Awards Pending	Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	14,906.31	49,449.39	36,271.00	645.00	0.00	4,180,401.05
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	14,906.31	49,449.39	36,271.00	645.00	0.00	4,180,401.05

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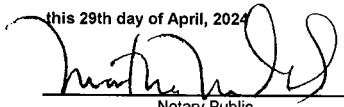
Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1716)	(C-1717)	(C-1718)	(C-1724)	Awards Pending
Subcontractor			ITERIS, INC.		
Type of Work			RE-OPTIMIZATION AND TIMINGS		
Subcontract Price			3,950.00		
Amount Uncompleted			3,950.00		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
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Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	3,950.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

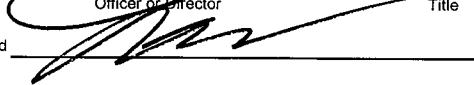
Subscribed and sworn to before me

this 29th day of April, 2024

 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

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Part I. Work Under Contract

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	(C-1727)	(C-1728)	(C-1729)	(C-1732)	Awards Pending	
Contract Number	I.D.O.T. 61H96	I.D.O.T. 62F75	I.D.O.T. 62T54	I.D.O.T. 62R80		
Contract With	I.D.O.T.	D CONSTRUCTION	I.D.O.T.	ARROW ROAD CONSTRUCTION COMPANY		
Estimated Completion Date	06/13/25	06/30/24	10/11/24	06/30/24		
Total Contract Price	7,756,331.84	119,069.51	3,455,957.35	144,056.14		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	5,980,987.37		1,649,203.27			7,865,831.19
Uncompleted Dollar Value if Firm is the Subcontractor		7,525.00		1,114.86		4,098,803.09
Total Value of All Work						11,964,634.28

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	5,020,456.79	7,525.00	642,125.07	1,114.86	0.00	9,851,622.77
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	5,020,456.79	7,525.00	642,125.07	1,114.86	0.00	9,851,622.77

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1727)	(C-1728)	(C-1729)	(C-1732)	Awards Pending
Subcontractor	BROWNFIELD		MCGINTY BROS.	HAMPTON, LENZINI & RENWICK, INC.	
Type of Work	SOIL TESTING		LANDSCAPING	REOPTIMIZE	
Subcontract Price	39,700.00		2,850.00	3,300.00	
Amount Uncompleted	39,700.00		0.00	0.00	
Subcontractor	ELITE FIBER OPTIC		D&R ENVIRONMENTAL		
Type of Work	FIBER OPTIC		SOIL TESTING		
Subcontract Price	892,480.58		26,050.00		
Amount Uncompleted	892,480.58		0.00		
Subcontractor	TRAFFIC CONTROL CORPORATION		TRAFFIC CONTROL CORPORATION		
Type of Work	UPGRADE CONTROLLER		CENTRACS & UPGRADE CONTROLLER		
Subcontract Price	27,375.00		209,275.00		
Amount Uncompleted	27,375.00		209,275.00		
Subcontractor	ITERIS, INC.		ELITE FIBER OPTICS		
Type of Work	REOPTIMIZE		FIBER		
Subcontract Price	975.00		760,309.20		
Amount Uncompleted	975.00		760,309.20		
Subcontractor			MOBOTREX, INC.		
Type of Work			TACTICS		
Subcontract Price			12,144.00		
Amount Uncompleted			12,144.00		
Subcontractor			ITERIS, INC.		
Type of Work			OPTIMIZE		
Subcontract Price			25,350.00		
Amount Uncompleted			25,350.00		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	960,530.58	0.00	1,007,078.20	0.00	0.00

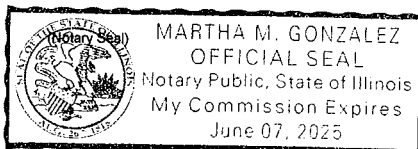
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this 29th day of April, 2024

[Signature]
 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.
 Address 2830 Commerce Street
Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

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	(C-1736)	(C-1737)	(C-1738)	(C-1754)	Awards Pending	
Contract Number	I.D.O.T. 62N80	I.D.O.T. 62R54	I.D.O.T. 62R17	SECTION 23-PVMT-20-GM		
Contract With	ARROW ROAD CONSTRUCTION COMPANY	ARROW ROAD CONSTRUCTION COMPANY	ARROW ROAD CONSTRUCTION COMPANY	R.W. DUNTEMAN CO.		
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24		
Total Contract Price	479,232.13	94,928.55	207,964.08	70,486.76		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						7,865,831.19
Uncompleted Dollar Value if Firm is the Subcontractor	10,389.05	1,418.00	8,457.00	350.00		4,119,417.14
Total Value of All Work						11,985,248.33

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	-6,440.95	1,418.00	8,457.00	350.00	0.00	9,855,406.82
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
Totals	-6,440.95	1,418.00	8,457.00	350.00	0.00	9,855,406.82

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1736)	(C-1737)	(C-1738)	(C-1754)	Awards Pending
Subcontractor	BP&T PAINTING				
Type of Work	PAINTING				
Subcontract Price	50,220.00				
Amount Uncompleted	14,830.00				
Subcontractor	GEWALT HAMILTON &				
Type of Work	RE-OPTIMIZE				
Subcontract Price	2,000.00				
Amount Uncompleted	2,000.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
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Subcontract Price					
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Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	16,830.00	0.00	0.00	0.00	0.00

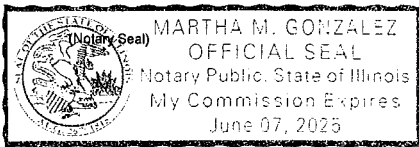
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(Signature)
 Notary Public

My commission expires: 06/07/25



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	(C-1766)	(C-1775)	(C-1776)	(C-1780)	Awards Pending
Contract Number	I.D.O.T. 62U46	SECTION 22-DCITS-01 TL	SECTION 23-TSUPG-07-GM	I.D.O.T. 62T53	
Contract With	I.D.O.T.	D.C.D.O.T.	D.C.D.O.T.	I.D.O.T.	
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24	
Total Contract Price	1,131,952.01	731,047.32	281,985.59	3,706,899.09	
Uncompleted Dollar Value if Firm is the Prime Contractor	581,962.51	594,489.61	57,948.75	2,532,675.43	11,632,907.49
Uncompleted Dollar Value if Firm is the Subcontractor					4,119,417.14
Total Value of All Work					15,752,324.63

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	572,277.04	585,829.61	57,948.75	1,612,718.87	0.00	12,684,181.09
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	572,277.04	585,829.61	57,948.75	1,612,718.87	0.00	12,684,181.09

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Part III. Work Subcontracted to Others

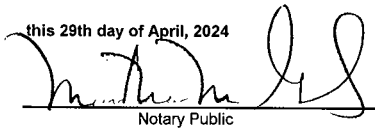
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1766)	(C-1775)	(C-1776)	(C-1780)	Awards Pending
Subcontractor	D&R ENVIRONMENTAL	TRAFFIC CONTROL CORPORATION		MCGINTY BROS.	
Type of Work	SOILS	MODIFY CONTROLLER		LANDSCAPING	
Subcontract Price	40,200.00	3,850.00		16,020.00	
Amount Uncompleted	1.47	3,850.00		16,020.00	
Subcontractor	MOBOTREX, INC.	MOBOTREX, INC.		MOBOTREX, INC.	
Type of Work	MODIFY EXISTING CONTROLLER	MODIFY CONTROLLER		TACTICS LICENSE EXPANSION	
Subcontract Price	7,734.00	250.00		12,144.00	
Amount Uncompleted	7,734.00	250.00		12,144.00	
Subcontractor	SAM SCHWARTZ ENGINEERING	ELITE FIBER OPTICS		ELITE FIBER OPTICS	
Type of Work	RE-OPTIMIZATION	FIBER SPLICING		FIBER	
Subcontract Price	1,950.00	4,560.00		704,367.56	
Amount Uncompleted	1,950.00	4,560.00		704,367.56	
Subcontractor				ITERIS, INC.	
Type of Work				OPTIMIZE	
Subcontract Price				17,625.00	
Amount Uncompleted				17,625.00	
Subcontractor				BUDGETARY ALLOWANCE	
Type of Work				NETWORK DESIGN AND INTEGRATION	
Subcontract Price				160,000.00	
Amount Uncompleted				160,000.00	
Subcontractor				D&R ENVIRONMENTAL	
Type of Work				SOIL TESTING	
Subcontract Price				20,600.00	
Amount Uncompleted				9,800.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	9,685.47	8,660.00	0.00	919,956.56	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024


Notary Public

My commission expires: 06/07/25

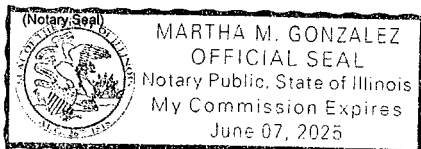
Type or Print Name Louie Veneziano President
Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131





Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

Instructions: Complete this form by either typing or using black ink.
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Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	(C-1782)	(C-1783)	(C-1789)	(C-1790)	Awards Pending
Contract Number	I.D.O.T. 61H85	I.D.O.T. 62G37	I.D.O.T. 62T93	I.D.O.T. 62U08	
Contract With	R.W. DUNTEMAN CO.	K-FIVE CONSTRUCTION CORPORATION	MAT CONSTRUCTION COMPANY, INC.	IROQUOIS PAVING CORP.	
Estimated Completion Date	12/31/24	11/01/24	06/30/24	06/30/24	
Total Contract Price	1,344,575.53	1,600,449.44	14,506.39	212,910.22	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor					11,632,907.49
Uncompleted Dollar Value if Firm is the Subcontractor	935,487.73	998,115.43	625.00	102,448.43	6,156,093.73
Total Value of All Work					17,789,001.22

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	924,087.73	988,465.43	625.00	96,748.43	0.00	14,694,107.68
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	924,087.73	988,465.43	625.00	96,748.43	0.00	14,694,107.68

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center

Part III. Work Subcontracted to Others

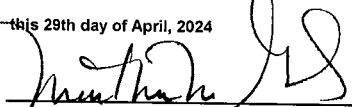
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1782)	(C-1783)	(C-1789)	(C-1790)	Awards Pending
Subcontractor	COMED	ITERIS, INC.		ITERIS, INC.	
Type of Work	ELECTRIC SERVICE	RE-OPTIMIZATION AND TIMING		RE-OPTIMIZATION AND TRAFFIC TIMING	
Subcontract Price	5,000.00	9,650.00		5,700.00	
Amount Uncompleted	5,000.00	9,650.00		5,700.00	
Subcontractor	TRAFFIC CONTROL CORPORATION				
Type of Work	MODIFY CONTROLLER				
Subcontract Price	2,000.00				
Amount Uncompleted	2,000.00				
Subcontractor	ELITE FIBER OPTICS				
Type of Work	FIBER				
Subcontract Price	3,250.00				
Amount Uncompleted	3,250.00				
Subcontractor	ITERIS, INC.				
Type of Work	RE-OPTIMIZE				
Subcontract Price	1,150.00				
Amount Uncompleted	1,150.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	11,400.00	9,650.00	0.00	5,700.00	0.00

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Subscribed and sworn to before me

this 29th day of April, 2024


Notary Public

My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131





**Illinois Department
of Transportation**

Bureau of Construction
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**Affidavit of Availability
For the Letting of 05/01/24**
(Letting date)

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Part I. Work Under Contract

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	(C-1792)	(C-1794)	(C-1798)	(C-1802)	Awards Pending	
Contract Number	I.D.O.T. 62173	ELGIN BID 22-045	ROMEDEVILLE PROJECT 23-R0273	SECTION 23-00172-00 TL		
Contract With	IROQUOIS PAVING CORP.	CITY OF ELGIN	VILLAGE OF ROMEDEVILLE	KENDALL COUNTY HIGHWAY DEPARTMENT		
Estimated Completion Date	06/30/24	11/30/24	08/30/24	11/22/24		
Total Contract Price	21,816.24	178,198.00	425,351.08	370,827.81		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		132,567.79	254,466.72	307,225.58		12,327,167.58
Uncompleted Dollar Value if Firm is the Subcontractor	344.97					6,156,438.70
Total Value of All Work						18,483,606.28

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	344.97	132,567.79	198,673.22	298,175.58	0.00	15,323,869.24
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	344.97	132,567.79	198,673.22	298,175.58	0.00	15,323,869.24

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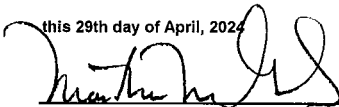
Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

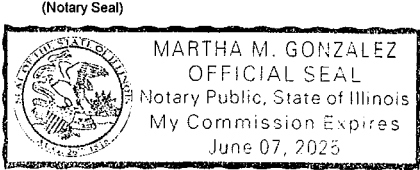
	(C-1792)	(C-1794)	(C-1798)	(C-1802)	Awards Pending
Subcontractor			MYS INCORPORATED	PAVEMENT MARKING CO.	
Type of Work			CONCRETE WORK AND RELATED	PAVEMENT MARKING	
Subcontract Price			30,297.50	4,400.00	
Amount Uncompleted			30,297.50	4,400.00	
Subcontractor			ROADSAFE	ITERIS, INC.	
Type of Work			SIGNING AND PAVENT MARKINGS	SIGNAL TIMING	
Subcontract Price			20,996.00	750.00	
Amount Uncompleted			20,996.00	750.00	
Subcontractor			MCGINTY BROS.	MACKIE CONSULTANTS	
Type of Work			LANDSCAPING	CONSTRUCTION LAYOUT	
Subcontract Price			4,500.00	3,900.00	
Amount Uncompleted			4,500.00	3,900.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	55,793.50	9,050.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates


Subscribed and sworn to before me

this 29th day of April, 2024

 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street
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Illinois Department of Transportation

Bureau of Construction
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 (Letting date)

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	(C-1805)	(C-1806)	(C-1807)	(C-1808)	Awards Pending
Contract Number	I.D.O.T. 61J35	I.D.O.T. 62T57	I.D.O.T. 61J80	I.D.O.T. 61J88	
Contract With	COPENAVER	D CONSTRUCTION	K-FIVE CONSTRUCTION CORP.	PLOTE CONSTRUCTION, INC.	
Estimated Completion Date	06/30/24	06/30/24	06/30/24	05/05/25	
Total Contract Price	562,098.37	423,063.54	353,211.98	430,601.54	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor					12,327,167.58
Uncompleted Dollar Value if Firm is the Subcontractor	561,982.55	423,063.54	353,107.89	430,601.54	7,925,194.22
Total Value of All Work					20,252,361.80

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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					Accumulated Totals
Earthwork					0.00
Portland Cement Concrete Paving					0.00
HMA Plant Mix					0.00
HMA Paving					0.00
Clean & Seal Cracks/Joints					0.00
Aggregate Bases & Surfaces					0.00
Highway, R.R. and Waterway Structures					0.00
Drainage					0.00
Electrical	555,532.55	418,063.54	346,022.89	428,301.54	0.00
Cover and Seal Coats					0.00
Concrete Construction					0.00
Landscaping					0.00
Fencing					0.00
Guardrail					0.00
Painting					0.00
Signing					0.00
Cold Milling, Planning & Rotomilling					0.00
Demolition					0.00
Pavement Markings (Paint)					0.00
Other Construction (List)					0.00
					0.00
					0.00
Totals	555,532.55	418,063.54	346,022.89	428,301.54	0.00

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Part III. Work Subcontracted to Others

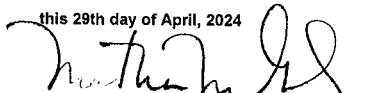
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1805)	(C-1806)	(C-1807)	(C-1808)	Awards Pending
Subcontractor	ITERIS, INC.	SAM SCHWARTZ ENGINEERING	COMED	ITERIS, INC.	
Type of Work	OPTIMIZATION	RE-OPTIMIZE	ELECTRIC SERVICE CONNECTION	RE-OPTIMIZE & TIMING	
Subcontract Price	6,450.00	5,000.00	6,000.00	2,300.00	
Amount Uncompleted	6,450.00	5,000.00	6,000.00	2,300.00	
Subcontractor			TRAFFIC CONTROL CORP.		
Type of Work			MODIFY CONTROLLER		
Subcontract Price			385.00		
Amount Uncompleted			385.00		
Subcontractor			ITERIS, INC.		
Type of Work			TEMPORARY TIMING		
Subcontract Price			700.00		
Amount Uncompleted			700.00		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	6,450.00	5,000.00	7,085.00	2,300.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates


Subscribed and sworn to before me

this 29th day of April, 2024


 Notary Public

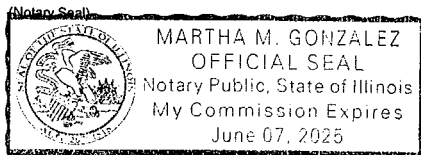
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Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street
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Bureau of Construction
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Contract Number	(C-1809) I.D.O.T. 62T74	(C-1810) I.D.O.T. 62R83	(C-1811) I.D.O.T. 61J77	(C-1812) I.D.O.T. 61J89	Awards Pending	
Contract With	BUILDERS PAVING, LLC	I.D.O.T.	BUILDERS PAVING, LLC	LIMA CONTRACTORS		
Estimated Completion Date	06/30/24	07/31/24	07/31/24	10/15/24		
Total Contract Price	112,526.57	1,346,686.27	4,096.00	2,300.00		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		1,082,184.73				13,409,352.31
Uncompleted Dollar Value if Firm is the Subcontractor	112,526.57		4,096.00	2,300.00		8,044,116.79
Total Value of All Work						21,453,469.10

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	110,876.57	995,695.43	4,096.00	2,300.00	0.00	18,184,757.76
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	110,876.57	995,695.43	4,096.00	2,300.00	0.00	18,184,757.76

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Part III. Work Subcontracted to Others

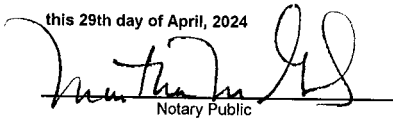
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	(C-1809)	(C-1810)	(C-1811)	(C-1812)	Awards Pending
Subcontractor	ITERIS, INC.	SRN TESTING			
Type of Work	RE-OPTIMIZE	SOIL WORK			
Subcontract Price	1,650.00	8,864.30			
Amount Uncompleted	1,650.00	8,864.30			
Subcontractor		ELITE FIBER OPTICS			
Type of Work		FIBER			
Subcontract Price		49,675.00			
Amount Uncompleted		49,675.00			
Subcontractor		ITERIS, INC.			
Type of Work		RE-OPTIMIZE / OPTIMIZE			
Subcontract Price		27,950.00			
Amount Uncompleted		27,950.00			
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	1,650.00	86,489.30	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

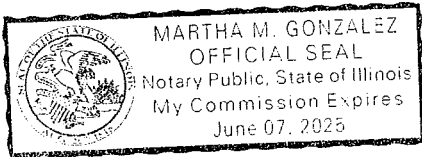
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this 29th day of April, 2024



 Notary Public

My commission expires: 06/07/25

(Notary Seal)



Type or Print Name Louie Veneziano President Title
 Officer or Director

Signed 

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Illinois Department of Transportation

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	(C-1813)	(C-1814)	(C-1815)	(C-1816)	Awards Pending	
Contract Number	JOLIET 2786-1223	OLYMPIA FIELDS	I.D.O.T. 61J85	JOLIET 2792-1223		
Contract With	P.T. FERRO	D CONSTRUCTION	K-FIVE CONSTRUCTION CORP.	P.T. FERRO		
Estimated Completion Date	06/07/24	08/31/24	06/15/24	06/15/24		
Total Contract Price	74,925.00	3,840.00	19,297.60	8,100.00		
Uncompleted Dollar Value if Firm is the Prime Contractor						Accumulated Totals
Uncompleted Dollar Value if Firm is the Subcontractor	74,925.00	3,840.00	19,297.60	8,100.00		13,409,352.31
						8,150,279.39
						Total Value of All Work
						21,559,631.70

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	74,925.00	3,840.00	19,297.60	8,100.00	0.00	18,290,920.36
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	74,925.00	3,840.00	19,297.60	8,100.00	0.00	18,290,920.36

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Part III. Work Subcontracted to Others

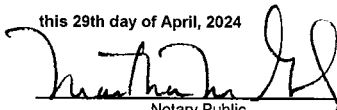
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1813)	(C-1814)	(C-1815)	(C-1816)	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
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Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

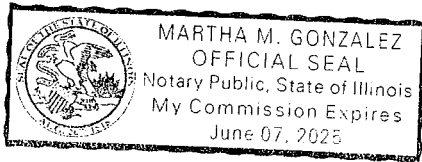
this 29th day of April, 2024



 Notary Public

My commission expires: 06/07/25

(Notary Seal)



Type or Print Name Louie Veneziano President Title

Officer or Director

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131



**Illinois Department
of Transportation**

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

Instructions: Complete this form by either typing or using black ink.
"Authorization to Bid" will not be issued unless both sides of this form are
completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	(C-1817)	(C-1818)	(C-1819)	(C-1820)	Awards Pending	
Contract Number	I.D.O.T. 61K09	I.D.O.T. 61K02	I.D.O.T. 62T87	I.D.O.T. 61J73		
Contract With	BUILDERS PAVING LLC	K-FIVE CONSTRUCTION CORP.	K-FIVE CONSTRUCTION CORP.	BUILDERS PAVING LLC		
Estimated Completion Date	06/15/24	08/31/24	08/31/24	11/15/24		
Total Contract Price	3,228.00	15,739.68	70,806.31	168,132.02		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						13,409,352.31
Uncompleted Dollar Value if Firm is the Subcontractor	3,228.00	15,739.68	70,806.31	168,132.02		8,408,185.40
					Total Value of All Work	21,817,537.71

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	3,228.00	15,739.68	70,806.31	168,132.02	0.00	18,548,826.37
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	3,228.00	15,739.68	70,806.31	168,132.02	0.00	18,548,826.37

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1817)	(C-1818)	(C-1819)	(C-1820)	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
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Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

[Signature]

 Notary Public

My commission expires: 06/07/25

Type or Print Name Louie Veneziano President

 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131





Illinois Department of Transportation

Bureau of Construction
 2300 South Dirksen Parkway/Room 322
 Springfield, Illinois 62764

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 For the Letting of 05/01/24
 (Letting date)

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Part I. Work Under Contract

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	(C-1821)	(C-1822)	(C-1823)	(C-1824)	Awards Pending	
Contract Number	I.D.O.T. 62T58	24-1-3 Traffic Signal UPS Battery Backup Systems	I.D.O.T. 61J81	REL #23-R0395		
Contract With	IROQUOIS PAVING CORP.	VILLAGE OF ADDISON	IROQUOIS PAVING CORP.	LINDAHL BROS.		
Estimated Completion Date	11/15/24	N/A	06/15/24	06/30/24		
Total Contract Price	298,723.99	27,747.25	3,307.60	2,598.75		
Uncompleted Dollar Value if Firm is the Prime Contractor		27,747.25				Accumulated Totals
Uncompleted Dollar Value if Firm is the Subcontractor	298,723.99		3,307.60	2,598.75		13,437,099.56
						8,712,815.74
						Total Value of All Work
						22,149,915.30

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	298,723.99	27,747.25	3,307.60	2,598.75	0.00	18,881,203.96
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	298,723.99	27,747.25	3,307.60	2,598.75	0.00	18,881,203.96

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1821)	(C-1822)	(C-1823)	(C-1824)	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
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Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

Martha M. Gonzalez
 Notary Public

My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131

(Notary Seal)





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Part I. Work Under Contract

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	(C-1344)	(C-1542)	(C-1545)	(C-1546)	Awards Pending	
Contract Number	SECTION 09-00183-00-FP	I.D.O.T. 61G69	I.D.O.T. 62M62	I.D.O.T. 62M61		
Contract With	CAPITOL CEMENT COMPANY, INC.	I.D.O.T.	I.D.O.T.	I.D.O.T.		
Estimated Completion Date	12/31/26	06/30/24	06/30/24	06/30/24		
Total Contract Price	665,268.29	2,834,335.16	658,430.18	926,282.69		
Uncompleted Dollar Value if Firm is the Prime Contractor		60,000.00	14,832.90	25,214.87		Accumulated Totals 100,047.77
Uncompleted Dollar Value if Firm is the Subcontractor	320,359.71					320,359.71
Total Value of All Work						420,407.48

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	320,359.71	40,750.00	-14,805.90	4,459.87	0.00	350,763.68
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	320,359.71	40,750.00	-14,805.90	4,459.87	0.00	350,763.68

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Part III. Work Subcontracted to Others

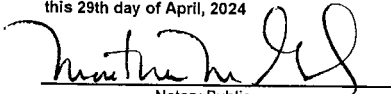
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1344)	(C-1542)	(C-1545)	(C-1546)	Awards Pending
Subcontractor	HAMPTON, LENZINI, & RENWICK, INC.	INTEGRITY ENVIRONMENTAL SERVICES, INC.	ENVIRONMENTAL OPERATIONS, INC.	INTEGRITY ENVIRONMENTAL SERVICES, INC.	
Type of Work	OPTIMIZATION AND TRAFFIC SIGNAL TIMINGS	SOIL TESTING	SOIL TESTING	SOIL TESTING	
Subcontract Price	400.00	28,080.00	15,465.00	15,220.00	
Amount Uncompleted	0.00	0.00	0.00	880.00	
Subcontractor		ELITE FIBER OPTICS	ITERIS, INC.	ITERIS, INC.	
Type of Work		FIBER TERMINATIONS	RE-OPTIMIZATION & OPTIMIZATION	OPTIMIZATION	
Subcontract Price		21,250.00	26,500.00	26,500.00	
Amount Uncompleted		19,250.00	23,387.50	19,875.00	
Subcontractor		KIMLEY-HORN	MCGINTY BROS., INC.		
Type of Work		OPTIMIZATION	LANDSCAPING		
Subcontract Price		297,600.00	22,125.60		
Amount Uncompleted		0.00	6,251.30		
Subcontractor		L.C.D.O.T.			
Type of Work		ADAPTIVE CONTROL SYSTEM			
Subcontract Price		349,515.45			
Amount Uncompleted		0.00			
Subcontractor		ITERIS, INC.			
Type of Work		TIMING AND VALIDATION STUDY			
Subcontract Price		18,000.00			
Amount Uncompleted		0.00			
Subcontractor		QUIGG ENGINEERING			
Type of Work		CONSTRUCTION LAYOUT			
Subcontract Price		10,672.00			
Amount Uncompleted		0.00			
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	19,250.00	29,638.80	20,755.00	0.00

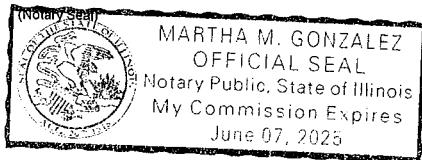
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Subscribed and sworn to before me

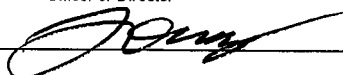
this 29th day of April, 2024


Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
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	(C-1567)	(C-1575)	(C-1618)	(C-1622)	Awards Pending	
Contract Number	2028-18250R	I.D.O.T. 61G91	I.D.O.T. 62C25	CONTRACT 2144-08042		
Contract With	R.W. DUNTEMAN CO.	I.D.O.T.	K-FIVE CONSTRUCTION CORP.	R.W. DUNTEMAN CO.		
Estimated Completion Date	09/30/26	06/30/24	06/30/24	06/30/24		
Total Contract Price	2,636,094.77	614,384.53	2,103,585.64	713,256.53		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		10,776.65				110,824.42
Uncompleted Dollar Value if Firm is the Subcontractor	1,927,449.26		608,203.01	81,010.04		2,937,022.02
					Total Value of All Work	3,047,846.44

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	1,915,479.26	5,442.12	603,253.01	60,235.64	0.00	2,935,173.71
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
Totals	1,915,479.26	5,442.12	603,253.01	60,235.64	0.00	2,935,173.71

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Part III. Work Subcontracted to Others

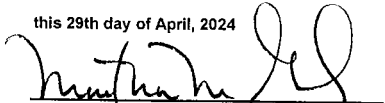
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1567)	(C-1575)	(C-1618)	(C-1622)	Awards Pending
Subcontractor	TRAFFIC CONTROL CORPORATION	R.W. DUNTEMAN CO.	ITERIS, INC.	MYS INCORPORATED	
Type of Work	MODIFY CONTROLLER	CONCRETE AND EARTH	RE-OPTIMIZE	EARTH EXCAVATION, CONCRETE	
Subcontract Price	995.00	61,145.55	4,950.00	59,193.00	
Amount Uncompleted	995.00	5,334.53	4,950.00	0.00	
Subcontractor	ITERIS, INC.	CONIN, INC.		MCGINTY BROS., INC.	
Type of Work	OPTIMIZE AND TEMPORARY TIMINGS	LANDSCAPING		LANDSCAPING	
Subcontract Price	10,975.00	8,392.44		21,204.40	
Amount Uncompleted	10,975.00	0.00		15,804.40	
Subcontractor		INTEGRITY ENVIRONMENTAL SERVICES, INC.		INTEGRITY ENVIRONMENTAL SERVICES, INC.	
Type of Work		SOIL TESTING		SOIL DISPOSAL ANALYSIS	
Subcontract Price		11,740.00		4,220.00	
Amount Uncompleted		0.00		4,220.00	
Subcontractor		PRECISION PAVEMENT MARKING		HAMPTON, LENZINI & RENWICK, INC.	
Type of Work		PAVEMENT MARKING		TIMING	
Subcontract Price		196,481.78		750.00	
Amount Uncompleted		0.00		750.00	
Subcontractor		MOBOTREX, INC.		MAINTENANCE COATINGS	
Type of Work		MODIFY CONTROLLERS		MARKING FOR PAVEMENT	
Subcontract Price		6,122.00		6,765.93	
Amount Uncompleted		0.00		0.00	
Subcontractor		QUIGG ENGINEERING			
Type of Work		LAYOUT			
Subcontract Price		3,970.00			
Amount Uncompleted		0.00			
Subcontractor		ITERIS, INC.			
Type of Work		REOPTIMIZE			
Subcontract Price		1,650.00			
Amount Uncompleted		0.00			
Total Uncompleted	11,970.00	5,334.53	4,950.00	20,774.40	0.00

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Subscribed and sworn to before me

this 29th day of April, 2024


Notary Public

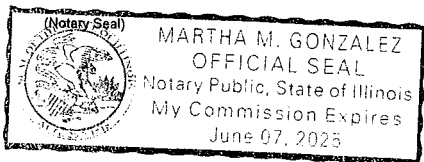
My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
Officer or Director Title

Signed 

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	(C-1623)	(C-1624)	(C-1628)	(C-1643)	Awards Pending	
Contract Number	CONTRACT 2115-10272	I.D.O.T. 62M92	SECTION 21-00268-24-TL	I.D.O.T. 61H14		
Contract With	ARROW ROAD CONSTRUCTION COMPANY	I.D.O.T.	L.C.D.O.T.	PLOTE CONSTRUCTION, INC.		
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24		
Total Contract Price	655,963.80	2,204,582.05	526,904.08	1,824,695.32		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		10,880.59	85,322.39			207,027.40
Uncompleted Dollar Value if Firm is the Subcontractor	1,348.00			647,441.30		3,585,811.32
Total Value of All Work						3,792,838.72

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	-8,652.00	10,880.59	85,322.39	642,041.30	0.00	3,664,765.99
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	-8,652.00	10,880.59	85,322.39	642,041.30	0.00	3,664,765.99

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

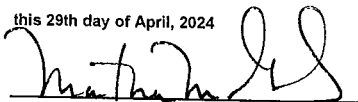
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1623)	(C-1624)	(C-1628)	(C-1643)	Awards Pending
Subcontractor	COMED	DEL TORO LANDSCAPING		INTEGRITY ENVIRONMENTAL SERVICES, INC.	
Type of Work	ELECTRIC SERVICE CONNECTION	LANDSCAPING		SOIL DISPOSAL, ETC.	
Subcontract Price	10,000.00	77,724.67		16,300.00	
Amount Uncompleted	10,000.00	0.00		0.00	
Subcontractor		INTEGRITY ENVIRONMENTAL SERVICES, INC.		ELITE FIBER OPTIC	
Type of Work		SOIL DISPOSAL, ETC.		FIBER	
Subcontract Price		34,750.00		14,565.00	
Amount Uncompleted		0.00		0.00	
Subcontractor		LA GRANGE CRANE SERVICE		TRAFFIC CONTROL CORPORATION	
Type of Work		TOWER REMOVALS		MODIFY EXISTING CABINET	
Subcontract Price		21,748.55		3,900.00	
Amount Uncompleted		0.00		3,900.00	
Subcontractor		MACKIE CONSULTANTS		ITERIS, INC.	
Type of Work		LAYOUT		OPTIMIZATION	
Subcontract Price		17,900.00		1,500.00	
Amount Uncompleted		0.00		1,500.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	10,000.00	0.00	0.00	5,400.00	0.00

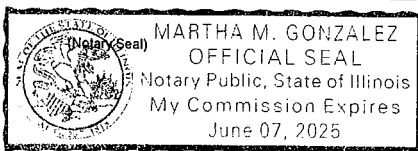
I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

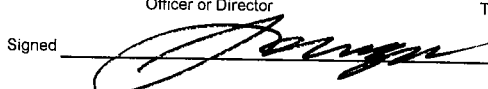
this 29th day of April, 2024


Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24

(Letting date)

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	(C-1659)	(C-1660)	(C-1661)	(C-1669)	Awards Pending
Contract Number	Proposal 22-6070-008	SECTION 14-00288-01 PV	I.D.O.T. 62M59	I.D.O.T. 62P45	
Contract With	VILLAGE OF OSWEGO	MARTAM CONSTRUCTION, INC.	MYS INCORPORATED	JUDLAU CONTRACTING, INC.	
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24	
Total Contract Price	1,236,557.44	372,299.29	419,487.35	1,188,379.31	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	9,511.38				216,538.78
Uncompleted Dollar Value if Firm is the Subcontractor		5,485.42	2,031.99	398,774.38	3,992,103.11
Total Value of All Work					4,208,641.89

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	9,511.38	5,485.42	-218.01	398,774.38	0.00	4,078,319.16
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	9,511.38	5,485.42	-218.01	398,774.38	0.00	4,078,319.16

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1659)	(C-1660)	(C-1661)	(C-1669)	Awards Pending
Subcontractor	MYS INCORPORATED		ITERIS, INC.		
Type of Work	CONCRETE		OPTIMIZE AND TIMINGS		
Subcontract Price	76,164.39		2,250.00		
Amount Uncompleted	0.00		2,250.00		
Subcontractor	MCGINTY BROS., INC.				
Type of Work	LANDSCAPING				
Subcontract Price	14,723.50				
Amount Uncompleted	0.00				
Subcontractor	INTEGRITY ENVIRONMENTAL SERVICES, INC.				
Type of Work	SOIL TESTING				
Subcontract Price	10,420.00				
Amount Uncompleted	0.00				
Subcontractor	PRECISION PAVEMENT MARKINGS				
Type of Work	PAVEMENT MARKINGS				
Subcontract Price	10,997.66				
Amount Uncompleted	0.00				
Subcontractor	LPS PAVEMENT COMPANY				
Type of Work	BRICK PAVERS				
Subcontract Price	48,935.00				
Amount Uncompleted	0.00				
Subcontractor	MAKIE CONSULTANTS				
Type of Work	LAYOUT				
Subcontract Price	13,000.00				
Amount Uncompleted	0.00				
Subcontractor	HAMPTON, LENZINI & RENWICK, INC.				
Type of Work	OPTIMIZATION				
Subcontract Price	5,500.00				
Amount Uncompleted	0.00				
Total Uncompleted	0.00	0.00	2,250.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

Martha M. Gonzalez
 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.
 Address 2830 Commerce Street
Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

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Part I. Work Under Contract

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	(C-1673)	(C-1675)	(C-1704)		Awards Pending
Contract Number	I.D.O.T. 61H47	I.D.O.T. 66L58	I.D.O.T. 66M39		
Contract With	BERGER EXCAVATING	D CONSTRUCTION	I.D.O.T.		
Estimated Completion Date	06/30/24	06/30/24	06/30/24		
Total Contract Price	41,772.26	1,181,427.91	472,018.66		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor			3,550.46		220,089.24
Uncompleted Dollar Value if Firm is the Subcontractor	518.11	7,871.62			4,000,492.84
Total Value of All Work					4,220,582.08

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	-9,961.89	7,221.62	3,550.46	0.00	0.00	4,079,129.35
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	-9,961.89	7,221.62	3,550.46	0.00	0.00	4,079,129.35

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Part III. Work Subcontracted to Others

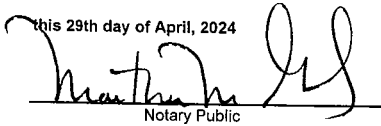
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1673)	(C-1675)	(C-1704)	0	Awards Pending
Subcontractor	COMED	ITERIS, INC.			
Type of Work	ELECTRIC SERVICE	TIMING			
Subcontract Price	6,665.00	650.00			
Amount Uncompleted	6,665.00	650.00			
Subcontractor	MOBOTREX, INC.				
Type of Work	MODIFY CONTROLLER & CABINET				
Subcontract Price	615.00				
Amount Uncompleted	615.00				
Subcontractor	ITERIS, INC.				
Type of Work	OPTIMIZE & TIMING				
Subcontract Price	3,900.00				
Amount Uncompleted	3,200.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	10,480.00	650.00	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024


 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed 

Company W&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

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Part I. Work Under Contract

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	(C-1716)	(C-1717)	(C-1718)	(C-1724)	Awards Pending	
Contract Number	BID 22-058	SECTION 19-00149-00 PW	I.D.O.T. 61J02	N/A		
Contract With	CITY OF ELGIN	P.T. FERRO CONSTRUCTION	LINDAHL BROS.	CITY OF DARIEN		
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24		
Total Contract Price	255,542.70	485,523.53	1,091,962.64	264,774.98		
Uncompleted Dollar Value if Firm is the Prime Contractor	14,906.31			645.00		Accumulated Totals
Uncompleted Dollar Value if Firm is the Subcontractor		49,449.39	40,221.00			235,640.55
						4,090,163.23
						Total Value of All Work
						4,325,803.78

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	14,906.31	49,449.39	36,271.00	645.00	0.00	4,180,401.05
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	14,906.31	49,449.39	36,271.00	645.00	0.00	4,180,401.05

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1716)	(C-1717)	(C-1718)	(C-1724)	Awards Pending
Subcontractor			ITERIS, INC.		
Type of Work			RE-OPTIMIZATION AND TIMINGS		
Subcontract Price			3,950.00		
Amount Uncompleted			3,950.00		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
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Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	3,950.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

[Signature]
 Notary Public

My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131





Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

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	(C-1727)	(C-1728)	(C-1729)	(C-1732)	Awards Pending	
Contract Number	I.D.O.T. 61H96	I.D.O.T. 62F75	I.D.O.T. 62T54	I.D.O.T. 62R80		
Contract With	I.D.O.T.	D CONSTRUCTION	I.D.O.T.	ARROW ROAD CONSTRUCTION COMPANY		
Estimated Completion Date	06/13/25	06/30/24	10/11/24	06/30/24		
Total Contract Price	7,756,331.84	119,069.51	3,455,957.35	144,056.14		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	5,980,987.37		1,649,203.27			7,865,831.19
Uncompleted Dollar Value if Firm is the Subcontractor		7,525.00		1,114.86		4,098,803.09
Total Value of All Work						11,964,634.28

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	5,020,456.79	7,525.00	642,125.07	1,114.86	0.00	9,851,622.77
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	5,020,456.79	7,525.00	642,125.07	1,114.86	0.00	9,851,622.77

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Part III. Work Subcontracted to Others

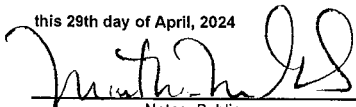
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1727)	(C-1728)	(C-1729)	(C-1732)	Awards Pending
Subcontractor	BROWNFIELD		MCGINTY BROS.	HAMPTON, LENZINI & RENWICK, INC.	
Type of Work	SOIL TESTING		LANDSCAPING	REOPTIMIZE	
Subcontract Price	39,700.00		2,850.00	3,300.00	
Amount Uncompleted	39,700.00		0.00	0.00	
Subcontractor	ELITE FIBER OPTIC		D&R ENVIRONMENTAL		
Type of Work	FIBER OPTIC		SOIL TESTING		
Subcontract Price	892,480.58		26,050.00		
Amount Uncompleted	892,480.58		0.00		
Subcontractor	TRAFFIC CONTROL CORPORATION		TRAFFIC CONTROL CORPORATION		
Type of Work	UPGRADE CONTROLLER		CENTRACS & UPGRADE CONTROLLER		
Subcontract Price	27,375.00		209,275.00		
Amount Uncompleted	27,375.00		209,275.00		
Subcontractor	ITERIS, INC.		ELITE FIBER OPTICS		
Type of Work	REOPTIMIZE		FIBER		
Subcontract Price	975.00		760,309.20		
Amount Uncompleted	975.00		760,309.20		
Subcontractor			MOBOTREX, INC.		
Type of Work			TACTICS		
Subcontract Price			12,144.00		
Amount Uncompleted			12,144.00		
Subcontractor			ITERIS, INC.		
Type of Work			OPTIMIZE		
Subcontract Price			25,350.00		
Amount Uncompleted			25,350.00		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	960,530.58	0.00	1,007,078.20	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024


 Notary Public

My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed 

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Address 2830 Commerce Street

Franklin Park, Illinois 60131





Illinois Department of Transportation

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	(C-1736)	(C-1737)	(C-1738)	(C-1754)	Awards Pending	
Contract Number	I.D.O.T. 62N80	I.D.O.T. 62R54	I.D.O.T. 62R17	SECTION 23-PVMT-20-GM		
Contract With	ARROW ROAD CONSTRUCTION COMPANY	ARROW ROAD CONSTRUCTION COMPANY	ARROW ROAD CONSTRUCTION COMPANY	R.W. DUNTEMAN CO.		
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24		
Total Contract Price	479,232.13	94,928.55	207,964.08	70,486.76		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						7,865,831.19
Uncompleted Dollar Value if Firm is the Subcontractor	10,389.05	1,418.00	8,457.00	350.00		4,119,417.14
Total Value of All Work						11,985,248.33

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	-6,440.95	1,418.00	8,457.00	350.00	0.00	9,855,406.82
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	-6,440.95	1,418.00	8,457.00	350.00	0.00	9,855,406.82

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid". This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1736)	(C-1737)	(C-1738)	(C-1754)	Awards Pending
Subcontractor	BP&T PAINTING				
Type of Work	PAINTING				
Subcontract Price	50,220.00				
Amount Uncompleted	14,830.00				
Subcontractor	GEWALT HAMILTON &				
Type of Work	RE-OPTIMIZE				
Subcontract Price	2,000.00				
Amount Uncompleted	2,000.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	16,830.00	0.00	0.00	0.00	0.00

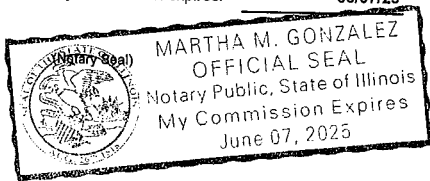
I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

Martha M. Gonzalez
 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.
 Address 2830 Commerce Street
Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

Instructions: Complete this form by either typing or using black ink.
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Part I. Work Under Contract

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	(C-1766)	(C-1775)	(C-1776)	(C-1780)	Awards Pending	
Contract Number	I.D.O.T. 62U46	SECTION 22-DCITS-01 TL	SECTION 23-TSUPG-07-GM	I.D.O.T. 62T53		
Contract With	I.D.O.T.	D.C.D.O.T.	D.C.D.O.T.	I.D.O.T.		
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24		
Total Contract Price	1,131,952.01	731,047.32	281,985.59	3,706,899.09		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	581,962.51	594,489.61	57,948.75	2,532,675.43		11,632,907.49
Uncompleted Dollar Value if Firm is the Subcontractor						4,119,417.14
					Total Value of All Work	15,752,324.63

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	572,277.04	585,829.61	57,948.75	1,612,718.87	0.00	12,684,181.09
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	572,277.04	585,829.61	57,948.75	1,612,718.87	0.00	12,684,181.09

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center

Part III. Work Subcontracted to Others

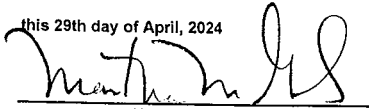
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1766)	(C-1775)	(C-1776)	(C-1780)	Awards Pending
Subcontractor	D&R ENVIRONMENTAL	TRAFFIC CONTROL CORPORATION		MCGINTY BROS.	
Type of Work	SOILS	MODIFY CONTROLLER		LANDSCAPING	
Subcontract Price	40,200.00	3,850.00		16,020.00	
Amount Uncompleted	1.47	3,850.00		16,020.00	
Subcontractor	MOBOTREX, INC.	MOBOTREX, INC.		MOBOTREX, INC.	
Type of Work	MODIFY EXISTING CONTROLLER	MODIFY CONTROLLER		TACTICS LICENSE EXPANSION	
Subcontract Price	7,734.00	250.00		12,144.00	
Amount Uncompleted	7,734.00	250.00		12,144.00	
Subcontractor	SAM SCHWARTZ ENGINEERING	ELITE FIBER OPTICS		ELITE FIBER OPTICS	
Type of Work	RE-OPTIMIZATION	FIBER SPLICING		FIBER	
Subcontract Price	1,950.00	4,560.00		704,367.56	
Amount Uncompleted	1,950.00	4,560.00		704,367.56	
Subcontractor				ITERIS, INC.	
Type of Work				OPTIMIZE	
Subcontract Price				17,625.00	
Amount Uncompleted				17,625.00	
Subcontractor				BUDGETARY ALLOWANCE	
Type of Work				NETWORK DESIGN AND INTEGRATION	
Subcontract Price				160,000.00	
Amount Uncompleted				160,000.00	
Subcontractor				D&R ENVIRONMENTAL	
Type of Work				SOIL TESTING	
Subcontract Price				20,600.00	
Amount Uncompleted				9,800.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	9,685.47	8,660.00	0.00	919,956.56	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024


 Notary Public

My commission expires: 06/07/25

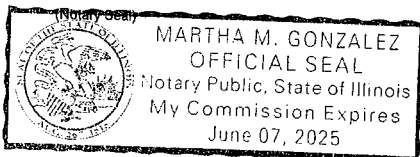
Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131





Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

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Part I. Work Under Contract

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	(C-1782)	(C-1783)	(C-1789)	(C-1790)	Awards Pending
Contract Number	I.D.O.T. 61H85	I.D.O.T. 62G37	I.D.O.T. 62T93	I.D.O.T. 62U08	
Contract With	R.W. DUNTEMAN CO.	K-FIVE CONSTRUCTION CORPORATION	MAT CONSTRUCTION COMPANY, INC.	IROQUOIS PAVING CORP.	
Estimated Completion Date	12/31/24	11/01/24	06/30/24	06/30/24	
Total Contract Price	1,344,575.53	1,600,449.44	14,506.39	212,910.22	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor					11,632,907.49
Uncompleted Dollar Value if Firm is the Subcontractor	935,487.73	998,115.43	625.00	102,448.43	6,156,093.73
Total Value of All Work					17,789,001.22

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	924,087.73	988,465.43	625.00	96,748.43	0.00	14,694,107.68
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	924,087.73	988,465.43	625.00	96,748.43	0.00	14,694,107.68

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1782)	(C-1783)	(C-1789)	(C-1790)	Awards Pending
Subcontractor	COMED	ITERIS, INC.		ITERIS, INC.	
Type of Work	ELECTRIC SERVICE	RE-OPTIMIZATION AND TIMING		RE-OPTIMIZATION AND TRAFFIC TIMING	
Subcontract Price	5,000.00	9,650.00		5,700.00	
Amount Uncompleted	5,000.00	9,650.00		5,700.00	
Subcontractor	TRAFFIC CONTROL CORPORATION				
Type of Work	MODIFY CONTROLLER				
Subcontract Price	2,000.00				
Amount Uncompleted	2,000.00				
Subcontractor	ELITE FIBER OPTICS				
Type of Work	FIBER				
Subcontract Price	3,250.00				
Amount Uncompleted	3,250.00				
Subcontractor	ITERIS, INC.				
Type of Work	RE-OPTIMIZE				
Subcontract Price	1,150.00				
Amount Uncompleted	1,150.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	11,400.00	9,650.00	0.00	5,700.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

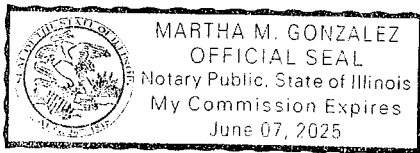
Subscribed and sworn to before me

this 29th day of April, 2024

Martha M. Gonzalez
 Notary Public

My commission expires: 06/07/25

(Notary Seal)



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131



Illinois Department of Transportation

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Part I. Work Under Contract

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	(C-1792)	(C-1794)	(C-1798)	(C-1802)	Awards Pending	
Contract Number	I.D.O.T. 62T73	ELGIN BID 22-045	ROMEDEVILLE PROJECT 23-R0273	SECTION 23-00172-00 TL		
Contract With	IROQUOIS PAVING CORP.	CITY OF ELGIN	VILLAGE OF ROMEDEVILLE	KENDALL COUNTY HIGHWAY DEPARTMENT		
Estimated Completion Date	06/30/24	11/30/24	08/30/24	11/22/24		
Total Contract Price	21,816.24	178,198.00	425,351.08	370,827.81		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		132,567.79	254,466.72	307,225.58		12,327,167.58
Uncompleted Dollar Value if Firm is the Subcontractor	344.97					6,156,438.70
					Total Value of All Work	18,483,606.28

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	344.97	132,567.79	198,673.22	298,175.58	0.00	15,323,869.24
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	344.97	132,567.79	198,673.22	298,175.58	0.00	15,323,869.24

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Part III. Work Subcontracted to Others

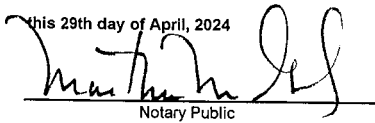
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1792)	(C-1794)	(C-1798)	(C-1802)	Awards Pending
Subcontractor			MYS INCORPORATED	PAVEMENT MARKING CO.	
Type of Work			CONCRETE WORK AND RELATED	PAVEMENT MARKING	
Subcontract Price			30,297.50	4,400.00	
Amount Uncompleted			30,297.50	4,400.00	
Subcontractor			ROADSAFE	ITERIS, INC.	
Type of Work			SIGNING AND PAVENT MARKINGS	SIGNAL TIMING	
Subcontract Price			20,996.00	750.00	
Amount Uncompleted			20,996.00	750.00	
Subcontractor			MCGINTY BROS.	MACKIE CONSULTANTS	
Type of Work			LANDSCAPING	CONSTRUCTION LAYOUT	
Subcontract Price			4,500.00	3,900.00	
Amount Uncompleted			4,500.00	3,900.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	55,793.50	9,050.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024


Notary Public

My commission expires: 06/07/25

Type or Print Name Louie Veneziano President Title
Officer or Director

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street
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	(C-1805)	(C-1806)	(C-1807)	(C-1808)	Awards Pending	
Contract Number	I.D.O.T. 61J35	I.D.O.T. 62T57	I.D.O.T. 61J80	I.D.O.T. 61J88		
Contract With	COPENAVER	D CONSTRUCTION	K-FIVE CONSTRUCTION CORP.	PLOTE CONSTRUCTION, INC.		
Estimated Completion Date	06/30/24	06/30/24	06/30/24	05/05/25		
Total Contract Price	562,098.37	423,063.54	353,211.98	430,601.54		
Uncompleted Dollar Value if Firm is the Prime Contractor						12,327,167.58
Uncompleted Dollar Value if Firm is the Subcontractor	561,982.55	423,063.54	353,107.89	430,601.54		7,925,194.22
					Total Value of All Work	20,252,361.80

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	555,532.55	418,063.54	346,022.89	428,301.54	0.00	17,071,789.76
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	555,532.55	418,063.54	346,022.89	428,301.54	0.00	17,071,789.76

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Part III. Work Subcontracted to Others

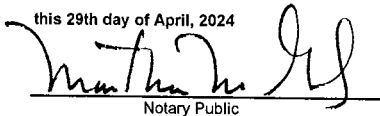
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	(C-1805)	(C-1806)	(C-1807)	(C-1808)	Awards Pending
Subcontractor	ITERIS, INC.	SAM SCHWARTZ ENGINEERING	COMED	ITERIS, INC.	
Type of Work	OPTIMIZATION	RE-OPTIMIZE	ELECTRIC SERVICE CONNECTION	RE-OPTIMIZE & TIMING	
Subcontract Price	6,450.00	5,000.00	6,000.00	2,300.00	
Amount Uncompleted	6,450.00	5,000.00	6,000.00	2,300.00	
Subcontractor			TRAFFIC CONTROL CORP.		
Type of Work			MODIFY CONTROLLER		
Subcontract Price			385.00		
Amount Uncompleted			385.00		
Subcontractor			ITERIS, INC.		
Type of Work			TEMPORARY TIMING		
Subcontract Price			700.00		
Amount Uncompleted			700.00		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	6,450.00	5,000.00	7,085.00	2,300.00	0.00

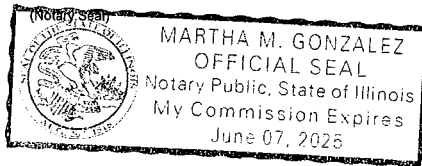
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Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
Officer or Director Title

Signed 

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Address 2830 Commerce Street
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(Letting date)

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completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	(C-1809)	(C-1810)	(C-1811)	(C-1812)	Awards Pending	
Contract Number	I.D.O.T. 62T74	I.D.O.T. 62R83	I.D.O.T. 61J77	I.D.O.T. 61J89		
Contract With	BUILDERS PAVING, LLC	I.D.O.T.	BUILDERS PAVING, LLC	LIMA CONTRACTORS		
Estimated Completion Date	06/30/24	07/31/24	07/31/24	10/15/24		
Total Contract Price	112,526.57	1,346,686.27	4,096.00	2,300.00		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		1,082,184.73				13,409,352.31
Uncompleted Dollar Value if Firm is the Subcontractor	112,526.57		4,096.00	2,300.00		8,044,116.79
						Total Value of All Work
						21,453,469.10

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	110,876.57	995,695.43	4,096.00	2,300.00	0.00	18,184,757.76
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	110,876.57	995,695.43	4,096.00	2,300.00	0.00	18,184,757.76

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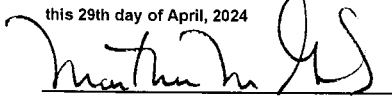
Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1809)	(C-1810)	(C-1811)	(C-1812)	Awards Pending
Subcontractor	ITERIS, INC.	SRN TESTING			
Type of Work	RE-OPTIMIZE	SOIL WORK			
Subcontract Price	1,650.00	8,864.30			
Amount Uncompleted	1,650.00	8,864.30			
Subcontractor		ELITE FIBER OPTICS			
Type of Work		FIBER			
Subcontract Price		49,675.00			
Amount Uncompleted		49,675.00			
Subcontractor		ITERIS, INC.			
Type of Work		RE-OPTIMIZE / OPTIMIZE			
Subcontract Price		27,950.00			
Amount Uncompleted		27,950.00			
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	1,650.00	88,489.30	0.00	0.00	0.00

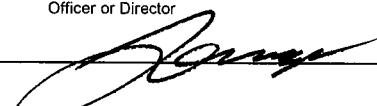
I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title
 Signed 
 Company H&H Electric Co.
 Address 2830 Commerce Street
Franklin Park, Illinois 60131



**Illinois Department
of Transportation**

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

Instructions: Complete this form by either typing or using black ink.
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completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	(C-1813)	(C-1814)	(C-1815)	(C-1816)	Awards Pending	
Contract Number	JOLIET 2786-1223	OLYMPIA FIELDS	I.D.O.T. 61J85	JOLIET 2792-1223		
Contract With	P.T. FERRO	D CONSTRUCTION	K-FIVE CONSTRUCTION CORP.	P.T. FERRO		
Estimated Completion Date	06/07/24	08/31/24	06/15/24	06/15/24		
Total Contract Price	74,925.00	3,840.00	19,297.60	8,100.00		
Uncompleted Dollar Value if Firm is the Prime Contractor						13,409,352.31
Uncompleted Dollar Value if Firm is the Subcontractor	74,925.00	3,840.00	19,297.60	8,100.00		8,150,279.39
Total Value of All Work						21,559,631.70

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	74,925.00	3,840.00	19,297.60	8,100.00	0.00	18,290,920.36
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	74,925.00	3,840.00	19,297.60	8,100.00	0.00	18,290,920.36

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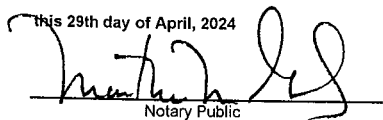
Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1813)	(C-1814)	(C-1815)	(C-1816)	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
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Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

 Notary Public

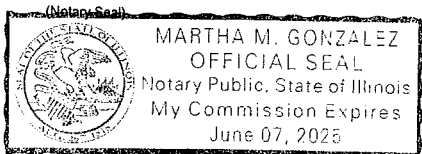
My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131





Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24

(Letting date)

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Part I. Work Under Contract

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	(C-1817)	(C-1818)	(C-1819)	(C-1820)	Awards Pending	
Contract Number	I.D.O.T. 61K09	I.D.O.T. 61K02	I.D.O.T. 62T87	I.D.O.T. 61J73		
Contract With	BUILDERS PAVING LLC	K-FIVE CONSTRUCTION CORP.	K-FIVE CONSTRUCTION CORP.	BUILDERS PAVING LLC		
Estimated Completion Date	06/15/24	08/31/24	08/31/24	11/15/24		
Total Contract Price	3,228.00	15,739.68	70,806.31	168,132.02		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						13,409,352.31
Uncompleted Dollar Value if Firm is the Subcontractor	3,228.00	15,739.68	70,806.31	168,132.02		8,408,185.40
					Total Value of All Work	21,817,537.71

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	3,228.00	15,739.68	70,806.31	168,132.02	0.00	18,548,826.37
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	3,228.00	15,739.68	70,806.31	168,132.02	0.00	18,548,826.37

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1817)	(C-1818)	(C-1819)	(C-1820)	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
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Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work. ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

[Signature]
 Notary Public

My commission expires: 06/07/25

(Notary Seal)



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
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For the Letting of 05/01/24
(Letting date)

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Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	(C-1821)	(C-1822)	(C-1823)	(C-1824)	Awards Pending	
Contract Number	I.D.O.T. 62T58	24-1-3 Traffic Signal UPS Battery Backup Systems	I.D.O.T. 61J81	REL #23-R0395		
Contract With	IROQUOIS PAVING CORP.	VILLAGE OF ADDISON	IROQUOIS PAVING CORP.	LINDAHL BROS.		
Estimated Completion Date	11/15/24	N/A	06/15/24	06/30/24		
Total Contract Price	298,723.99	27,747.25	3,307.60	2,598.75		
Uncompleted Dollar Value if Firm is the Prime Contractor		27,747.25				Accumulated Totals
Uncompleted Dollar Value if Firm is the Subcontractor	298,723.99		3,307.60	2,598.75		13,437,099.56
						8,712,815.74
						Total Value of All Work
						22,149,915.30

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	298,723.99	27,747.25	3,307.60	2,598.75	0.00	18,881,203.96
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	298,723.99	27,747.25	3,307.60	2,598.75	0.00	18,881,203.96

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1821)	(C-1822)	(C-1823)	(C-1824)	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
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Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

Martha M. Gonzalez
 Notary Public

My commission expires: 06/07/25

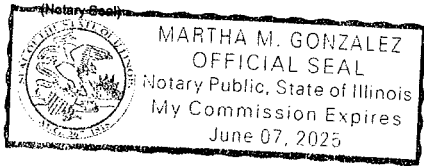
Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *Louie Veneziano*

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131





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	(C-1344)	(C-1542)	(C-1545)	(C-1546)	Awards Pending	
Contract Number	SECTION 09-00183-00-FP	I.D.O.T. 61G69	I.D.O.T. 62M62	I.D.O.T. 62M61		
Contract With	CAPITOL CEMENT COMPANY, INC.	I.D.O.T.	I.D.O.T.	I.D.O.T.		
Estimated Completion Date	12/31/26	06/30/24	06/30/24	06/30/24		
Total Contract Price	665,268.29	2,834,335.16	658,430.18	926,282.69		
Uncompleted Dollar Value if Firm is the Prime Contractor		60,000.00	14,832.90	25,214.87		Accumulated Totals 100,047.77
Uncompleted Dollar Value if Firm is the Subcontractor	320,359.71					320,359.71
Total Value of All Work						420,407.48

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	320,359.71	40,750.00	-14,805.90	4,459.87	0.00	350,763.68
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	320,359.71	40,750.00	-14,805.90	4,459.87	0.00	350,763.68

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Part III. Work Subcontracted to Others

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	(C-1344)	(C-1542)	(C-1545)	(C-1546)	Awards Pending
Subcontractor	HAMPTON, LENZINI, & RENWICK, INC.	INTEGRITY ENVIRONMENTAL SERVICES, INC.	ENVIRONMENTAL OPERATIONS, INC.	INTEGRITY ENVIRONMENTAL SERVICES, INC.	
Type of Work	OPTIMIZATION AND TRAFFIC SIGNAL TIMINGS	SOIL TESTING	SOIL TESTING	SOIL TESTING	
Subcontract Price	400.00	28,080.00	15,465.00	15,220.00	
Amount Uncompleted	0.00	0.00	0.00	880.00	
Subcontractor		ELITE FIBER OPTICS	ITERIS, INC.	ITERIS, INC.	
Type of Work		FIBER TERMINATIONS	RE-OPTIMIZATION & OPTIMIZATION	OPTIMIZATION	
Subcontract Price		21,250.00	26,500.00	26,500.00	
Amount Uncompleted		19,250.00	23,387.50	19,875.00	
Subcontractor		KIMLEY-HORN	MCGINTY BROS., INC.		
Type of Work		OPTIMIZATION	LANDSCAPING		
Subcontract Price		297,800.00	22,125.60		
Amount Uncompleted		0.00	6,251.30		
Subcontractor		L.C.D.O.T.			
Type of Work		ADAPTIVE CONTROL SYSTEM			
Subcontract Price		349,515.45			
Amount Uncompleted		0.00			
Subcontractor		ITERIS, INC.			
Type of Work		TIMING AND VALIDATION STUDY			
Subcontract Price		18,000.00			
Amount Uncompleted		0.00			
Subcontractor		QUIGG ENGINEERING			
Type of Work		CONSTRUCTION LAYOUT			
Subcontract Price		10,672.00			
Amount Uncompleted		0.00			
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	19,250.00	29,638.80	20,755.00	0.00

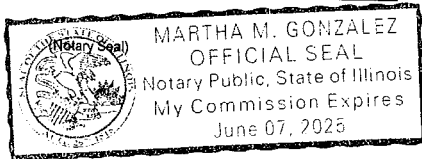
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Subscribed and sworn to before me

this 29th day of April, 2024

Notary Signature
 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131



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	(C-1567)	(C-1575)	(C-1618)	(C-1622)	Awards Pending	
Contract Number	2028-18250R	I.D.O.T. 61G91	I.D.O.T. 62C25	CONTRACT 2144-08042		
Contract With	R.W. DUNTEMAN CO.	I.D.O.T.	K-FIVE CONSTRUCTION CORP.	R.W. DUNTEMAN CO.		
Estimated Completion Date	09/30/26	06/30/24	06/30/24	06/30/24		
Total Contract Price	2,636,094.77	614,384.53	2,103,585.64	713,256.53		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		10,776.65				110,824.42
Uncompleted Dollar Value if Firm is the Subcontractor	1,927,449.26		608,203.01	81,010.04		2,937,022.02
Total Value of All Work						3,047,846.44

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	1,915,479.26	5,442.12	603,253.01	60,235.64	0.00	2,935,173.71
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	1,915,479.26	5,442.12	603,253.01	60,235.64	0.00	2,935,173.71

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

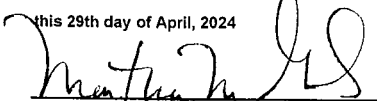
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1567)	(C-1575)	(C-1618)	(C-1622)	Awards Pending
Subcontractor	TRAFFIC CONTROL CORPORATION	R.W. DUNTEMAN CO.	ITERIS, INC.	MYS INCORPORATED	
Type of Work	MODIFY CONTROLLER	CONCRETE AND EARTH	RE-OPTIMIZE	EARTH EXCAVATION, CONCRETE	
Subcontract Price	995.00	61,145.55	4,950.00	59,193.00	
Amount Uncompleted	995.00	5,334.53	4,950.00	0.00	
Subcontractor	ITERIS, INC.	CONIN, INC.		MCGINTY BROS., INC.	
Type of Work	OPTIMIZE AND TEMPORARY TIMINGS	LANDSCAPING		LANDSCAPING	
Subcontract Price	10,975.00	8,392.44		21,204.40	
Amount Uncompleted	10,975.00	0.00		15,804.40	
Subcontractor		INTEGRITY ENVIRONMENTAL SERVICES, INC.		INTEGRITY ENVIRONMENTAL SERVICES, INC.	
Type of Work		SOIL TESTING		SOIL DISPOSAL ANALYSIS	
Subcontract Price		11,740.00		4,220.00	
Amount Uncompleted		0.00		4,220.00	
Subcontractor		PRECISION PAVEMENT MARKING		HAMPTON, LENZINI & RENWICK, INC.	
Type of Work		PAVEMENT MARKING		TIMING	
Subcontract Price		196,481.78		750.00	
Amount Uncompleted		0.00		750.00	
Subcontractor		MOBOTREX, INC.		MAINTENANCE COATINGS	
Type of Work		MODIFY CONTROLLERS		MARKING FOR PAVEMENT	
Subcontract Price		6,122.00		6,765.93	
Amount Uncompleted		0.00		0.00	
Subcontractor		QUIGG ENGINEERING			
Type of Work		LAYOUT			
Subcontract Price		3,970.00			
Amount Uncompleted		0.00			
Subcontractor		ITERIS, INC.			
Type of Work		REOPTIMIZE			
Subcontract Price		1,650.00			
Amount Uncompleted		0.00			
Total Uncompleted	11,970.00	5,334.53	4,950.00	20,774.40	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024


Notary Public

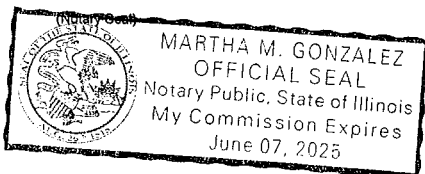
My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131





Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	(C-1623)	(C-1624)	(C-1628)	(C-1643)	Awards Pending	
Contract Number	CONTRACT 2115-10272	I.D.O.T. 62M92	SECTION 21-00268-24-TL	I.D.O.T. 61H14		
Contract With	ARROW ROAD CONSTRUCTION COMPANY	I.D.O.T.	L.C.D.O.T.	PLOTE CONSTRUCTION, INC.		
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24		
Total Contract Price	655,963.80	2,204,582.05	526,904.08	1,824,695.32		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		10,880.59	85,322.39			207,027.40
Uncompleted Dollar Value if Firm is the Subcontractor	1,348.00			647,441.30		3,585,811.32
Total Value of All Work						3,792,838.72

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	-8,652.00	10,880.59	85,322.39	642,041.30	0.00	3,664,765.99
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	-8,652.00	10,880.59	85,322.39	642,041.30	0.00	3,664,765.99

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1623)	(C-1624)	(C-1628)	(C-1643)	Awards Pending
Subcontractor	COMED	DEL TORO LANDSCAPING		INTEGRITY ENVIRONMENTAL SERVICES, INC.	
Type of Work	ELECTRIC SERVICE CONNECTION	LANDSCAPING		SOIL DISPOSAL, ETC.	
Subcontract Price	10,000.00	77,724.67		16,300.00	
Amount Uncompleted	10,000.00	0.00		0.00	
Subcontractor		INTEGRITY ENVIRONMENTAL SERVICES, INC.		ELITE FIBER OPTIC	
Type of Work		SOIL DISPOSAL, ETC.		FIBER	
Subcontract Price		34,750.00		14,565.00	
Amount Uncompleted		0.00		0.00	
Subcontractor		LA GRANGE CRANE SERVICE		TRAFFIC CONTROL CORPORATION	
Type of Work		TOWER REMOVALS		MODIFY EXISTING CABINET	
Subcontract Price		21,748.55		3,900.00	
Amount Uncompleted		0.00		3,900.00	
Subcontractor		MACKIE CONSULTANTS		ITERIS, INC.	
Type of Work		LAYOUT		OPTIMIZATION	
Subcontract Price		17,900.00		1,500.00	
Amount Uncompleted		0.00		1,500.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	10,000.00	0.00	0.00	5,400.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

Martha M. Gonzalez
 Notary Public

My commission expires: 06/07/25

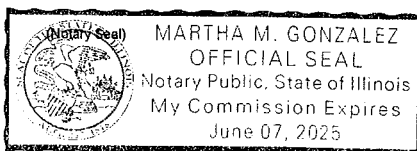
Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131





Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

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Part I. Work Under Contract

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	(C-1659)	(C-1660)	(C-1661)	(C-1669)	Awards Pending
Contract Number	Proposal 22-6070-008	SECTION 14-00288-01 PV	I.D.O.T. 62M59	I.D.O.T. 62P45	
Contract With	VILLAGE OF OSWEGO	MARTAM CONSTRUCTION, INC.	MYS INCORPORATED	JUDLAU CONTRACTING, INC.	
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24	
Total Contract Price	1,236,557.44	372,299.29	419,487.35	1,188,379.31	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	9,511.38				216,538.78
Uncompleted Dollar Value if Firm is the Subcontractor		5,485.42	2,031.99	398,774.38	3,992,103.11
Total Value of All Work					4,208,641.89

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	9,511.38	5,485.42	-218.01	398,774.38	0.00	4,078,319.16
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	9,511.38	5,485.42	-218.01	398,774.38	0.00	4,078,319.16

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Part III. Work Subcontracted to Others

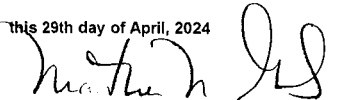
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	(C-1659)	(C-1660)	(C-1661)	(C-1669)	Awards Pending
Subcontractor	MYS INCORPORATED		ITERIS, INC.		
Type of Work	CONCRETE		OPTIMIZE AND TIMINGS		
Subcontract Price	76,164.39		2,250.00		
Amount Uncompleted	0.00		2,250.00		
Subcontractor	MCGINTY BROS., INC.				
Type of Work	LANDSCAPING				
Subcontract Price	14,723.50				
Amount Uncompleted	0.00				
Subcontractor	INTEGRITY ENVIRONMENTAL SERVICES, INC.				
Type of Work	SOIL TESTING				
Subcontract Price	10,420.00				
Amount Uncompleted	0.00				
Subcontractor	PRECISION PAVEMENT MARKINGS				
Type of Work	PAVEMENT MARKINGS				
Subcontract Price	10,997.66				
Amount Uncompleted	0.00				
Subcontractor	LPS PAVEMENT COMPANY				
Type of Work	BRICK PAVERS				
Subcontract Price	48,935.00				
Amount Uncompleted	0.00				
Subcontractor	MAKIE CONSULTANTS				
Type of Work	LAYOUT				
Subcontract Price	13,000.00				
Amount Uncompleted	0.00				
Subcontractor	HAMPTON, LENZINI & RENWICK, INC.				
Type of Work	OPTIMIZATION				
Subcontract Price	5,500.00				
Amount Uncompleted	0.00				
Total Uncompleted	0.00	0.00	2,250.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024


 Notary Public

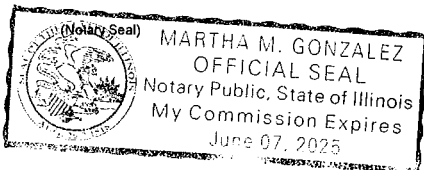
My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed 

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Address 2830 Commerce Street
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Illinois Department of Transportation

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Part I. Work Under Contract

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	(C-1673)	(C-1675)	(C-1704)		Awards Pending
Contract Number	I.D.O.T. 61H47	I.D.O.T. 66L58	I.D.O.T. 66M39		
Contract With	BERGER EXCAVATING	D CONSTRUCTION	I.D.O.T.		
Estimated Completion Date	06/30/24	06/30/24	06/30/24		
Total Contract Price	41,772.26	1,181,427.91	472,018.66		
Uncompleted Dollar Value if Firm is the Prime Contractor			3,550.46		220,089.24
Uncompleted Dollar Value if Firm is the Subcontractor	518.11	7,871.62			4,000,492.84
				Total Value of All Work	4,220,582.08

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	-9,961.89	7,221.62	3,550.46	0.00	0.00	4,079,129.35
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	-9,961.89	7,221.62	3,550.46	0.00	0.00	4,079,129.35

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Part III. Work Subcontracted to Others

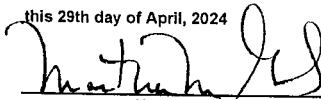
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	(C-1673)	(C-1675)	(C-1704)	0	Awards Pending
Subcontractor	COMED	ITERIS, INC.			
Type of Work	ELECTRIC SERVICE	TIMING			
Subcontract Price	6,665.00	650.00			
Amount Uncompleted	6,665.00	650.00			
Subcontractor	MOBOTREX, INC.				
Type of Work	MODIFY CONTROLLER & CABINET				
Subcontract Price	615.00				
Amount Uncompleted	615.00				
Subcontractor	ITERIS, INC.				
Type of Work	OPTIMIZE & TIMING				
Subcontract Price	3,900.00				
Amount Uncompleted	3,200.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	10,480.00	650.00	0.00	0.00	0.00

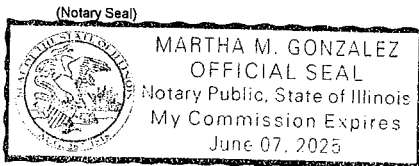
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Subscribed and sworn to before me

this 29th day of April, 2024


 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131



Illinois Department of Transportation

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	(C-1716)	(C-1717)	(C-1718)	(C-1724)	Awards Pending
Contract Number	BID 22-058	SECTION 19-00149-00 PW	I.D.O.T. 61J02	N/A	
Contract With	CITY OF ELGIN	P.T. FERRO CONSTRUCTION	LINDAHL BROS.	CITY OF DARIEN	
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24	
Total Contract Price	255,542.70	485,523.53	1,091,962.64	264,774.98	
Uncompleted Dollar Value if Firm is the Prime Contractor	14,906.31			645.00	Accumulated Totals 235,640.55
Uncompleted Dollar Value if Firm is the Subcontractor		49,449.39	40,221.00		4,090,163.23
Total Value of All Work					4,325,803.78

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	14,906.31	49,449.39	36,271.00	645.00	0.00	4,180,401.05
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
Totals	14,906.31	49,449.39	36,271.00	645.00	0.00	4,180,401.05

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1716)	(C-1717)	(C-1718)	(C-1724)	Awards Pending
Subcontractor			ITERIS, INC.		
Type of Work			RE-OPTIMIZATION AND TIMINGS		
Subcontract Price			3,950.00		
Amount Uncompleted			3,950.00		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
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Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	3,950.00	0.00	0.00

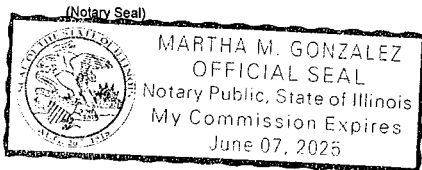
I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

[Signature]
 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131



Illinois Department of Transportation

Bureau of Construction
 2300 South Dirksen Parkway/Room 322
 Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
 (Letting date)

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	(C-1727)	(C-1728)	(C-1729)	(C-1732)	Awards Pending
Contract Number	I.D.O.T. 61H96	I.D.O.T. 62F75	I.D.O.T. 62T54	I.D.O.T. 62R80	
Contract With	I.D.O.T.	D CONSTRUCTION	I.D.O.T.	ARROW ROAD CONSTRUCTION COMPANY	
Estimated Completion Date	06/13/25	06/30/24	10/11/24	06/30/24	
Total Contract Price	7,756,331.84	119,069.51	3,455,957.35	144,056.14	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	5,980,987.37		1,649,203.27		7,865,831.19
Uncompleted Dollar Value if Firm is the Subcontractor		7,525.00		1,114.86	4,098,803.09
Total Value of All Work					11,964,634.28

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	5,020,456.79	7,525.00	642,125.07	1,114.86	0.00	9,851,622.77
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	5,020,456.79	7,525.00	642,125.07	1,114.86	0.00	9,851,622.77

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid". This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1727)	(C-1728)	(C-1729)	(C-1732)	Awards Pending
Subcontractor	BROWNFIELD		MCGINTY BROS.	HAMPTON, LENZINI & RENWICK, INC.	
Type of Work	SOIL TESTING		LANDSCAPING	REOPTIMIZE	
Subcontract Price	39,700.00		2,850.00	3,300.00	
Amount Uncompleted	39,700.00		0.00	0.00	
Subcontractor	ELITE FIBER OPTIC		D&R ENVIRONMENTAL		
Type of Work	FIBER OPTIC		SOIL TESTING		
Subcontract Price	892,480.58		26,050.00		
Amount Uncompleted	892,480.58		0.00		
Subcontractor	TRAFFIC CONTROL CORPORATION		TRAFFIC CONTROL CORPORATION		
Type of Work	UPGRADE CONTROLLER		CENTRACS & UPGRADE CONTROLLER		
Subcontract Price	27,375.00		209,275.00		
Amount Uncompleted	27,375.00		209,275.00		
Subcontractor	ITERIS, INC.		ELITE FIBER OPTICS		
Type of Work	REOPTIMIZE		FIBER		
Subcontract Price	975.00		760,309.20		
Amount Uncompleted	975.00		760,309.20		
Subcontractor			MOBOTREX, INC.		
Type of Work			TACTICS		
Subcontract Price			12,144.00		
Amount Uncompleted			12,144.00		
Subcontractor			ITERIS, INC.		
Type of Work			OPTIMIZE		
Subcontract Price			25,350.00		
Amount Uncompleted			25,350.00		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	960,530.58	0.00	1,007,078.20	0.00	0.00

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Subscribed and sworn to before me

this 29th day of April, 2024

Martha M. Gonzalez
Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.
Address 2830 Commerce Street
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Illinois Department of Transportation

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Affidavit of Availability
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(Letting date)

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Part I. Work Under Contract

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	(C-1736)	(C-1737)	(C-1738)	(C-1754)	Awards Pending	
Contract Number	I.D.O.T. 62N80	I.D.O.T. 62R54	I.D.O.T. 62R17	SECTION 23-PVMTC-20-GM		
Contract With	ARROW ROAD CONSTRUCTION COMPANY	ARROW ROAD CONSTRUCTION COMPANY	ARROW ROAD CONSTRUCTION COMPANY	R.W. DUNTEMAN CO.		
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24		
Total Contract Price	479,232.13	94,928.55	207,964.08	70,486.76		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						7,865,831.19
Uncompleted Dollar Value if Firm is the Subcontractor	10,389.05	1,418.00	8,457.00	350.00		4,119,417.14
Total Value of All Work						11,985,248.33

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	-6,440.95	1,418.00	8,457.00	350.00	0.00	9,855,406.82
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	-6,440.95	1,418.00	8,457.00	350.00	0.00	9,855,406.82

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1736)	(C-1737)	(C-1738)	(C-1754)	Awards Pending
Subcontractor	BP&T PAINTING				
Type of Work	PAINTING				
Subcontract Price	50,220.00				
Amount Uncompleted	14,830.00				
Subcontractor	GEWALT HAMILTON &				
Type of Work	RE-OPTIMIZE				
Subcontract Price	2,000.00				
Amount Uncompleted	2,000.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	16,830.00	0.00	0.00	0.00	0.00

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Subscribed and sworn to before me

this 29th day of April, 2024

[Signature]
Notary Public

My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131





Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

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(Letting date)

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Part I. Work Under Contract

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	(C-1766)	(C-1775)	(C-1776)	(C-1780)	Awards Pending
Contract Number	I.D.O.T. 62U46	SECTION 22-DCITS-01 TL	SECTION 23-TSUPG-07-GM	I.D.O.T. 62T53	
Contract With	I.D.O.T.	D.C.D.O.T.	D.C.D.O.T.	I.D.O.T.	
Estimated Completion Date	06/30/24	06/30/24	06/30/24	06/30/24	
Total Contract Price	1,131,952.01	731,047.32	281,985.59	3,706,899.09	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	581,962.51	594,489.61	57,948.75	2,532,675.43	11,632,907.49
Uncompleted Dollar Value if Firm is the Subcontractor					4,119,417.14
Total Value of All Work					15,752,324.63

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	572,277.04	585,829.61	57,948.75	1,612,718.87	0.00	12,684,181.09
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
Totals	572,277.04	585,829.61	57,948.75	1,612,718.87	0.00	12,684,181.09

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Part III. Work Subcontracted to Others

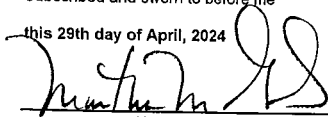
For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1766)	(C-1775)	(C-1776)	(C-1780)	Awards Pending
Subcontractor	D&R ENVIRONMENTAL	TRAFFIC CONTROL CORPORATION		MCGINTY BROS.	
Type of Work	SOILS	MODIFY CONTROLLER		LANDSCAPING	
Subcontract Price	40,200.00	3,850.00		16,020.00	
Amount Uncompleted	1.47	3,850.00		16,020.00	
Subcontractor	MOBOTREX, INC.	MOBOTREX, INC.		MOBOTREX, INC.	
Type of Work	MODIFY EXISTING CONTROLLER	MODIFY CONTROLLER		TACTICS LICENSE EXPANSION	
Subcontract Price	7,734.00	250.00		12,144.00	
Amount Uncompleted	7,734.00	250.00		12,144.00	
Subcontractor	SAM SCHWARTZ ENGINEERING	ELITE FIBER OPTICS		ELITE FIBER OPTICS	
Type of Work	RE-OPTIMIZATION	FIBER SPLICING		FIBER	
Subcontract Price	1,950.00	4,560.00		704,367.56	
Amount Uncompleted	1,950.00	4,560.00		704,367.56	
Subcontractor				ITERIS, INC.	
Type of Work				OPTIMIZE	
Subcontract Price				17,625.00	
Amount Uncompleted				17,625.00	
Subcontractor				BUDGETARY ALLOWANCE	
Type of Work				NETWORK DESIGN AND INTEGRATION	
Subcontract Price				160,000.00	
Amount Uncompleted				160,000.00	
Subcontractor				D&R ENVIRONMENTAL	
Type of Work				SOIL TESTING	
Subcontract Price				20,600.00	
Amount Uncompleted				9,800.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	9,685.47	8,660.00	0.00	919,956.56	0.00

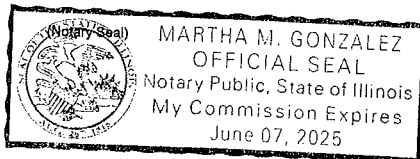
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this 29th day of April, 2024


 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed 

Company H&H Electric Co.
 Address 2830 Commerce Street
Franklin Park, Illinois 60131



**Illinois Department
of Transportation**

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**Affidavit of Availability
For the Letting of 05/01/24**
(Letting date)

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Part I. Work Under Contract

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	(C-1782)	(C-1783)	(C-1789)	(C-1790)	Awards Pending
Contract Number	I.D.O.T. 61H85	I.D.O.T. 62G37	I.D.O.T. 62T93	I.D.O.T. 62U08	
Contract With	R.W. DUNTEMAN CO.	K-FIVE CONSTRUCTION CORPORATION	MAT CONSTRUCTION COMPANY, INC.	IROQUOIS PAVING CORP.	
Estimated Completion Date	12/31/24	11/01/24	06/30/24	06/30/24	
Total Contract Price	1,344,575.53	1,600,449.44	14,506.39	212,910.22	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor					11,632,907.49
Uncompleted Dollar Value if Firm is the Subcontractor	935,487.73	998,115.43	625.00	102,448.43	6,156,093.73
Total Value of All Work					17,789,001.22

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	924,087.73	988,465.43	625.00	96,748.43	0.00	14,694,107.68
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	924,087.73	988,465.43	625.00	96,748.43	0.00	14,694,107.68

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Part III. Work Subcontracted to Others

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	(C-1782)	(C-1783)	(C-1789)	(C-1790)	Awards Pending
Subcontractor	COMED	ITERIS, INC.		ITERIS, INC.	
Type of Work	ELECTRIC SERVICE	RE-OPTIMIZATION AND TIMING		RE-OPTIMIZATION AND TRAFFIC TIMING	
Subcontract Price	5,000.00	9,650.00		5,700.00	
Amount Uncompleted	5,000.00	9,650.00		5,700.00	
Subcontractor	TRAFFIC CONTROL CORPORATION				
Type of Work	MODIFY CONTROLLER				
Subcontract Price	2,000.00				
Amount Uncompleted	2,000.00				
Subcontractor	ELITE FIBER OPTICS				
Type of Work	FIBER				
Subcontract Price	3,250.00				
Amount Uncompleted	3,250.00				
Subcontractor	ITERIS, INC.				
Type of Work	RE-OPTIMIZE				
Subcontract Price	1,150.00				
Amount Uncompleted	1,150.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	11,400.00	9,650.00	0.00	5,700.00	0.00

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Subscribed and sworn to before me

this 29th day of April, 2024

Martha M. Gonzalez
 Notary Public

My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131





Illinois Department of Transportation

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	(C-1792)	(C-1794)	(C-1798)	(C-1802)	Awards Pending	
Contract Number	I.D.O.T. 62T73	ELGIN BID 22-045	ROMEDEVILLE PROJECT 23-R0273	SECTION 23-00172-00 TL		
Contract With	IROQUOIS PAVING CORP.	CITY OF ELGIN	VILLAGE OF ROMEDEVILLE	KENDALL COUNTY HIGHWAY DEPARTMENT		
Estimated Completion Date	06/30/24	11/30/24	08/30/24	11/22/24		
Total Contract Price	21,816.24	178,198.00	425,351.08	370,827.81		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		132,567.79	254,466.72	307,225.58		12,327,167.58
Uncompleted Dollar Value if Firm is the Subcontractor	344.97					6,156,438.70
Total Value of All Work						18,483,606.28

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	344.97	132,567.79	198,673.22	298,175.58	0.00	15,323,869.24
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	344.97	132,567.79	198,673.22	298,175.58	0.00	15,323,869.24

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1792)	(C-1794)	(C-1798)	(C-1802)	Awards Pending
Subcontractor			MYS INCORPORATED	PAVEMENT MARKING CO.	
Type of Work			CONCRETE WORK AND RELATED	PAVEMENT MARKING	
Subcontract Price			30,297.50	4,400.00	
Amount Uncompleted			30,297.50	4,400.00	
Subcontractor			ROADSAFE	ITERIS, INC.	
Type of Work			SIGNING AND PAVENT MARKINGS	SIGNAL TIMING	
Subcontract Price			20,996.00	750.00	
Amount Uncompleted			20,996.00	750.00	
Subcontractor			MCGINTY BROS.	MACKIE CONSULTANTS	
Type of Work			LANDSCAPING	CONSTRUCTION LAYOUT	
Subcontract Price			4,500.00	3,900.00	
Amount Uncompleted			4,500.00	3,900.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	55,793.50	9,050.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

Martha M. Gonzalez
 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131



**Illinois Department
of Transportation**

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

**Affidavit of Availability
For the Letting of** 05/01/24
(Letting date)

Instructions: Complete this form by either typing or using black ink.
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Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show **NONE**.

	(C-1805)	(C-1806)	(C-1807)	(C-1808)	Awards Pending	
Contract Number	I.D.O.T. 61J35	I.D.O.T. 62T57	I.D.O.T. 61J80	I.D.O.T. 61J88		
Contract With	COPENAVER	D CONSTRUCTION	K-FIVE CONSTRUCTION CORP.	PLOTE CONSTRUCTION, INC.		
Estimated Completion Date	06/30/24	06/30/24	06/30/24	05/05/25		
Total Contract Price	562,098.37	423,063.54	353,211.98	430,601.54		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						12,327,167.58
Uncompleted Dollar Value if Firm is the Subcontractor	561,982.55	423,063.54	353,107.89	430,601.54		7,925,194.22
					Total Value of All Work	20,252,361.80

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work Subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show **NONE**

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	555,532.55	418,063.54	346,022.89	428,301.54	0.00	17,071,789.76
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	555,532.55	418,063.54	346,022.89	428,301.54	0.00	17,071,789.76

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1805)	(C-1806)	(C-1807)	(C-1808)	Awards Pending
Subcontractor	ITERIS, INC.	SAM SCHWARTZ ENGINEERING	COMED	ITERIS, INC.	
Type of Work	OPTIMIZATION	RE-OPTIMIZE	ELECTRIC SERVICE CONNECTION	RE-OPTIMIZE & TIMING	
Subcontract Price	6,450.00	5,000.00	6,000.00	2,300.00	
Amount Uncompleted	6,450.00	5,000.00	6,000.00	2,300.00	
Subcontractor			TRAFFIC CONTROL CORP.		
Type of Work			MODIFY CONTROLLER		
Subcontract Price			385.00		
Amount Uncompleted			385.00		
Subcontractor			ITERIS, INC.		
Type of Work			TEMPORARY TIMING		
Subcontract Price			700.00		
Amount Uncompleted			700.00		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	6,450.00	5,000.00	7,085.00	2,300.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

[Signature]
 Notary Public

My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131





(Letting date)

Bureau of Construction
2300 South Dirksen Parkway/Room 322
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Part I. Work Under Contract

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	(C-1809)	(C-1810)	(C-1811)	(C-1812)	Awards Pending	
Contract Number	I.D.O.T. 62T74	I.D.O.T. 62R83	I.D.O.T. 61J77	I.D.O.T. 61J89		
Contract With	BUILDERS PAVING, LLC	I.D.O.T.	BUILDERS PAVING, LLC	LIMA CONTRACTORS		
Estimated Completion Date	06/30/24	07/31/24	07/31/24	10/15/24		
Total Contract Price	112,526.57	1,346,686.27	4,096.00	2,300.00		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		1,082,184.73				13,409,352.31
Uncompleted Dollar Value if Firm is the Subcontractor	112,526.57		4,096.00	2,300.00		8,044,116.79
Total Value of All Work						21,453,469.10

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work Subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway, R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	110,876.57	995,695.43	4,096.00	2,300.00	0.00	18,184,757.76
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
Totals	110,876.57	995,695.43	4,096.00	2,300.00	0.00	18,184,757.76

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1809)	(C-1810)	(C-1811)	(C-1812)	Awards Pending
Subcontractor	ITERIS, INC.	SRN TESTING			
Type of Work	RE-OPTIMIZE	SOIL WORK			
Subcontract Price	1,650.00	8,864.30			
Amount Uncompleted	1,650.00	8,864.30			
Subcontractor		ELITE FIBER OPTICS			
Type of Work		FIBER			
Subcontract Price		49,675.00			
Amount Uncompleted		49,675.00			
Subcontractor		ITERIS, INC.			
Type of Work		RE-OPTIMIZE / OPTIMIZE			
Subcontract Price		27,950.00			
Amount Uncompleted		27,950.00			
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	1,650.00	86,489.30	0.00	0.00	0.00

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Subscribed and sworn to before me

this 29th day of April, 2024

[Signature]
Notary Public

My commission expires: 06/07/25

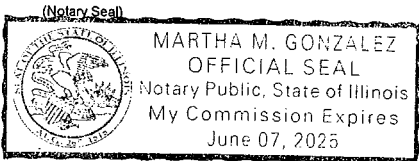
Type or Print Name Louie Veneziano President
Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131





**Illinois Department
of Transportation**

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 05/01/24
(Letting date)

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Part I. Work Under Contract

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	(C-1813)	(C-1814)	(C-1815)	(C-1816)	Awards Pending	
Contract Number	JOLIET 2786-1223	OLYMPIA FIELDS	I.D.O.T. 61J85	JOLIET 2792-1223		
Contract With	P.T. FERRO	D CONSTRUCTION	K-FIVE CONSTRUCTION CORP.	P.T. FERRO		
Estimated Completion Date	06/07/24	08/31/24	06/15/24	06/15/24		
Total Contract Price	74,925.00	3,840.00	19,297.60	8,100.00		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						13,409,352.31
Uncompleted Dollar Value if Firm is the Subcontractor	74,925.00	3,840.00	19,297.60	8,100.00		8,150,279.39
					Total Value of All Work	21,559,631.70

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	74,925.00	3,840.00	19,297.60	8,100.00	0.00	18,290,920.36
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (Llist)						0.00
						0.00
						0.00
Totals	74,925.00	3,840.00	19,297.60	8,100.00	0.00	18,290,920.36

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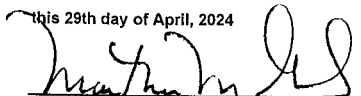
Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1813)	(C-1814)	(C-1815)	(C-1816)	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
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Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	0.00	0.00	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 29th day of April, 2024

 Notary Public

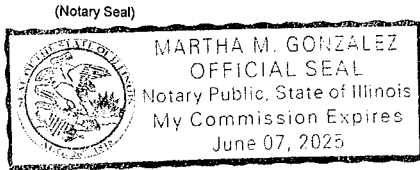
My commission expires: 06/07/25

Type or Print Name Louie Veneziano President
Officer or Director Title

Signed 

Company H&H Electric Co.

Address 2830 Commerce Street
Franklin Park, Illinois 60131





Illinois Department of Transportation
 Bureau of Construction
 2300 South Dirksen Parkway/Room 322
 Springfield, Illinois 62764

Affidavit of Availability
 For the Letting of 05/01/24
 (Letting date)

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Part I. Work Under Contract

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	(C-1817)	(C-1818)	(C-1819)	(C-1820)	Awards Pending	
Contract Number	I.D.O.T. 61K09	I.D.O.T. 61K02	I.D.O.T. 62T87	I.D.O.T. 61J73		
Contract With	BUILDERS PAVING LLC	K-FIVE CONSTRUCTION CORP.	K-FIVE CONSTRUCTION CORP.	BUILDERS PAVING LLC		
Estimated Completion Date	06/15/24	08/31/24	08/31/24	11/15/24		
Total Contract Price	3,228.00	15,739.68	70,806.31	168,132.02		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						13,409,352.31
Uncompleted Dollar Value if Firm is the Subcontractor	3,228.00	15,739.68	70,806.31	168,132.02		8,408,185.40
					Total Value of All Work	21,817,537.71

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	3,228.00	15,739.68	70,806.31	168,132.02	0.00	18,548,826.37
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	3,228.00	15,739.68	70,806.31	168,132.02	0.00	18,548,826.37

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1817)	(C-1818)	(C-1819)	(C-1820)	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
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Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	0.00	0.00	0.00

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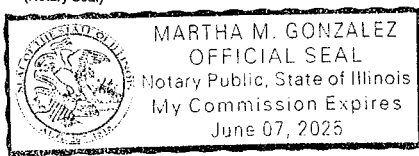
Subscribed and sworn to before me

this 29th day of April, 2024

Martha M. Gonzalez
 Notary Public

My commission expires: 06/07/25

(Notary Seal)



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *Louie Veneziano*

Company H&H Electric Co.

Address 2830 Commerce Street
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Bureau of Construction
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	(C-1821)	(C-1822)	(C-1823)	(C-1824)	Awards Pending	
Contract Number	I.D.O.T. 62T58	24-1-3 Traffic Signal UPS Battery Backup Systems	I.D.O.T. 61J81	REL #23-R0395		
Contract With	IROQUOIS PAVING CORP.	VILLAGE OF ADDISON	IROQUOIS PAVING CORP.	LINDAHL BROS.		
Estimated Completion Date	11/15/24	N/A	06/15/24	06/30/24		
Total Contract Price	298,723.99	27,747.25	3,307.60	2,598.75		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		27,747.25				13,437,099.56
Uncompleted Dollar Value if Firm is the Subcontractor	298,723.99		3,307.60	2,598.75		8,712,815.74
Total Value of All Work						22,149,915.30

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						Accumulated Totals
Earthwork						0.00
Portland Cement Concrete Paving						0.00
HMA Plant Mix						0.00
HMA Paving						0.00
Clean & Seal Cracks/Joints						0.00
Aggregate Bases & Surfaces						0.00
Highway,R.R. and Waterway Structures						0.00
Drainage						0.00
Electrical	298,723.99	27,747.25	3,307.60	2,598.75	0.00	18,881,203.96
Cover and Seal Coats						0.00
Concrete Construction						0.00
Landscaping						0.00
Fencing						0.00
Guardrail						0.00
Painting						0.00
Signing						0.00
Cold Milling, Planning & Rotomilling						0.00
Demolition						0.00
Pavement Markings (Paint)						0.00
Other Construction (List)						0.00
						0.00
						0.00
Totals	298,723.99	27,747.25	3,307.60	2,598.75	0.00	18,881,203.96

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	(C-1821)	(C-1822)	(C-1823)	(C-1824)	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
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Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	0.00	0.00	0.00	0.00	0.00

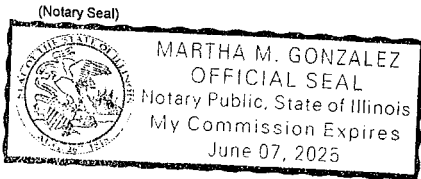
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this 29th day of April, 2024

Martha M. Gonzalez
 Notary Public

My commission expires: 06/07/25



Type or Print Name Louie Veneziano President
 Officer or Director Title

Signed *[Signature]*

Company H&H Electric Co.

Address 2830 Commerce Street

Franklin Park, Illinois 60131



E. - Bidder's Employee Utilization Form Construction

Contract Number	District	Letting Date
	1	
Route	County	
McCoy Dr/Cheshire Dr	DuPage	
Project Number	Job Number	
Section Number		
23-00361-00-TL		

PART I. IDENTIFICATION

Human Rights 97829-00

Bid Number

24-059

Duration of Project

35 WORKING DAYS

Name of Bidder

H&H ELECTRIC CO.

PART II. WORKFORCE PROJECTION

A. The undersigned bidder has analyzed minority group and female populations, unemployment rates and availability of workers for the location in which this contract work is to be performed, and for the locations from which the bidder recruits employees, and hereby submits the following workforce projection including a projection for minority and female employee utilization in all job categories in the workforce to be allocated to this contract:

TABLE A TOTAL Workforce Projection for Contract													TABLE B Current Employees to be Assigned to Contract			
Job Categories	Total Employees		MINORITY EMPLOYEES						TRAINEES				Total Employees		Minority Employees	
	M	F	Black		Hispanic		*Other Minorities		Apprentices		On the Job Trainees		M	F	M	F
			M	F	M	F	M	F	M	F	M	F				
Officials (Manager)																
Supervisors																
Foremen																
Clerical																
Equipment Operators																
Mechanics																
Truck Drivers																
Iron Workers																
Carpenters																
Cement Masons																
Electricians	3	1	1	0	2	0	0	0	2	0	0	0	3	1	3	0
Pipe-fitters, Plumbers																
Painters																
Laborers, semi-skilled																
Laborers, unskilled																
TOTAL																

TABLE C Total Training Projection for Contract								
Job Categories	Total Employees		Black		Hispanic		*Other Minorities	
	M	F	M	F	M	F	M	F
Apprentices	2				2			
On-The-Job Trainees								

For Department Use Only

* Other minorities are defined as Asians (A) or Native Americans (N). Please specify race of each employees shown in Other Minorities column.

B. Included in "Total Employees" under Table A is the total number of new hires that would be employed in the event the undersigned bidder is awarded this contract.

The undersigned bidder projects that: $\frac{0}{\text{(number)}}$ new hires would be recruited from the area in which the contract project is located; and/or $\frac{0}{\text{(number)}}$ new hires would be recruited from the area in which the bidder's principal office or base of operation is located.

C. Included in "Total Employees" under Table A is a projection of numbers of persons to be employed directly by the undersigned bidder as well as a projection of numbers of persons to be employed by subcontractors.

The undersigned bidder estimates that $\frac{4}{\text{(number)}}$ persons will be directly employed by the prime contractor and that $\frac{0}{\text{(number)}}$ persons will be employed by subcontractors.

PART III. AFFIRMATIVE ACTION PLAN


A. The undersigned bidder understands and agrees that in the event the foregoing minority and female employee utilization projection included under **PART II** is determined to be an underutilization of minority persons or women in any job category, and in the event that the undersigned bidder is awarded this contract, he will, prior to commencement of work, develop and submit a written Affirmative Action Plan including a specific timetable (geared to the completion stages of the contract) whereby deficiencies in minority and/or female employee utilization are corrected. Such Affirmative Action Plan will be subject to approval by the contracting agency and the **Department of Human Rights**.

B. The undersigned bidder understands and agrees that the minority and female employee utilization projection submitted herein, and the goals and timetable included under an Affirmative Action Plan if required, are deemed to be part of the contract specifications.

Company		Phone	
H&H ELECTRIC CO.		708-453-2222	
Address	City	State	Zip Code
2830 COMMERCE STREET	FRANKLIN PARK	IL	60131

NOTICE REGARDING SIGNATURE

The Bidder's signature on the Proposal Signature Sheet will constitute the signing of this form. The following signature block needs to be completed if revisions are required.

Signature	Date
	4/30/2024
Title	
LOUIE VENEZIANO, PRESIDENT	

Instructions: All tables must include subcontractor personnel in addition to prime contractor personnel.

Table A — Include both the number of employees that would be hired to perform the contract work and the total number currently employed (Table B) that will be allocated to contract work, and include all apprentices and on-the-job trainees. The "Total Employees" column should include all employees including all minorities, apprentices and on-the-job trainees to be employed on the contract work.

Table B — Include all employees currently employed that will be allocated to the contract work including any apprentices and on-the-job trainees currently employed.

Table C — Indicate the racial breakdown of the total apprentices and on-the-job trainees shown in Table A.



Check Sheet for Recurring Special Provisions

Local Public Agency	County	Section Number
City of Aurora	DuPage	23-00361-00-TL

Check this box for lettings prior to 01/01/2023.

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	53
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	56
3	<input type="checkbox"/> EEO	57
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	67
5	<input type="checkbox"/> Required Provisions - State Contracts	72
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	78
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	79
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	80
9	<input checked="" type="checkbox"/> Construction Layout Stakes	81
10	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	84
11	<input type="checkbox"/> Subsealing of Concrete Pavements	86
12	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	90
13	<input type="checkbox"/> Pavement and Shoulder Resurfacing	92
14	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	93
15	<input type="checkbox"/> Polymer Concrete	95
16	<input type="checkbox"/> Reserved	97
17	<input type="checkbox"/> Bicycle Racks	98
18	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	100
19	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	102
20	<input type="checkbox"/> English Substitution of Metric Bolts	103
21	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	104
22	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	105
23	<input checked="" type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	113
24	<input type="checkbox"/> Reserved	129
25	<input type="checkbox"/> Reserved	130
26	<input type="checkbox"/> Temporary Raised Pavement Markers	131
27	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	132
28	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	135
29	<input type="checkbox"/> Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	139
30	<input type="checkbox"/> Longitudinal Joint and Crack Patching	142
31	<input type="checkbox"/> Concrete Mix Design - Department Provided	144
32	<input type="checkbox"/> Station Numbers in Pavements or Overlays	145

Local Public Agency

County

Section Number

City of Aurora

DuPage

23-00361-00-TL

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
LRS 1	Reserved	147
LRS 2	<input type="checkbox"/> Furnished Excavation	148
LRS 3	<input checked="" type="checkbox"/> Work Zone Traffic Control Surveillance	149
LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones	150
LRS 5	<input checked="" type="checkbox"/> Contract Claims	151
LRS 6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	152
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	158
LRS 8	Reserved	164
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	165
LRS 10	Reserved	169
LRS 11	<input checked="" type="checkbox"/> Employment Practices	170
LRS 12	<input checked="" type="checkbox"/> Wages of Employees on Public Works	172
LRS 13	<input checked="" type="checkbox"/> Selection of Labor	174
LRS 14	<input checked="" type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	175
LRS 15	<input checked="" type="checkbox"/> Partial Payments	178
LRS 16	<input type="checkbox"/> Protests on Local Lettings	179
LRS 17	<input checked="" type="checkbox"/> Substance Abuse Prevention Program	180
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	181
LRS 19	<input type="checkbox"/> Reflective Crack Control Treatment	182

BDE SPECIAL PROVISIONS
For the April 26 and June 14, 2024 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

File Name #	Special Provision Title	Effective	Revised
80099 1	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
80274 2	<input type="checkbox"/> Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
80192 3	<input type="checkbox"/> Automated Flagger Assistance Devices	Jan. 1, 2008	April 1, 2023
80173 4	<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80426 5	<input type="checkbox"/> Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
* 80241 6	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
* 50531 7	<input type="checkbox"/> Building Removal	Sept. 1, 1990	Aug. 1, 2022
* 50261 8	<input type="checkbox"/> Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
80449 9	<input checked="" type="checkbox"/> Cement, Type II	Aug. 1, 2023	
80384 10	<input checked="" type="checkbox"/> Compensable Delay Costs	June 2, 2017	April 1, 2019
* 80198 11	<input type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
* 80199 12	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80453 13	<input type="checkbox"/> Concrete Sealer	Nov. 1, 2023	
80261 14	<input checked="" type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80434 15	<input type="checkbox"/> Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
* 80029 16	<input type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Mar. 2, 2019
80229 17	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80452 18	<input type="checkbox"/> Full Lane Sealant Waterproofing System	Nov. 1, 2023	
80447 19	<input type="checkbox"/> Grading and Shaping Ditches	Jan. 1, 2023	
80433 20	<input type="checkbox"/> Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
80443 21	<input type="checkbox"/> High Tension Cable Median Barrier Removal	April 1, 2022	
80456 22	<input checked="" type="checkbox"/> Hot-Mix Asphalt	Jan. 1, 2024	
80446 23	<input type="checkbox"/> Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
80438 24	<input type="checkbox"/> Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
80045 25	<input type="checkbox"/> Material Transfer Device	June 15, 1999	Jan. 1, 2022
80450 26	<input type="checkbox"/> Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	
80441 27	<input checked="" type="checkbox"/> Performance Graded Asphalt Binder	Jan. 1, 2023	
80451 28	<input checked="" type="checkbox"/> Portland Cement Concrete	Aug. 1, 2023	
* 34261 29	<input type="checkbox"/> Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
80455 30	<input type="checkbox"/> Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
80445 31	<input checked="" type="checkbox"/> Seeding	Nov. 1, 2022	
80457 32	<input type="checkbox"/> Short Term and Temporary Pavement Markings	April 1, 2024	
80448 33	<input type="checkbox"/> Source of Supply and Quality Requirements	Jan. 2, 2023	
80340 34	<input type="checkbox"/> Speed Display Trailer	April 2, 2014	Jan. 1, 2022
80127 35	<input type="checkbox"/> Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
80397 36	<input type="checkbox"/> Subcontractor and DBE Payment Reporting	April 2, 2018	
80391 37	<input checked="" type="checkbox"/> Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
80437 38	<input type="checkbox"/> Submission of Payroll Records	April 1, 2021	Nov. 2, 2023
80435 39	<input type="checkbox"/> Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
80410 40	<input type="checkbox"/> Traffic Spotters	Jan. 1, 2019	
* 20338 41	<input type="checkbox"/> Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
80429 42	<input type="checkbox"/> Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
80439 43	<input type="checkbox"/> Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
80302 44	<input type="checkbox"/> Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
80454 45	<input type="checkbox"/> Wood Sign Support	Nov. 1, 2023	
80427 46	<input type="checkbox"/> Work Zone Traffic Control Devices	Mar. 2, 2020	
* 80071 47	<input checked="" type="checkbox"/> Working Days	Jan. 1, 2002	

Highlighted items indicate a new or revised special provision for the letting.

An * indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

The following special provisions are in the 2024 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80436	Blended Finely Divided Minerals	Articles 1010.01 & 1010.06	April 1, 2021	
80440	Waterproofing Membrane System	Article 1061.05	Nov. 1, 2021	

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STATE OF ILLINOIS
SPECIAL PROVISIONS

The following Special Provisions supplement the "Illinois Department of Transportation Standard Specifications for Road and Bridge Construction", adopted January 1, 2022, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the "Supplemental Specifications and Recurring Special Provisions" indicated on the Check Sheet included herein which apply to and govern the construction of FAU 1531 (McCoy Drive), Section: 23-00361-00-TL, in DuPage County, and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

LOCATION OF PROJECT

This project is located where McCoy Drive intersects with Cheshire Drive in the County of DuPage within the City of Aurora. The improvements include 750-feet of net and gross improvements to the intersection. A location map is shown on the cover of the plans.

DESCRIPTION OF PROJECT

The project consists of installation of new traffic signal equipment, sidewalk improvements, pavement markings, combination curb and gutter removal and replacement, as well as all collateral work necessary to complete the project as shown on the plans and described herein.

MAINTENANCE OF ROADWAYS (D1)

Effective: September 30, 1985 Revised: November 1, 1996

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

STATUS OF UTILITIES (D1)

Effective: June 1, 2016
Revised: January 1, 2020

Utility companies and/or municipal owners located within the construction limits of this project have provided the following information regarding their facilities and the proposed improvements. The tables below contain a description of specific conflicts to be resolved and/or facilities which will require some action on the part of the Department's contractor to proceed with work. Each table entry includes an identification of the action necessary and, if applicable, the estimated duration required for the resolution.

UTILITIES TO BE ADJUSTED

None

UTILITIES TO BE WATCHED AND PROTECTED

The areas of concern noted below have been identified by following the suggested staging plan included for the contract. The information provided is not a comprehensive list of all remaining utilities, but those

which during coordination were identified as ones which might require the Department's contractor to take into consideration when making the determination of the means and methods that would be required to construct the proposed improvement. In some instances, the contractor will be responsible to notify the owner in advance of the work to take place so necessary staffing on the owner's part can be secured.

LOCATION	TYPE	DESCRIPTION	OWNER
Sta 105+00 SW Corner	Electric	Electric Cable	ComEd
Sta 103+50 to 106+60 East side of McCoy Drive	Electric	Electric Cable	ComEd
Sta 105+00 SW Corner	Storm Sewer	Storm Sewer 12"	City of Aurora
Sta 106+10 NW Corner	Water Main	Water Main 12"	City of Aurora
Sta 503+00 to Sta 505+40 North side of Cheshire Drive	Water Main	Water Main 8"	City of Aurora
Sta 503+00 to Sta 505+40 South side of Cheshire Drive	Gas	Gas Main	Nicor
Sta 105+00 SW Corner	Telecom	Telecom Cable	AT&T
Sta 106+00 NW Corner	Telecom	Telecom Cable	AT&T

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility.

Agency/Company Responsible to Resolve Conflict	Name of contact	Phone	E-mail address
City of Aurora	Michael Houston	630-256-3712	MHouston@aurora-il.org
AT&T Distribution	Richard Kopec	630-632-3148	rk1983@att.net
AT&T Transmission	Vanessa Ross	630-383-9249	Vf2021@att.net
Comcast	Martha Gieras	224-229-5862	Martha_gieras@cable.comcast.com
ComEd	Danielle Peteet	630-437-2159	Danielle.peteet@comed.com
Nicor	Saki Forah	630-388-3046	sforah@southernco.com

The above represents the best information available to the Department and is included for the convenience of the bidder. The days required for conflict resolution should be considered in the bid as this information has also been factored into the timeline identified for the project when setting the completion date. The applicable portions of the Standard Specifications for Road and Bridge Construction shall apply.

Estimated duration of time provided above for the first conflicts identified will begin on the date of the executed contract regardless of the status of the utility relocations. The responsible agencies will be working toward resolving subsequent conflicts in conjunction with contractor activities in the number of days noted.

The estimated relocation duration must be part of the progress schedule submitted by the contractor. A utility kickoff meeting will be scheduled between the Department, the Department's contractor and the utility companies when necessary. The Department's contractor is responsible for contacting J.U.L.I.E.

ITEMS ORDERED BY ENGINEER

When additional work not included in the contract, is requested in writing by the Engineer, this additional work shall be measured and paid for in accordance with Sections 104 and 109 of the IDOT Standard Specifications, as modified by these special provisions.

Payment for all additional work ordered by the Engineer in writing, which is deemed by the Engineer to be eligible for payment and is not covered by the contract, shall be made from the allowance included in the bid proposal under ITEMS ORDERED BY ENGINEER. The contractor shall not be entitled to any additional compensation in the event that utilization of this allowance, either in whole or in part, is not required to complete the work.

RESPONSIBILITY OF WORK

During the process of the work the Contractor shall assume total risk and liability, and will be responsible for any and all damages to the work, or to persons, or to public or private property caused by, or in any way resulting from doing the work, including actions of Subcontractors or Material Suppliers.

PUBLIC CONVENIENCE AND SAFETY (D1)

Effective: May 1, 2012
Revised: July 15, 2012

Add the following to the end of the fourth paragraph of Article 107.09:

"If the holiday is on a Saturday or Sunday, and is legally observed on a Friday or Monday, the length of Holiday Period for Monday or Friday shall apply."

Add the following sentence after the Holiday Period table in the fourth paragraph of Article 107.09:

"The Length of Holiday Period for Thanksgiving shall be from 5:00 AM the Wednesday prior to 11:59 PM the Sunday After"

Delete the fifth paragraph of Article 107.09 of the Standard Specifications:

"On weekends, excluding holidays, roadways with Average Daily Traffic of 25,000 or greater, all lanes shall be open to traffic from 3:00 P.M. Friday to midnight Sunday except where structure construction or major rehabilitation makes it impractical."

ADVANCED PUBLIC NOTIFICATION

Description.

This work shall consist of furnishing, installing, maintaining, and relocating changeable message signs for various stages of construction. Four (4) total signs will be required associated with the work.

The Contractor shall provide notice to the public a minimum of 2 weeks in advance of any work that requires the closure of lanes, signal turn on, and/or lane shifts through the use of a changeable message sign.

Basis of Payment.

This work will be paid as CHANGEABLE MESSAGE SIGN, SPECIAL in CALENDAR MONTHS.

WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within 35 working days.

80071

PERFORMANCE GUARANTEE OF WORK

If after the approval of final payment for each class of work and prior to the expiration of one (1) year after the date of approval of said final payment, or such longer period of time as may be prescribed by law or by terms of any applicable special guarantee required by the Contract Documents, any work is found to be defective, the Contractor shall promptly, without cost to the Owner and in accordance with written directions of the Owner, remove it from the site and replace it with non-defective work to the satisfaction of the Engineer.

Failure of the Contractor to complete or to remedy defective work within a reasonable time (not to exceed 30 days notice to Contractor in any event) shall be deemed a default and the Owner may take steps as it deems necessary to complete or remedy said work and charge the cost thereof to the Contractor.

RECORD DRAWINGS

The Contractor shall keep one (1) record copy of all Specifications, Drawings, Addenda, Modifications and Shop Drawings at the site in good order and annotated to show all changes made during the construction process. These documents shall be kept current at all times and will be subject to the Engineer's review prior to approval of partial payments. These shall be available to the Engineer and shall be delivered to him for the Owner upon completion of the Project. The Contractor's request for final payment will not be approved until said "record drawings" have been delivered to the Engineer.

The Contractor shall provide level, rod, etc. and laborer in assisting Engineer to verify changes. This work shall not be paid for separately, but shall be considered incidental to the Contract.

WORK DAYS AND HOURS

The allowed hours of work are between 7:00 AM and 7:00 PM, Monday through Friday, and between 8:00 AM and 5:00 PM on Saturdays. No work shall be done on Sunday or Holidays.

Equipment shall not be started before 6:45 AM.

PRE-CONSTRUCTION MEETING

A pre-construction meeting shall be held prior to start of construction after execution of the contract documents. The Resident Engineer shall establish the time and place of the pre-construction meeting. At this time, the Contractor shall be required to furnish and/or discuss the following:

- Written progress schedule/Completion Deadline.
- Names of Subcontractors and Material Suppliers.
- Names of Project Manager and/or Field Supervisor, including the name and phone number of a responsible individual who can be reached twenty-four (24) hours per day, seven (7) days per week.
- Notifications:
 - Notify City Engineer 72 hours prior to the commencement of any work.
 - Notify Water and Sewer Maintenance Division 48 hours prior to any water main shutdown.

- General cleanup of the work site at the end of each day. The Contractor must have a water meter and hoses, or water truck on site prior to the start of excavation.
- Granular trench backfill, method and equipment used for compaction.
- CCDD requirements/tickets
- Protection of existing pavement and placement of cold patch. The contractor must be prepared to place temporary pavement within the same day of removing the existing pavement.
- Driveway access
- Landscape restoration
- A J.U.L.I.E meet at the project site, scheduled by the Contractor, prior to commencement of any work.

Upon receipt of the notice of the award, the Contractor shall prepare a project schedule setting forth the hours and days of operation for each task required by the Contract. The project schedule shall be reviewed, and revised as required, and submitted with each payment request and/or request for extension of time.

NOTIFICATION

The Contractor shall notify the Resident Engineer a minimum of three (3) working days (72 hours) prior to starting any work on this contract, and a minimum of two (2) working days (48 hours) prior to starting each different type of work.

Parking

The Contractor shall supply and post "No Parking" signs on thirty-six inch (36") high lath every fifty feet (50'), two feet (2') from the back of curb or edge of pavement, at least two (2) working days (48 hours) prior to work in the affected area. The Contractor shall contact the City of Aurora Police Department prior to placing "No Parking" signs. "No Parking" signs only need to be installed in areas of existing parking.

The supply and posting of "No Parking" signs and all other notifications to various local agencies, residents, or businesses shall not be paid for separately, but shall be considered incidental to the project.

Roadway

The Contractor shall notify the Aurora Police and Fire Departments, the appropriate School District, and the Pace Bus Service twenty-four (24) hours prior to the closure of any road.

Water

Should it be necessary, the Contractor shall notify the City of Aurora's Water and Sewer Maintenance Department, at (630) 256-3710, to request a shut-down of existing water supply a minimum of forty-eight (48) hours in advance.

The Contractor shall hand deliver written notice to all residences and/or businesses a minimum of twenty-four (24) hours prior to shutting down water mains or affecting continuous water supply.

Sanitary

The Contractor shall make every effort to maintain sewer service usage throughout the duration of the project. In the event that a connection will be out of service, the longest period of no service shall be 8 hours. A public notification program shall be implemented, and shall as a minimum, require the Contractor to be responsible for contacting each home or business connected to the sanitary sewer and informing them of the work to be conducted, and when the sewer will be off-line. The Contractor shall also provide the following:

1. Written notice to be delivered to each home or business at least 48 hours prior to the

beginning of work being conducted on the section, and a local telephone number of the Contractor they can call to discuss the project or any potential problems.

2. Personal contact with any home or business, which cannot be reconnected within the time stated in the written notice.

SHOP DRAWINGS

When required in an individual Special Provisions or the Specifications, the Contractor shall submit "shop drawings" for the Engineer's review and approval as follows:

- A. Submit three (3) sets of drawings or other descriptive data to the Engineer for approval. Each submittal shall contain only those items specified in one specification section.
- B. Drawings or descriptive data will be stamped "No Exceptions Taken", "Make Corrections as Noted", "Revise and Resubmit", or "Rejected", and the drawings and transmittal letter marked accordingly. One copy of the drawings or descriptive data will be returned to the Contractor, one copy shall go to the Engineer's field representative, and one copy will stay at the Engineer's office.

Additional marked-up copies of the drawings or descriptive data required by the Contractor will be made by the Contractor.

- C. If a drawing or other data is stamped "No Exceptions Taken", the Contractor shall transmit six complete sets of data to the Engineer together with a new copy of a letter of transmittal containing substantially the same information as described in Instruction A above.

The Engineer will then mark-up all six sets and send one to the Engineer's field representative, keep one in the home office, send one to the Owner, and return three to the Contractor. Subsequently, all copies of these documents used in the work shall bear this stamp.

- D. If a drawing or other data is stamped "Make Corrections Noted", the Contractor shall make the corrections indicated and proceed as in Instruction C above.
- E. If a drawing or data is stamped "Revise and Resubmit", the Contractor shall make the necessary corrections and resubmit the documents as set forth in Instruction A above.
- F. If a drawing or data is stamped "Rejected", the Contractor shall proceed as in Instruction A. above, with new submittals.
- G. The Contractor shall revise and resubmit the working drawings as required by the Engineer, until they are stamped "No Exceptions Taken".
- H. The Contractor shall have no claim for damages or extension of time on account of any delay in the work resulting from the rejection of material or from revision or resubmittal of drawings and other data for review.
- I. The Engineer shall only review a shop drawing a maximum of two times at no cost to the Contractor. The second submittal should be sufficiently complete to be marked "No Exceptions Taken". If more than two submittals are required to reach the "No Exception Taken" stage, the cost of review of the submittals will be paid by the Contractor at a rate of \$125.00 per hour.

TRAFFIC CONTROL PLAN (D1)

Effective: September 30, 1985
Revised: January 1, 2007

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the District One Bureau of Traffic at least 72 hours in advance of beginning work.

STANDARDS:

701101-05, 701701-10, 701801-06, 701901-09

DETAILS:

TC-10 (Traffic Control and Protection for Side Roads, Intersections, and Driveways)
TC-13 (District One Typical Pavement Markings)
TC-16 (Pavement Marking Letters and Symbols for Traffic Staging)
TC-22 (Arterial Road Information Sign)

SPECIAL PROVISIONS:

Maintenance of Roadways
Advanced Public Notification
Temporary Information Signing
Work Zone Traffic Control Surveillance (LRS #3)
Vehicle and Equipment Warning Lights (BDE 80439)
Work Zone Traffic Control Devices (BDE 80427)

SPRINKLER SYSTEM REPLACEMENT

Description: This work shall consist of replacing any existing sprinkler system equipment that gets disrupted during construction and restoring the system to a working condition to the satisfaction of the Engineer.

Method of Measurement: This work will not be measured separately for payment.

Basis of Payment: This work shall be considered included in the unit costs bid for various removal items. No additional compensation will be allowed for replacement.

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH

Description.

This work shall be done in accordance with Section 424 of the Standard Specifications and the concrete shall meet the requirements of Class SI concrete.

Add the following to Article 424.04:

"Sidewalk shall include the installation of Portland Cement Concrete sidewalk to a minimum thickness of five inches (5"), six inches (6") across private entrances, and eight inches (8") across the water treatment plant entrances. The Contractor shall fill the voids created by the removal of sidewalk at the location of the driveways with crushed aggregate so that the residents can use their driveways until the

start of sidewalk replacement operations. If filling is required in the sidewalk subgrade, it shall consist of placing and compacting an approved granular material to the satisfaction of the Engineer as included in the cost of the sidewalk installation.”

Add the following to Article 424.06:

“No stamps advertising the Contractor, construction companies, or other private concerns shall be placed in the concrete.”

Add the following to Article 424.08:

“Any parkway area disturbed shall be restored in kind.”

Add the following to Article 424.10

“At sidewalk ramp locations side curbs or flares may be required to meet ADA requirements. When a flare or curb is constructed it shall meet the three foot (3’) minimum curb transition.”

Measurement and Basis of Payment.

This work will be paid for at the contract unit price per SQUARE FOOT for PORTLAND CEMENT CONCRETE SIDEWALK, of the depth specified, which price shall include thickened slab across entrances, all equipment, labor and materials required to complete the work as shown on the plans and as described herein.

DETECTABLE WARNINGS

This work shall consist of the installation of pre-fabricated panel of truncated domes twenty-four inches (24”) wide on concrete sidewalk accessibility ramps at locations as directed by the Engineer.

Truncated domes shall be in accordance with Article 424.09 of the Standard Specifications. The domes shall parallel the pavement crosswalk in accordance with the latest Highway Standard. The panel shall be Red. The panel shall meet the requirements of ASTM C1028 – Slip Resistance and ASTM G155 – Accelerated Weathering.

The Detectable Warning Panel shall be of the following products:

ADA Solutions, Inc. Cast-in-Place available from
Stetsons Building Products, Inc.
2425 20th Street
Rockford, IL 61104
Phone: (800) 383-2181

The product and method used for installing detectable warnings shall come with the following documents which shall be given to the Engineer prior to installation:

- (a) Manufacturer’s certification stating the product is fully compliant with ADAAG.
- (b) Manufacturer’s specifications stating the required materials, equipment, installation procedures and conformance to ASTM C1028

This work will be paid for at the contract unit price per SQUARE FOOT for DETECTABLE WARNINGS.

MAST ARM SIGN PANELS

Effective: May 22, 2002
Revised: July 1, 2015
720.01TS

Add the following to Article 720.02 of the Standard Specifications:

Sign stiffening channel systems shall be aluminum and meet the requirements of ASTM 6261-T5. Sign mounting banding, buckles and buckle straps shall be manufactured from AISI 201 stainless steel.

TRAFFIC SIGNAL GENERAL REQUIREMENTS

These Traffic Signal Special Provisions and the "District One Standard Traffic Signal Design Details" supplement the requirements of the State of Illinois "Standard Specifications for Road and Bridge Construction." The intent of these Special Provisions is to prescribe the materials and construction methods commonly used for traffic signal installations.

- All material furnished shall be new unless otherwise noted herein.
- Traffic signal construction and maintenance work shall be performed by personnel holding current IMSA Traffic Signal Technician Level II certification. A copy of the certification shall be immediately available upon request of the Engineer.
- The work to be done under this contract consists of furnishing, installing and maintaining all traffic signal work and items as specified in the Plans and as specified herein in a manner acceptable and approved by the Engineer.

Definitions of Terms.

Add the following to Section 101 of the Standard Specifications:

101.56 Vendor. Company that sells a particular type of product directly to the contractor or the Equipment Supplier.

101.57 Equipment supplier. Company that supplies, represents and provides technical support for IDOT District One approved traffic signal controllers and other related equipment. The Equipment Supplier shall be located within IDOT District One and shall:

- Be full service with on-site facilities to assemble, test and trouble-shoot traffic signal controllers and cabinet assemblies.
- Maintain an inventory of IDOT District One approved controllers and cabinets.
- Be staffed with permanent sales and technical personnel able to provide traffic signal controller and cabinet expertise and support.
- Technical staff shall hold current IMSA Traffic Signal Technician Level III certification and shall attend traffic signal turn-ons and inspections with a minimum 14 calendar day notice.

Submittals.

Revise Article 801.05 of the Standard Specifications to read:

All material approval requests shall be submitted electronically through the District's SharePoint System unless directed otherwise by the Engineer. Electronic material submittals shall follow the District's Traffic Operations Construction Submittals guidelines. General requirements include:

1. All material approval requests shall be made prior to or no later than the date of the preconstruction meeting. A list of major traffic signal items can be found in Article 801.05. Material or equipment which is similar or identical shall be the product of the same manufacturer, unless necessary for system continuity. Traffic signal materials and equipment shall bear the U.L. label whenever such labeling is available.
2. Product data and shop drawings shall be assembled by pay item. Only the top sheet of each pay item submittal will be stamped by the Department with the review status, except shop drawings for

3. mast arm pole assemblies and the like will be stamped with the review status on each sheet. Original manufacturer published product data and shop drawing sheets with legible dimensions and details shall be submitted for review.
4. When hard copy submittals are necessary, four complete copies of the manufacturer's descriptive literatures and technical data for the traffic signal materials shall be submitted. For hard copy or electronic submittals, the descriptive literature and technical data shall be adequate for determining whether the materials meet the requirements of the plans and specifications. If the literature contains more than one item, the Contractor shall indicate which item or items will be furnished.
5. When hard copy submittals are necessary for structural elements, four complete copies of the shop drawings for the mast arm assemblies and poles, and the combination mast arm assemblies and poles showing, in detail, the fabrication thereof and the certified mill analyses of the materials used in the fabrication, anchor rods, and reinforcing materials shall be submitted.
6. Partial or incomplete submittals will be returned without review.
7. Certain non-standard mast arm poles and special structural elements will require additional review from IDOT's Central Office. Examples include ornamental/decorative, non-standard length mast arm pole assemblies and monotube structures. The Contractor shall account for the additional review time in his schedule.
8. The contract number or permit number, project location/limits and corresponding pay code number must be on each sheet of correspondence, catalog cuts and mast arm poles and assemblies drawings.
9. Where certifications and/or warranties are specified, the information submitted for approval shall include certifications and warranties. Certifications involving inspections, and/or tests of material shall be complete with all test data, dates, and times.
10. After the Engineer reviews the submittals for conformance with the design concept of the project, the Engineer will stamp the drawings indicating their status as 'Approved', 'Approved-As-Noted', 'Disapproved', or 'Incomplete'. Since the Engineer's review is for conformance with the design concept only, it is the Contractor's responsibility to coordinate the various items into a working system as specified. The Contractor shall not be relieved from responsibility for errors or omissions in the shop, working, layout drawings, or other documents by the Department's approval thereof. The Contractor must still be in full compliance with contract and specification requirements.
11. The Contractor shall secure approved materials in a timely manner to assure construction schedules are not delayed.
12. All submitted items reviewed and marked 'APPROVED AS NOTED', 'DISAPPROVED', or 'INCOMPLETE' are to be resubmitted in their entirety, unless otherwise indicated within the submittal comments, with a disposition of previous comments to verify contract compliance at no additional cost to the contract.
13. Exceptions to and deviations from the requirements of the Contract Documents will not be allowed. It is the Contractor's responsibility to note any deviations from Contract requirements at the time of submittal and to make any requests for deviations in writing to the Engineer. In general, substitutions will not be acceptable. Requests for substitutions must demonstrate that the proposed substitution is superior to the material or equipment required by the Contract Documents. No exceptions, deviations or substitutions will be permitted without the approval of the Engineer.
14. Contractor shall not order major equipment such as mast arm assemblies prior to Engineer approval of the Contractor marked proposed traffic signal equipment locations to assure proper placement of contract required traffic signal displays, push buttons and other facilities. Field adjustments may require changes in proposed mast arm length and other coordination.

Marking Proposed Locations.

Revise "Marking Proposed Locations for Highway Lighting System" of Article 801.09 to read "Marking Proposed Locations for Highway Lighting System and Traffic Signals."

Add the following to Article 801.09 of the Standard Specifications:

It shall be the contractor's responsibility to verify all dimensions and conditions existing in the field prior to ordering materials and beginning construction. This shall include locating the mast arm foundations and verifying the mast arms lengths.

Inspection of Electrical Systems.

Add the following to Article 801.10 of the Standard Specifications:

- (c) All cabinets including temporary traffic signal cabinets shall be assembled by an approved equipment supplier in District One. The Department reserves the right to request any controller and cabinet to be tested at the equipment supplier's facility prior to field installation, at no extra cost to this contract.

Maintenance and Responsibility.

Revise Article 801.11 of the Standard Specifications to read:

- a. Existing traffic signal installations and/or any electrical facilities at all or various locations may be altered or reconstructed totally or partially as part of the work on this Contract. The Contractor is hereby advised that all traffic control equipment, presently installed at these locations, may be the property of the State of Illinois, Department of Transportation, Division of Highways, County, Private Developer, Municipality or Transit Agency in which they are located. Once the Contractor has begun any work on any portion of the project, all traffic signals within the limits of this contract or those which have the item "Maintenance of Existing Traffic Signal Installation," "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation," shall become the full responsibility of the Contractor. The Contractor shall supply the Engineer, Area Traffic Signal Maintenance and Operations Engineer, IDOT ComCenter and the Department's Electrical Maintenance Contractor with two 24-hour emergency contact names and telephone numbers.
- b. Automatic Traffic Enforcement equipment such as red lighting running and railroad crossing camera systems are owned and operated by others and the Contractor shall not be responsible for maintaining this equipment.
- c. Regional transit, County and other agencies may also have equipment connected to existing traffic signal or peripheral equipment such as PTZ cameras, switches, transit signal priority (TSP and BRT) servers and other devices that shall be included with traffic signal maintenance at no additional cost to the contract.
- d. When the project has a pay item for "Maintenance of Existing Traffic Signal Installation," "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation," the Contractor must notify both the Area Traffic Signal Maintenance and Operations Engineer and the Department's Electrical Maintenance Contractor, of their intent to begin any physical construction work on the Contract or any portion thereof. This notification must be made a minimum of seven (7) working days prior to the start of construction to allow sufficient time for inspection of the existing traffic signal installation(s) and transfer of maintenance to the Contractor. The Department will attempt to full-fill the Contractor's inspection date request(s), however workload and other conditions may prevent the Department from accommodating specific dates or times. The Contractor shall not be entitled to any other compensation if the requested inspection date(s) cannot be scheduled by the Department. If work is started prior to an inspection, maintenance of the traffic signal installation(s) will be transferred to the Contractor without an inspection. The Contractor will become responsible for repairing or replacing all equipment that is not operating properly or is damaged at no cost to the owner of the traffic signal. Final repairs or replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal installation will not be accepted.
- e. The Contractor is advised that the existing and/or temporary traffic signal installation must remain in operation during all construction stages, except for the most essential down time. Any shutdown of the traffic signal installation, which exceeds fifteen (15) minutes, must have prior approval of the Engineer. Approval to shut down the traffic signal installation will only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Shutdowns shall not be allowed during inclement weather or holiday periods.

- f. The Contractor shall be fully responsible for the safe and efficient operation of the traffic signals and other equipment noted herein. Any inquiry, complaint or request by the Department, the Department's Electrical Maintenance Contractor or the public, shall be investigated and repairs begun within one hour. Failure to provide this service will result in liquidated damages of \$1000 per day per occurrence. In addition, the Department reserves the right to assign any work not completed within this timeframe to the Electrical Maintenance Contractor. All costs associated to repair this uncompleted work shall be the responsibility of the Contractor. Failure to pay these costs to the Electrical Maintenance Contractor within one month after the incident will result in additional liquidated damages of \$1000 per month per occurrence. Unpaid bills will be deducted from the cost of the Contract. The Department may inspect any signaling device on the Department's highway system at any time without notification.
- g. Any proposed activity in the vicinity of a highway-rail grade crossing must adhere to the guidelines set forth in the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) regarding work in temporary traffic control zones in the vicinity of highway-rail grade crossings which states that lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the railroad tracks. If the queuing of vehicles across the tracks cannot be avoided, a uniformed law enforcement officer or flagger shall be provided at the crossing to prevent vehicles from stopping on the tracks, even if automatic warning devices are in place.
- h. The Contractor shall be responsible to clear snow, ice, dirt, debris or other condition that obstructs visibility of any traffic signal display or access to traffic signal equipment.
- i. The Contractor shall maintain the traffic signal in normal operation during short or long term loss of utility or battery back-up power at critical locations designated by the Engineer. Critical locations may include traffic signals interconnected to railroad warning devices, expressway ramps, intersection with an SRA route, critical corridors or other locations identified by the Engineer. Temporary power to the traffic signal must meet applicable NEC and OSHA guidelines and may include portable generators and/or replacement batteries. Temporary power to critical locations shall not be for separately but shall be included in the contract.

Damage to Traffic Signal System.

Add the following to Article 801.12(b) of the Standard Specifications to read:

Any traffic signal control equipment damaged or not operating properly from any cause shall be replaced with new equipment meeting current District One traffic signal specifications and provided by the Contractor at no additional cost to the Contract and/or owner of the traffic signal system, all as approved by the Engineer. Final replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal installation will not be accepted. Cable splices are only allowed at the bases of post and mast arms.

Temporary replacement of damaged or knockdown of a mast arm pole assembly shall require construction of a full or partial span wire signal installation or other method approved by the Engineer to assure signal heads are located overhead and over traveled pavement. Temporary replacement of mast arm mount signals with post mount signals will not be permitted.

Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause, shall be the responsibility of the municipality or the Automatic Traffic Enforcement company per Permit agreement.

Traffic Signal Inspection (TURN-ON).

Revise Article 801.15(b) of the Standard Specifications to read:

It is the intent to have all electric work completed and equipment field tested by the Equipment Supplier prior to the Department's "turn-on" field inspection. If in the event the Engineer determines work is not complete and the inspection will require more than two (2) hours to complete, the inspection shall be canceled and the Contractor will be required to reschedule at another date. The maintenance of the traffic signals will not be accepted until all punch list work is corrected and re-inspected.

When the road is open to traffic, except as otherwise provided in Section 850 of the Standard Specifications, the Contractor may request a turn-on and inspection of the completed traffic signal installation at each separate location. This request must be made to the Area Traffic Signal Maintenance and Operations Engineer at (847) 705-4424 a minimum of seven (7) working days prior to the time of the requested inspection. The Department will attempt to full-fill the Contractor's turn-on and inspection date request(s), however workload and other conditions may prevent the Department from accommodating specific dates or times. The Contractor shall not be entitled to any other compensation if the requested turn-on and inspection date(s) cannot be scheduled by the Department. The Department will not grant a field inspection until written or electronic notification is provided from the Contractor that the equipment has been field tested and the intersection is operating according to Contract requirements. The Contractor must invite local fire department personnel to the turn-on when Emergency Vehicle Preemption (EVP) is included in the project. When the contract includes the item RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, OPTIMIZE TRAFFIC SIGNAL SYSTEM, or TEMPORARY TRAFFIC SIGNAL TIMINGS, the Contractor must notify the SCAT Consultant of the turn-on/detour implementation schedule, as well as stage changes and phase changes during construction.

The Contractor must have all traffic signal work completed and the electrical service installation connected by the utility company prior to requesting an inspection and turn-on of the traffic signal installation. The Contractor shall be responsible to provide a police officer to assist with traffic control at the time of testing.

The Contractor shall provide a representative from the control equipment vendor's office who is knowledgeable of the cabinet design and controller functions to attend the traffic signal inspection for both permanent and temporary traffic signal turn-ons.

Upon demonstration that the signals are operating and all work is completed in accordance with the Contract and to the satisfaction of the Engineer, the Engineer will then allow the signals to be placed in continuous operation. The Agency that is responsible for the maintenance of each traffic signal installation will assume the maintenance upon successful completion of this inspection.

The District requires the following Final Project Documentation from the Contractor at traffic signal turn-ons in electronic format in addition to hard copies where noted. A CD/DVD shall be submitted with separate folders corresponding to each numbered title below. The CD/DVD shall be labelled with date, project location, company and contract or permit number. Record Drawings, Inventory and Material Approvals shall be submitted prior to traffic signal turn-on for review by the Department as described here-in.

Final Project Documentation:

1. Record Drawings. Signal plans of record with field revisions marked in red ink. One hard copy set of 11"x17" record drawings shall also be provided.
2. Inventory. Inventory of new and existing traffic signal equipment including cabinet types and devices within cabinets in an Excel spread sheet format. One hard copy shall also be provided.
3. Pictures. Digital pictures of a minimum 12M pixels of each intersection approach showing all traffic signal displays and equipment. Pictures shall include controller cabinet equipment in enough detail to clearly identify manufacture and model of major equipment.
4. Field Testing. Written notification from the Contractor and the equipment vendor of satisfactory field testing with corresponding material performance measurements, such as for detector loops and fiber optic systems (see Article 801.13). One hard copy of all contract required performance measurement testing shall also be provided.
5. Materials Approval. The material approval letter. A hard copy shall also be provided.

6. Manuals. Operation and service manuals of the signal controller and associated control equipment. One hard copy shall also be provided.
7. Cabinet Wiring Diagram and Cable Logs. Five (5) hard copies 11" x 17" of the cabinet wiring diagrams shall be provided along with electronic pdf and dgn files of the cabinet wiring diagram. Five hard copies of the cable logs and electronic excel files shall be provided with cable #, number of conductors and spares, connected device/signal head and intersection location.
8. Controller Programming Settings. The traffic signal controller's timings; backup timings; coordination splits, offsets, and cycles; TBC Time of Day, Week and Year Programs; Traffic Responsive Program, Detector Phase Assignment, Type and Detector Switching; and any other functions programmable from the keyboard. The controller manufacturer shall also supply a printed form, not to exceed 11" x 17" for recording that data noted above. The form shall include a location, date, manufacturer's name, controller model and software version. The form shall be approved by the Engineer and a minimum of three (3) copies must be furnished at each turn-on. The manufacturer must provide all programming information used within the controller at the time of turn-on.
9. Warrantees and Guarantees. All manufacturer and contractor warrantees and guarantees required by Article 801.14.
10. GPS coordinate of traffic signal equipment as describe in the Record Drawings section herein.

Acceptance of the traffic signal equipment by the Department shall be based upon inspection results at the traffic signal "turn on", completeness of the required documentation and successful operation during a minimum 72 hour "burn-in" period following activation of the traffic signal. If approved, traffic signal acceptance shall be verbal at the "turn on" inspection followed by written correspondence from the Engineer. The Contractor shall be responsible for all traffic signal equipment and associated maintenance thereof until Departmental acceptance is granted.

All equipment and/or parts to keep the traffic signal installation operating shall be furnished by the Contractor. No spare traffic signal equipment is available from the Department.

All punch list work shall be completed within two (2) weeks after the final inspection. The Contractor shall notify the Electrical Maintenance Contractor to inspect all punch list work. Failure to meet these time constraints shall result in liquidated damage charges of \$500 per month per incident.

All cost of work and materials required to comply with the above requirements shall be included in the pay item bid prices, under which the subject materials and signal equipment are paid, and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements shall be subject to removal and disposal at the Contractor's expense.

Record Drawings.

The requirements listed for Electrical Installation shall apply for Traffic Signal Installations in Article 801.16. Revise the 2nd paragraph of Article 801.16 of the Standard Specifications to read:

"When the work is complete, and seven days before the request for a final inspection, the reduced-size set of contract drawings, stamped "RECORD DRAWINGS", shall be submitted to the Engineer for review and approval and shall be stamped with the date and the signature of the Contractor's supervising Engineer or electrician. The record drawings shall be submitted in PDF format on CDROM as well as hardcopy for review and approval. If the contract consists of multiple intersections, each intersection shall be saved as an individual PDF file with TS# and location name in its file name.

In addition to the record drawings, copies of the final catalog cuts which have been Approved or Approved as Noted shall be submitted in PDF format along with the record drawings. The PDF files shall clearly indicate the pay item either by filename or PDF Table of Contents referencing the respective pay item number for multi-item PDF files. Specific part or model numbers of items which have been selected shall be clearly visible."

As part of the record drawings, the Contractor shall inventory all traffic signal equipment, new or existing, on the project and record information in an Excel spreadsheet. The inventory shall include equipment type, model numbers, software manufacturer and version and quantities.

Add the following to Article 801.16 of the Standard Specifications:

"In addition to the specified record drawings, the Contractor shall record GPS coordinates of the following traffic signal components being installed, modified or being affected in other ways by this contract:

- All Mast Arm Poles and Posts
- Traffic Signal Wood Poles
- Rail Road Bungalow
- UPS
- Handholes
- Conduit roadway crossings
- Controller Cabinets
- Communication Cabinets
- Electric Service Disconnect locations
- CCTV Camera installations
- Fiber Optic Splice Locations
- Conduit Crossings

Datum to be used shall be North American 1983.

Data shall be provided electronically and in print form. The electronic format shall be compatible with MS Excel. Latitude and Longitude shall be in decimal degrees with a minimum of 6 decimal places. Each coordinate shall have the following information:

- File shall be named: TSXXX-YY-MM-DD (i.e. TS22157_15-01-01)
- Each intersection shall have its own file
- Row 1 should have the location name (i.e. IL 31 @ Klausen)
- Row 2 is blank
- Row 3 is the headers for the columns
- Row 4 starts the data
- Column A (Date) – should be in the following format: MM/DD/YYYY
- Column B (Item) – as shown in the table below
- Column C (Description) – as shown in the table below
- Column D and E (GPS Data) – should be in decimal form, per the IDOT special provisions

Examples:

Date	Item	Description	Latitude	Longitude
01/01/2015	MP (Mast Arm Pole)	NEQ, NB, Dual, Combination Pole	41.580493	- 87.793378
01/01/2015	HH (Handhole)	Heavy Duty, Fiber, Intersection, Double	41.558532	- 87.792571
01/01/2015	ES (Electrical Service)	Ground mount, Pole mount	41.765532	- 87.543571
01/01/2015	CC (Controller Cabinet)		41.602248	- 87.794053
01/01/2015	RSC (Rigid Steel	IL 31 east side	41.611111	-

	Crossing)	crossing south leg to center HH at Klausen		87.790222
01/01/2015	PTZ (PTZ)	NEQ extension pole	41.593434	- 87.769876
01/01/2015	POST (Post)		41.651848	- 87.762053
01/01/2015	MCC (Master Controller Cabinet)		41.584593	- 87.793378
01/01/2015	COMC (Communication Cabinet)		41.584600	- 87.793432
01/01/2015	BBS (Battery Backup System)		41.558532	- 87.792571
01/01/2015	CNCR (Conduit Crossing)	4-inch IL 31 n/o of Klausen	41.588888	- 87.794440

Prior to the collection of data, the contractor shall provide a sample data collection of at least six data points of known locations to be reviewed and verified by the Engineer to be accurate within 1 foot. Upon verification, data collection can begin. Data collection can be made as construction progresses, or can be collected after all items are installed. If the data is unacceptable the contractor shall make corrections to the data collection equipment and or process and submit the data for review and approval as specified.

Accuracy. Data collected is to be mapping grade. A handheld mapping grade GPS device shall be used for the data collection. The receiver shall support differential correction and data shall have a minimum 1 foot accuracy after post processing.

GPS receivers integrated into cellular communication devices, recreational and automotive GPS devices are not acceptable.

The GPS shall be the product of an established major GPS manufacturer having been in the business for a minimum of 6 years.”

Delete the last sentence of the 3rd paragraph of Article 801.16.

Locating Underground Facilities.

Revise Section 803 to the Standard Specifications to read:

IDOT traffic signal facilities are not part of any of the one-call locating service such as J.U.L.I.E or Digger. If this Contract requires the services of an Electrical Contractor, the Contractor shall be responsible at his/her own expense for locating existing IDOT electrical facilities prior to performing any work. If this Contract does not require the services of an Electrical Contractor, the Contractor may request one free locate for existing IDOT electrical facilities from the District One Electrical Maintenance Contractor prior to the start of any work. Additional requests may be at the expense of the Contractor. The location of underground traffic facilities does not relieve the Contractor of their responsibility to repair any facilities damaged during construction at their expense.

The exact location of all utilities shall be field verified by the Contractor before the installation of any components of the traffic signal system. For locations of utilities, locally owned equipment, and leased enforcement camera system facilities, the local Counties or Municipalities may need to be contacted: in the City of Chicago contact Digger at (312) 744-7000 and for all other locations contact J.U.L.I.E. at 1-800-892-0123 or 811.

Restoration of Work Area.

Add the following article to Section 801 of the Standard Specifications:

801.17 Restoration of work area. Restoration of the traffic signal work area shall be included in the related pay items such as foundation, conduit, handhole, underground raceways, etc. All roadway surfaces such as shoulders, medians, sidewalks, pavement, etc. shall be replaced in kind. All damage to mowed lawns shall be replaced with an approved sod, and all damage to unmowed fields shall be seeded. All brick pavers disturbed in the work area shall be restored to their original configuration as directed by the Engineer. All damaged brick pavers shall be replaced with a comparable material approved by the Engineer. Restoration of the work area shall be included in the contract without any extra compensation allowed to the Contractor.

The excavation within this project shall be minimized as much as possible, and the spoils from the excavation shall be reworked into the existing ground. The disturbed areas be restored in accordance with the specifications of this project and to the satisfaction of the engineer. This work will not be paid for separately, but shall be considered as included in the unit bid prices of the contract, and no additional compensation will be allowed.

Bagging Signal Heads.

Light tan colored traffic and pedestrian signal reusable covers shall be used to cover dark/un-energized signal sections and visors. Covers shall be made of outdoor fabric with urethane coating for repelling water, have elastic fully sewn around the cover ends for a tight fit over the visor, and have a minimum of two straps with buckles to secure the cover to the backplate. A center mesh strip allows viewing without removal for signal status testing purposes. Covers shall include a message indicating the signal is not in service.

SERVICE INSTALLATION (traffic signals)

Effective: May 22, 2002

Revised: March 1, 2024

805.01TS

Revise Section 805 of the Standard Specifications to read:

Description.

This work shall consist of all materials and labor required to install, modify, or extend the electric service installation. All installations shall meet the requirements of the "District One Standard Traffic Signal Design Details".

General.

The electric service installation shall be the electric service disconnecting means and it shall be identified as suitable for use as service equipment.

The electric utility contact information is noted on the plans and represents the current information at the time of Contract preparation. The Contractor must request in writing for service and/or service modification within ten (10) days of Contract award and must follow-up with the electric utility to assure all necessary documents and payment are received by the utility. The Contractor shall forward copies of all correspondence between the Contractor and utility company to the Engineer and Area Traffic Signal Maintenance and Operations Engineer. The service agreement and sketch shall be submitted for signature to the IDOT's Traffic Operations Programs Engineer.

Materials.

- a. General. The completed control panel shall be constructed in accordance with UL Std. 508A, Industrial Control Panel, and carry the UL label. Wire terminations shall be UL listed.
- b. Enclosures.
 - (1) Pole Mounted Cabinet. The cabinet shall be UL 50, NEMA Type 4X, unfinished single door design, fabricated from minimum 0.080 in. (2.03 mm) thick Type 5052 H-32 aluminum.

Seams shall be continuous welded and ground smooth. Stainless steel screws and clamps shall secure the cover and assure a watertight seal. The cover shall be removable by pulling the continuous stainless steel hinge pin. The cabinet shall have an oil-resistant gasket and a lock kit shall be provided with an internal O-ring in the locking mechanism assuring a watertight and dust-tight seal. The cabinet shall be sized to adequately house all required components with extra space for arrangement and termination of wiring. A minimum size of 14 in. (350 mm) high, 9 in. (225 mm) wide and 8 in. (200 mm) in depth is required. The cabinet shall be channel mounted to a wooden utility pole using assemblies recommended by the Vendor.

- (2) Ground Mounted Cabinet. The cabinet shall be UL 50, NEMA Type 3R unfinished single door design with back panel. The cabinet shall be fabricated from Type 5052 H-32 aluminum with the frame and door 0.125 in. (3.175 mm) thick, the top 0.250 in. (6.350 mm) thick and the bottom 0.500-inch (12.70 mm) thick. Seams shall be continuous welded and ground smooth. The door and door opening shall be double flanged. The door shall be approximately 80% of the front surface, with a full length tamperproof stainless steel .075 in. (1.91 mm) thick hinge bolted to the cabinet with stainless steel carriage bolts and nylock nuts. The locking mechanism shall be slam-latch type with a keyhole cover. The cabinet shall be sized to adequately house all required components with extra space for arrangement and termination of wiring. A minimum size of 40 in. (1000 mm) high, 16 in. (400 mm) wide and 15 in. (375 mm) in depth is required. The cabinet shall be mounted upon a Type A concrete foundation as indicated on the plans. The foundation is paid for separately.
 - (3) All enclosures shall include a green external power indicator LED light with circuitry as shown in the Electrical Service-Panel Diagram detail sheet. For pole mounted service enclosures, the power indicator light shall be mounted as shown in the detail. For ground mounted enclosures, the power indicator light shall be mounted on the side of the enclosure most visible from the major roadway.
- (c) Electric Utility Meter Housing and Riser. The electric meter housing and meter socket shall be supplied and installed by the Contractor. The Contractor is to coordinate the work to be performed and the materials required with the utility company to make the final connection at the power source. Electric utility required risers, weather/service head, and any other materials necessary for connection shall also be included in the pay item. Materials shall be in accordance with the electric utility's requirements. For ground-mounted service, the electric utility meter housing shall be mounted to the enclosure. The meter shall be supplied by the utility company.
 - (d) Surge Protector. Overvoltage protection, with LED indicator, shall be provided for the 120 V load circuit by the means MOV and thermal fusing technology. The response time shall be < 5 ns and operate within a range of -40°C to +85°C. The surge protector shall be UL 1449 Listed.
 - (e) Circuit Breakers. Circuit breakers shall be standard UL listed molded case, thermal-magnetic bolt-on type circuit breakers with trip free indicating handles. 120 V circuit breakers shall have an interrupting rating of not less than 65,000 rms symmetrical amperes. Unless otherwise indicated, the main disconnect circuit breaker for the traffic signal controller shall be rated 60 A, 120 V and the auxiliary circuit breakers shall be rated 10 A, 120 V.
 - (f) Fuses and Fuseholders. Fuses shall be small-dimensional cylindrical fuses of the dual element time-delay type. The fuses shall be rated for 600 VAC and shall have a UL listed interrupting rating of not less than 10,000 rms symmetrical amperes at rated voltage.
 - (g) Ground and Neutral Bus Bars. A single copper ground and neutral bus bar, mounted on the equipment panel shall be provided. Ground and neutral conductors shall be separated on the bus bar. Compression lugs, plus 2 spare lugs, shall be sized to accommodate the cables with

the heads of the connector screws painted green for ground connections and white for neutral connections.

- (h) Utility Services Connection. The Contractor shall notify the utility company marketing representative a minimum of thirty (30) working days prior to the anticipated date of hook-up. This 30-day advance notification will begin only after the utility company marketing representative has received service charge payments from the Contractor. Prior to contacting the utility company marketing representative for service connection, the service installation controller cabinet and cable must be installed for inspection by the utility company.
- (i) Ground Rod. Ground rods shall be copper-clad steel, a minimum of 10 ft (3.0m) in length, and 3/4 in. (20mm) in diameter. Ground rod resistance measurements to ground shall be 25 ohms or less. If necessary additional rods shall be installed to meet resistance requirements at no additional cost to the Contract.

Installation.

- a. General. The Contractor shall confirm the orientation of the traffic service installation and its door side with the Engineer prior to installation. All conduit entrances into the service installation shall be sealed with a pliable waterproof material.
- b. Pole Mounted. Brackets designed for pole mounting shall be used. All mounting hardware shall be stainless steel. Mounting height shall be as noted on the plans or as directed by the Engineer.
- c. Ground Mounted. The service installation shall be mounted plumb and level on the foundation and fastened to the anchor bolts with hot-dipped galvanized or stainless steel nuts and washers. The space between the bottom of the enclosure and the top of the foundation shall be caulked at the base with silicone.

Basis of Payment.

The service installation shall be paid for at the Contract unit price each for SERVICE INSTALLATION of the type specified which shall be payment in full for furnishing and installing the service installation complete. The CONCRETE FOUNDATION, TYPE A, which includes the ground rod, shall be paid for separately. SERVICE INSTALLATION, POLE MOUNTED shall include the 3/4 in. (20mm) grounding conduit, ground rod, and pole mount assembly. Any charges by the utility companies shall be approved by the Engineer and paid for as an addition to the Contract according to Article 109.05 of the Standard Specifications.

CENTRALIZED SYSTEM FIELD INTEGRATION/SETUP

Description.

This work shall consist of the ensuring communication, integration and setup for field devices with the City's Centralized Transportation Management System (CTMS)/IT network to the satisfaction of the Engineer. This work shall include, but shall not be limited to, the following:

- All necessary fiber optic cable connections, terminations, splicing (at new and existing signal cabinets, handholes (Aurora IT and Traffic) and Aurora offices) to communicate with all devices (including but not limited to switches, cameras, controllers, UPS, servers, digi, media converters, EVP equipment/processor, other detection devices)
- Provide necessary fiber optic jumpers, transceivers and transceiver related equipment, modems, digi(s), boards (FOI or others), power supplies, panel enclosures, bulkheads and/or splice enclosures in traffic signal cabinets and handholes as specified by the Engineer
- Set address/IP address for devices according to City of Aurora IP scheme
- Establish communications between the Terminal Server/Ethernet Switch and the CTMS;
- Integrate the operation of the proposed interconnect system into the CTMS;

- Integrate the operation of the EVP equipment at each intersection into the Centralized EVP Management System within the CTMS;
- Ensure transmission of all video data (PTZ Camera, Video Detection Cameras) as well as all traffic related Ethernet capable devices (UPS, MMU, Controller, Radio Devices, Detection Systems-Radar, Pods, etc.) to the Centralized Transportation Management System and integration of that video into the City's Smart Traffic Monitoring System; and
- Upgrade the City of Aurora's existing fiber optic ring using SFP Modules, to provide communication protection via redundancy
- Provide and install cellular modem for video and data transmission to the City's Centralized Transportation Management System, Contractor will be financially responsible for providing 5 years of service/warranty with the cellular and supplier provider as well as providing all necessary hardware, cabling and software.

Basis of Payment.

This work will be paid for at the lump sum price for CENTRALIZED SYSTEM FIELD INTEGRATION / SETUP. This price shall be payment in full for all labor, materials, and equipment necessary to provide fully operational equipment in the field and within the CTMS to the satisfaction of the Engineer.

UNDERGROUND RACEWAYS

Effective: May 22, 2002

Revised: July 1, 2015

810.02TS

Revise Article 810.04 of the Standard Specifications to read:

"Installation. All underground conduits shall have a minimum depth of 30-inches (700 mm) below the finished grade."

Add the following to Article 810.04 of the Standard Specifications:

"All metal conduit installed underground shall be Rigid Steel Conduit unless otherwise indicated on the plans."

Add the following to Article 810.04 of the Standard Specifications:

"All raceways which extend outside of a structure or duct bank but are not terminated in a cabinet, junction box, pull box, handhole, post, pole, or pedestal shall extend a minimum of 300 mm (12") or the length shown on the plans beyond the structure or duct bank. The end of this extension shall be capped and sealed with a cap designed for the conduit to be capped.

The ends of rigid metal conduit to be capped shall be threaded, the threads protected with full galvanizing, and capped with a threaded galvanized steel cap.

The ends of rigid nonmetallic conduit and coilable nonmetallic conduit shall be capped with a rigid PVC cap of not less than 3 mm (0.125") thick. The cap shall be sealed to the conduit using a room-temperature-vulcanizing (RTV) sealant compatible with the material of both the cap and the conduit. A washer or similar metal ring shall be glued to the inside center of the cap with epoxy, and the pull cord shall be tied to this ring."

HANDHOLES

Effective: January 01, 2002
Revised: November 1, 2023
814.01TS

Description.

Add the following to Section 814 of the Standard Specifications:

All conduits shall enter the handhole at a depth of 30 in. (762 mm) except for the conduits for detector loops when the handhole is less than 5 ft (1.52 m) from the detector loop. All conduit ends should be sealed with a waterproof sealant to prevent the entrance of contaminants into the handhole.

Steel cable hooks shall be epoxy coated and must meet the specifications set forth in 1006.10. Hooks shall be a minimum of 5/8 in. (16 mm) diameter with 90-degree bend and extend into the handhole at least 6 in. (152 mm). Hooks shall be placed a minimum of 12 in. (305 mm) below the lid or lower if additional space is required.

Precast round handholes shall not be used unless called out on the plans.

The cover of the handhole frame shall be labeled "Traffic Signals" with legible raised letters. Only handholes serving IDOT traffic signal equipment shall have this label. Handhole covers for Red Light Running Cameras shall be labeled "RLRC".

Revise the third paragraph of Article 814.03 of the Standard Specifications to read:

"Handholes shall be constructed as shown on the plans and shall be cast-in-place or precast concrete units. Heavy duty handholes shall be either cast-in-place or precast concrete units."

Revise Article 814.03(c) of the Standard Specifications to read:

"Precast Concrete. Precast concrete handholes shall be fabricated according to Article 1042.17. Where a handhole is contiguous to a sidewalk, preformed joint filler of 1/2 in. (13 mm) thickness shall be placed between the handhole and the sidewalk."

Add the following to Section 814 of the Standard Specifications:

Cast-In-Place Handholes.

All cast-in-place handholes shall be concrete with minimum inside dimensions of 21-1/2 in. (546 mm). Frames and lid openings shall match this dimension.

For grounding purposes, the handhole frame shall have provisions for a 7/16 in. (11 mm) diameter stainless steel bolt cast into the frame. The covers shall have a stainless steel threaded stint extended from the eye hook assembly for the purpose of attaching the grounding conductor to the handhole cover.

The minimum wall thickness for heavy duty hand holes shall be 1 ft (305mm).

Precast Round Handholes.

All precast handholes shall be concrete with an inside diameter of 30 in. (762mm). Frames and covers shall have a minimum opening of 26 in. (660mm) and no larger than the inside diameter of the handhole.

For grounding purposes, the handhole frame shall have provisions for a 7/16 in. (11 mm) diameter stainless steel bolt cast into the frame. For the purpose of attaching the grounding conductor to the handhole cover, the covers shall either have a 7/16 in. (11 mm) diameter stainless steel bolt cast into the cover or a stainless steel threaded stint extended from an eye hook assembly. A hole may be drilled for the bolt if one cannot be cast into the frame or cover. The head of the bolt shall be flush or lower than the top surface of the cover.

The minimum wall thickness for precast heavy duty hand holes shall be 6 in. (152 mm).

Precast round handholes shall be only produced by an approved precast vendor.

UNINTERRUPTABLE POWER SUPPLY, SPECIAL

Effective: January 1, 2013

Revised: May 19, 2016

862.01TS

This work shall be in accordance with section 862 of the Standard Specification except as modified herein

Add the following to Article 862.01 of the Standard Specifications:

The UPS shall have the power capacity to provide normal operation of a signalized intersection that utilizes all LED type signal head optics, for a minimum of 6 (six) hours.

Add the following to Article 862.02 of the Standard Specifications:

Materials shall be according to Article 1074.04 as modified in UNINTERRUPTABLE POWER SUPPLY, SPECIAL.

Add the following to Article 862.03 of the Standard Specifications:

The UPS shall additionally include, but not be limited to, a battery cabinet, where applicable. For Super-P (Type IV) and Super-R (Type V) cabinets, the battery cabinet is integrated to the traffic signal cabinet, and shall be included in the cost for the traffic signal cabinet of the size and type indicated on the plans.

The UPS shall provide reliable emergency power to the traffic signals in the event of a power failure or interruption.

Revise Article 862.04 of the Standard Specifications to read:

Installation.

When a UPS is installed at an existing traffic signal cabinet, the UPS cabinet shall partially rest on the lip of the existing controller cabinet foundation and be secured to the existing controller cabinet by means of at least four (4) stainless steel bolts. The UPS cabinet shall be completely enclosed with the bottom and back constructed of the same material as the cabinet.

When a UPS is installed at a new signal cabinet and foundation, it shall be mounted as shown on the plans.

At locations where UPS is installed and an Emergency Vehicle Priority System is in use, any existing incandescent confirmation beacons shall be replaced with LED lamps in accordance with the District One Emergency Vehicle Priority System specification at no additional cost to the contract. A concrete apron shall be provided and be in accordance with Articles 424 and 202 of the Standard Specifications. The concrete apron shall also, follow the District 1 Standard Traffic Signal Design Detail, Type D for Ground Mounted Controller Cabinet and UPS Battery Cabinet.

This item shall include any required modifications to an existing traffic signal controller as a result of the addition of the UPS including the addition of alarms.

Materials.

Revise Article 1074.04(a)(1) of the Standard Specifications to read:

The UPS shall be line interactive or double conversion and provide voltage regulation and power conditioning when utilizing utility power. The UPS shall be sized appropriately for the intersection(s) normal traffic signal operating load. The UPS must be able to maintain the intersection's normal operating load plus 20 percent (20%) of the intersection's normal operating load. When installed at a railroad-

interconnected intersection the UPS must maintain the railroad pre-emption load, plus 20 percent (20%) of the railroad preemption-operating load. The total connected traffic signal load shall not exceed the published ratings for the UPS.

The UPS shall provide a minimum of 6 (six) hours of normal operation run-time for signalized intersections with LED type signal head optics at 77 °F (25 °C) (minimum 1000 W active output capacity, with 86 percent minimum inverter efficiency).

Revise the first paragraph of Article 1074.04(a)(3) of the Standard Specifications to read:

The UPS shall have a minimum of four (4) sets of normally open (NO) and normally closed (NC) single-pole double-throw (SPDT) relay contact closures, available on a panel mounted terminal block or locking circular connectors, rated at a minimum 120 V/1 A, and labeled so as to identify each contact according to the plans.

Revise Article 1074.04(a)(10) of the Standard Specifications to read:

The UPS shall be compatible with the District's approved traffic controller assemblies utilizing NEMA TS 1 or NEMA TS 2 controllers and cabinet components for full time operation.

Revise Article 1074.04(a)(17) of the Standard Specifications to read:

When the intersection is in battery backup mode, the UPS shall bypass all internal cabinet lights, ventilation fans, cabinet heaters, service receptacles, luminaires, any lighted street name signs, any automated enforcement equipment and any other devices directed by the Engineer.

Revise Article 1074.04(b)(2)b of the Standard Specifications to read:

Batteries, inverter/charger and power transfer relay shall be housed in a separate NEMA Type 3R cabinet. The cabinet shall be Aluminum alloy, 5052-H32, 0.125-inch thick and have a natural mill finish.

Revise Article 1074.04(b)(2)c of the Standard Specifications to read:

No more than three batteries shall be mounted on individual shelves for a cabinet housing six batteries and no more than four batteries per shelf for a cabinet housing eight batteries.

Revise Article 1074.04(b)(2)e of the Standard Specifications to read:

The battery cabinet housing shall have the following nominal outside dimensions: a width of 25 in. (785 mm), a depth of 16 in. (440 mm), and a height of 41 to 48 in. (1.1 to 1.3 m). Clearance between shelves shall be a minimum of 10 in. (250 mm).

End of paragraph 1074.04(b)(2)e

The door shall be equipped with a two position doorstop, one a 90° and one at 120°.

Revise Article 1074.04(b)(2)g of the Standard Specifications to read:

The door shall open to the entire cabinet, have a neoprene gasket, an Aluminum continuous piano hinge with stainless steel pin, and a three point locking system. The cabinet shall be provided with a main door lock which shall operate with a traffic industry conventional No. 2 key. Provisions for padlocking the door shall be provided.

Add the following to Article 1074.04(b)(2) of the Standard Specifications:

j. The battery cabinet shall have provisions for an external generator connection.

Add the following to Article 1074.04(c) of the Standard Specifications:

- (8) The UPS shall include a tip or kill switch installed in the battery cabinet, which shall completely disconnect power from the UPS when the switch is manually activated.
- (9) The UPS shall include standard RS-232 and internal Ethernet interface.
- (10) The UPS shall incorporate a flanged electric generator inlet for charging the batteries and operating the UPS. The generator connector shall be male type, twist-lock, rated as 15A, 125VAC with a NEMA L5-15P configuration and weatherproof lift cover plate. Access to the generator inlet shall be from a secured weatherproof lift cover plate or behind a locked battery cabinet police panel.
- (11) The bypass switch shall include an internal power transfer relay that allows removal of the battery back-up unit, while the traffic signal is connected to utility power, without impacting normal traffic signal operation.

Revise Article 1074.04(d)(3) of the Standard Specifications to read:

All batteries supplied in the UPS shall be either gel cell or AGM type, deep cycle, completely sealed, prismatic lead calcium based, silver alloy, valve regulated lead acid (VRLA) requiring no maintenance. All batteries in a UPS installation shall be the same type; mixing of gel cell and AGM types within a UPS installation is not permitted.

Revise Article 1074.04(d)(4) of the Standard Specifications to read:

Batteries shall be certified by the manufacturer to operate over a temperature range of -13 to 160 °F (-25 to + 71 °C) for gel cell batteries and -40 to 140 °F (-40 to + 60 °C) for AGM type batteries.

Add the following to Article 1074.04(d) of the Standard Specifications:

- (9) The UPS shall consist of an even number of batteries that are capable of maintaining normal operation of the signalized intersection for a minimum of 6 (six) hours. Calculations shall be provided showing the number of batteries of the type supplied that are needed to satisfy this requirement. A minimum of four batteries shall be provided.
- (10) Battery Heater mats shall be provided, when gel cell type batteries are supplied.

Add the following to the Article 1074.04 of the Standard Specifications:

- (e) Warranty. The warranty for an uninterruptable power supply (UPS) and batteries (full replacement) shall cover a minimum of 5 years from date the equipment is placed in operation.
- (f) Installation. Bypass switch shall completely disconnect the traffic signal cabinet from the utility provider.
- (g) The UPS shall be set-up to run the traffic signal continuously, without going to a red flashing condition, when switched to battery power unless otherwise directed by the Engineer. The Contractor shall confirm set-up with the Engineer. The continuous operation mode when switched to battery may require modification to unit connections and these modifications are included in the unit price for this item.

Revise Article 862.05 of the Standard Specifications to read:

Basis of Payment.

This work will be paid for at the contract unit price per each for UNINTERRUPTABLE POWER SUPPLY, SPECIAL or UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL. Replacement of Emergency Vehicle Priority System confirmation beacons and any required modifications to the traffic signal controller shall be included in the cost of the UNINTERRUPTABLE POWER SUPPLY, SPECIAL or UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL item. The concrete apron and earth

excavation required shall be included in the cost of the UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL item.

LIGHT DETECTOR AMPLIFIER

This work shall consist of furnishing and installing a new light detector amplifier, consisting of a multimode phase selector, for the emergency vehicle priority (EVP) system.

The multimode phase selectors for this project shall be Opticom and shall be compatible with the City's Centralized EVP Management System in accordance with the requirements set forth below. The EVP system at each intersection shall be fully operational to the satisfaction of the Engineer.

Multimode Priority Control System

A multimode priority control system shall operate in a manner that allows infrared, and GPS/Radio priority control technologies to interoperate and activate one another in a consistent manner. The priority control system shall consist of a matched system of vehicle equipment and intersection equipment capable of employing both data-encoded radio communications to identify the presence of designated priority vehicles, as well as data-encoded infrared signaling communications. In preemption mode, the data-encoded communication shall request the traffic signal controller to advance to and/or hold a desired traffic signal display selected from phases normally available. A record of system usage by agency identification number, vehicle classification and vehicle identification number shall be created. The system software shall support call history analysis and reporting across any subset of intersections and/or vehicles independent of activation method. System software shall also support both onsite and remote programming and monitoring of the priority control system.

The vehicle equipment may include a GPS radio unit and vehicle control unit or a data encoded infrared emitter employing either a strobe or LED based light source. The GPS receiver on the vehicle shall obtain vehicle location, heading and speed from the U.S. Department of Defense (DoD) operated satellites. The GPS radio vehicle equipment shall also monitor the vehicle's turn signal status. A 2.4 GHz spread spectrum/frequency hopping radio in the vehicle equipment shall transmit this data to nearby intersections, only when it is within radio communication range of an intersection, which is received by a similar radio located at the intersection. The vehicle radio shall communicate to intersection radios at distances up to at least 2,500 feet (762 m) with no obstructions. If an infrared data-encoded emitter is employed on the vehicle, it shall send an encoded infrared signal to the detector, with a range capability of 2,000 feet minimum.

Intersection detection equipment will consist of either a GPS receiver and radio transceiver or an infrared detector or both connected to a multimode phase selector located in the intersection controller cabinet. The GPS radio unit receives the data-encoded radio signal from the GPS radio equipped vehicle and transmits the decoded information through detector cable to the multimode phase selector for processing. The intersection radios also communicates to vehicles and other intersection radios at distances of up to at least 2,500 feet (762m) with no obstructions. The infrared detector receives the data-encoded infrared signal from the infrared equipped vehicle and transmits information through detector cable designed to convert infrared light energy at the proper wavelength into analog voltage signals that can be evaluated and decoded by the multimode phase selector.

The multimode phase selector shall be capable of receiving data encoded signals from either or both infrared and GPS radio detection equipment and combine the detection signals into a single set of tracked vehicles requesting priority activation. The multimode phase selector will process the vehicle information to ensure that the vehicle is (1) in a predefined approach corridor, (2) heading toward the intersection, (3) requesting priority, and (4) within user-settable range. The multimode phase selector shall treat the combined, single set of tracked calls with first come first served priority methodology within a given priority level. Arbitration between infrared signal intensity and GPS radio distance/ETA shall be first come first served methodology based on time of detection as each equipped vehicle reaches its programmed threshold.

When these conditions are met, the phase selector shall generate a priority control request to the traffic

controller for the approaching priority vehicle. If the approaching GPS radio preemption equipped vehicle has an active turn signal, the approach intersection shall relay the priority request to the next nearest in-range intersection in the direction of the approaching vehicle's turn signal. The output of the phase selector may also be varied depending on the state of the approaching vehicle's turn signal.

To ensure priority control system integrity, operation and compatibility, all components shall be from the same manufacturer. The system shall offer compatibility with the most signal controllers, e.g. the latest NEMA (National Electrical Manufacturers Association) controllers. The system can be interfaced with most globally available controllers using the controller's preemption inputs. The necessary interfaces shall be provided to allow management by on-site interface software and central software.

The central software shall manage the region's priority control system as a single, integrated system, independent of the particular activation method or methods (infrared or GPS/radio) used within the region. The central software shall allow each intersection within the region to be configured with one or more phase selectors with varying methods of activation; e.g., one infrared phase selector and one GPS/radio phase selector or a multimode phase selector. The central software shall allow each vehicle within the region to be configured with priority control equipment with varying methods of activation; e.g., an infrared emitter and a GPS/radio vehicle control unit.

The central software shall support analysis of priority control activity at an intersection and/or for a vehicle as it is migrated between activation methods (e.g., migrated from infrared to GPS/radio). This analysis shall allow the user to readily determine whether the priority control system has retained its effectiveness across the migration. When a phase selector is removed or replaced at an intersection (e.g., replacing an infrared phase selector with a GPS/radio phase selector or multimode phase selector), call history and configuration history from that phase selector shall still be available for use in analysis and reporting in the central software.

The central software shall provide a means to filter the display such that only the information relevant to the activation method in use is shown to the user.

Matched System Components

As stated above, the signal preemption/priority system is comprised of matched system components. These components are further described as follows:

1. GPS Radio System Components
 - a. *Vehicle/Intersection radio/GPS module, Radio/GPS Antenna with factory terminated SMA connectors, and vehicle control unit.* The radio/GPS module shall obtain the vehicle position, speed and heading information and transmit this information only when within range of a GPS radio preemption equipped intersection. The vehicle control unit shall communicate with the radio/GPS module and provide the interface to the vehicle in order to monitor the vehicle's turn signal status, provide activation and disable inputs as well as regulate the vehicle power provided to the radio/GPS module.
 - b. *Intersection Radio/GPS Module.* The intersection radio/GPS module shall transmit a beacon every second and receive the data transmitted by the vehicle equipment and relay this information to the phase selector as well as other system-equipped intersections. It shall also obtain position information from the GPS satellites.
 - c. *Radio/GPS Cable.* The radio/GPS cable shall carry the data received from the intersection radio/GPS unit to the phase selector. It shall also carry the power for the radio and GPS components provided by the phase selector. The same cable shall be used to carry the data between the vehicle radio/GPS unit and the vehicle control unit. The cable used to connect the radio/GPS unit to the phase selector shall be a shielded 10 conductor data cable; the use of coax cable is not permitted.
2. Infrared System Components
 - a. *Data-Encoded LED Infrared Emitter.* The data-encoded emitter shall trigger the system. It shall send the encoded infrared signal to the detector. It shall be located on

- the priority or probe vehicle.
- b. *Remote Coding Unit.* The remote coding unit shall be capable of remotely programming the data-encoded LED infrared emitter without the use of a computer. The remote coding unit will not be available for use with the OEM version of the data-encoded LED emitter.
 - c. *Infrared Detector.* The detector shall change the infrared signal to an electrical signal. It shall be located at or near the intersection. It shall send the electrical signal via the detector cable to the phase selector.
 - d. *Detector Cable.* The detector cable shall carry the electrical signal from the detector to the phase selector.
3. **Multimode System Components**
- a. *Multimode Phase Selector.* The multimode phase selector shall recognize inputs from both infrared and GPS/radio activation methods at the intersection and supply coordinated inputs to the controller. The multimode phase selector shall process the data in order to validate that all parameters required for granting a priority request are met. It shall be located within the controller cabinet at the intersection. It shall request the controller to provide priority to a valid priority vehicle by connecting its outputs to the traffic controller's preemption inputs.
 - b. *Card Rack.* The card rack shall provide simplified installation of a phase selector into controller cabinets that do not already have a suitable card rack.
 - c. *Auxiliary Interface Panel.* The auxiliary panel shall provide additional preemption outputs if needed. It shall also provide a connection point for the phase selector to monitor the status of the intersection's green lights (green sense). Additional RS-232 communication ports may also be accessed via this panel. If additional outputs are not required, an auxiliary harness shall be used to monitor the status of the intersection's green lights.
 - d. *Base Station.* The base station module is used at fire stations that are located very close to intersections. When the base station is activated, all nearby equipped intersection/s or only those intersections in the planned direction of travel shall immediately begin requesting preemption from the traffic controller. The base station shall wirelessly communicate to intersections near the station that can be activated from the base station controller and/or passing vehicles that are equipped with GPS radio vehicle equipment.

Multimode Phase Selector

1. The multimode phase selector recognizes inputs from both infrared and GPS/radio activation methods at the intersection and supplies coordinated inputs to the controller.
2. The multimode phase selector is designed to be installed in the traffic controller cabinet and is intended for use directly with numerous controllers. These include controllers with compatible software, NEMA controllers, or other controllers along with the system card rack and suitable interface equipment and controller software.
3. The multimode phase selector will be a plug-in, four channel, multiple-priority, multi-modal device intended to be installed directly into a card rack located within the controller cabinet. The multi-mode phase selector shall be capable of using existing infrared or GPS/radio system card racks.
4. The multimode phase selector may be powered from either +24 VDC or 120VAC.
5. The multimode phase selector shall support front-panel RS-232, USB and Ethernet interfaces to allow management by on-site interface software and central software. An RS-232 port shall be provided on the rear card edge of the unit. Additional RS-232 communication ports shall be available using the Auxiliary Interface Panel.
6. The multimode phase selector shall include the ability to directly sense the green traffic controller signal indications through the use of dedicated sensing circuits and wires connected directly to field wire termination points in the traffic controller cabinet. This connection shall be made using the auxiliary interface panel.

7. The multimode phase selector shall have the capability of storing a minimum of 10,000 priority control calls. When the log is full, the phase selector shall drop the oldest entry to accommodate the new entry. The phase selector shall store each call record in non-volatile memory and shall retain the record if power terminates. Each preemption record entry shall include the following points of information about the priority call:
 - a. Agency: Indicates the operating agency of the vehicle.
 - b. Classification: Indicates the class type of vehicle.
 - c. Identification number: Indicates the unique ID number of the vehicle.
 - d. Priority level: Indicates the vehicle's priority level (High, Low or Probe).
 - e. Direction: Channel A, B, C, or D; indicates the vehicle's direction of travel.
 - f. Call duration: Indicates the total time in seconds the priority status is active.
 - g. Final greens at end of call: Indicates which phases are green at the end of the call.
 - h. Duration of the final greens: Indicates the total time final greens were active at the end of call.
 - i. Time and date call started and ended: Indicates the time a priority call started and ended, provided in seconds, minutes, hours, day, month, and year.
 - j. Turn signal status: Indicates the status of the turn signal during the call.
 - k. Priority output active: Indicates if the phase selector requested priority from the controller for the call.
 - l. Historical no preempt cause: Indicates a history of conditions, which may have prevented a call or caused a call to terminate.
 - m. Speed of vehicle: entry speed, exit speed, average speed through call.
 - n. Relative priority: relative priority of vehicle class logged at time of call.
 - o. Directional priority: directional priority logged at time of call.
 - p. Preempt output used.
 - q. Signal intensity: maximum and minimum infrared signal intensity during call.
8. The multimode phase selector shall support a minimum of 5000 code pairs (agency ID, vehicle ID) providing unique vehicle identification and system security implementation at the vehicle level.
9. The multimode phase selector shall include several programmable control timers that will limit or modify the duration of a priority control condition, by channel. The control timers will be as follows:
 - a. MAX CALL TIME: Sets the maximum time that a channel is allowed to be held active by a specific vehicle. It shall be settable from 60 to 65,535 seconds in one-second increments. The factory default shall be 360 seconds.
 - b. OFF APPROACH CALL HOLD TIME: Sets the amount of time a call is held on a channel after the vehicle has left the approach. It shall be settable from 4 to 255 seconds in one-second increments. The factory default shall be 6 seconds.
 - c. LOST SIGNAL CALL HOLD TIME: Sets the amount of time that a call is held on a channel after the intersection has lost contact with the vehicle. It shall be settable from one to 255 seconds in one-second increments. The factory default shall be six seconds.
10. The multimode phase selector shall have the ability to enable or disable all calls of both priority levels. This shall be independently settable by channel.
11. A unique intersection name, which shall be broadcasted, shall be settable for each multimode phase selector.
12. Up to 25 different radio channels shall be available to be assigned to the multimode phase selector.
13. The multimode phase selector shall operate in a mode that shall vary the output based on the status of the approaching vehicles turn signal. Additional outputs available on an Auxiliary Interface Panel may be needed. Settings shall be available for this mode as follows:
 - a. Output mappings for each channel.

- b. Separate setting for each of the four channels.
 - c. Separate settings for each left turn, right turn or straight signal status for each of the above four channels.
14. The multimode phase selector's default values shall be programmable by the operator on-site or at a remote location.
15. The multimode phase selector shall be capable of three levels of signal discrimination, as follows:
 - a. Verification of the presence of the signal of either High priority or Low priority.
 - b. Verification that the vehicle is approaching the intersection within a prescribed Estimate Time of Arrival (ETA).
 - c. Determination of when the vehicle is within the prescribed range, either by intensity level or distance from the intersection.
16. The multimode phase selector shall include one opto-isolated NPN output per channel that provides the following electrical signal to the appropriate pin on the card edge connector:
 - a. .25Hz \pm 0.1Hz 50% on/duty square wave in response to a Low priority call.
 - b. A steady ON in response to a High priority call.
 - c. The phase selector will also have the option of providing separate outputs for High and Low priority calls for controllers that do not recognize a 6.25 Hz pulsed Low priority request.
 - d. Additional outputs or output modes shall also be available on the auxiliary interface panel.
17. The multimode phase selector shall accommodate three methods for setting range thresholds for High and Low priority signals:
 - a. Based on the approaching vehicle's Estimated Time of Arrival (ETA). This shall be settable between 0 and 255 seconds in one second increments. The factory default shall be 30 seconds. The ETA threshold shall be independently settable by each of the following parameters: vehicle class, approach channel and priority level.
 - b. Based on the approaching vehicle's distance from the intersection. This shall be settable between 0 and 5,000 feet in one foot increments. The factory default shall be 1000 feet. The Distance threshold shall be independently settable by each of the following parameters: vehicle class, channel and priority level.
 - c. Based on infrared emitter intensity the system shall accommodate setting a separate range from 200 feet (61m) to 2,500 feet (762m) with 1,200 range set points for both High and Low priority signals.
18. The multimode phase selector shall support three types of green sense logging.
 - a. Preemption impact logging which measures and records the impact of an individual signal preemption upon a measured green cycle time.
 - b. TSP impact logging which measures and records whether a TSP advantage was gained during a request and the amount of early or extended green applied.
 - c. Green cycle logging records changes in the average green cycle time. When the average time is measured to have changed, a new log entry is made.
19. The multimode phase selector will have the following indicators:
 - a. A STATUS indicator that illuminates steadily to indicate proper operation.
 - b. A link indicator on the multimode phase selector illuminates green if other radios are within range.
 - c. A radio indicator that indicates the status of the communication between the vehicle control unit and the radio/GPS unit. The indicator illuminates amber to indicate that there is communication between the vehicle control unit and the radio/GPS unit. The

indicator illuminates green to indicate that a GPS signal has been acquired and the 2.4 GHz radio is on the air.

- d. LED indicators (one for High priority, one for Low priority) for each channel display active calls as steady ON and pulse to indicate pending preemption requests.
20. The phase selector shall have a test switch for each channel to test proper operation of High or Low priority.
 21. The multimode phase selector shall utilize the time obtained from the GPS satellites to time stamp the activity logs. The user will set the local time zone (offset from GPS time) via the interface software
 22. The interface software shall have the capability to set the multimode phase selector to automatically adjust the GPS time offset for changes in daylight savings time.
 23. An auxiliary interface panel shall be available to facilitate interconnections between the multimode phase selector and traffic cabinet wiring as well as provide additional outputs.
 24. A multimode phase selector port may be configured to output GPS data at a user selectable baud rate in the NMEA 0183format. It will output the following messages (depending on the baud rate):
 - a. GGA - Global Positioning System Fix Data (2400 baud and higher);
 - b. GSA- GPS DOP and active satellites (2400 baud and higher);
 - c. GSV - Satellites in view (4800 baud and higher); and
 - d. RMC - Recommended Minimum Navigation Information (1200 baud and higher).

For traffic controllers that are capable of interpreting GPS data in the NMEA 0183 serial format, this GPS data may be used to synchronize the controller's clock using the GPS date and time.

Additionally, a discrete output from the phase selector may be used to reset the traffic controller using the clock reset function/input of the controller. This output shall be available on the Auxilliary Interface Panel. This output shall be referenced to the GPS date and time.

This output may be configured as follows:

- a. Enabled or Disabled;
 - b. Time of day reset is activated (12:00 A.M. to 6:00 A.M. in 30 minute increments);
 - c. Duration of reset pulse (100-2,000 milliseconds); or
 - d. Repeat every 1 to 30 days.
25. The multimode phase selector shall provide the user with call play-back logs for the last 100 priority activation requests. Each log shall contain up to the last 250 seconds of a call. The call play-back logs shall include:
 - a. GPS/radio based calls shall record vehicle speed, heading, signal quality, GPS location, coded ID, green sense state, call status (active, pending, disabled), approach channel and turn signal status and priority information.
 - b. Infrared based calls shall record intensity, coded ID, green sense state, call status (active, pending, disabled), approach channel and priority information.
 - c. Data shall be recorded once per second. Recording terminates at call end.
 26. The following diagnostic tests are incorporated in the multimode phase selector:
 - a. Power up built in test;
 - b. Communications port tests;
 - c. Preemption output test call; and
 - d. Detector response test.
 27. The multimode phase selector shall be capable of call bridging. Call bridging enables the

- treatment of two vehicles requesting priority activation to have their calls linked together to hold a call to the controller so that they may traverse the approach together.
28. The multimode phase selector shall be capable of directional priority. Priority for calls may be assigned to individual approach channels such that calls in a particular direction will be given priority over calls in competing directions within the same priority level.
 29. When used with a GPS Radio Unit, the multimode phase selector shall relay a priority request to the next adjacent intersection based on the direction indicated by the vehicle's turn signals.
 30. The multimode phase selector shall be capable of utilizing time plans to allow users to vary priority activation by time of day, or for a specific time period such as special events. Time plans shall be configured via system software.
 31. The multimode phase selector shall support evacuation mode for low priority calls. Upon activation of this mode from the central management software, low priority vehicle calls shall be recognized by the multimode phase selector as if they were high priority vehicle calls for a temporary period of time as defined by the user. This mode shall be supported for both infrared and GPS radio emitters. Vehicles transmitting high priority signals shall continue to maintain priority over the evacuation mode priority vehicles.
 32. The multimode phase selector shall allow relative priority. Relative priority allows emitter classes to be used as an additional level of prioritization within priority levels (i.e. high and low priority levels have different sets of relative priorities). Relative priority shall support up to 15 unique classes in each priority level (High and Low). Relative priority class level 15 will have the highest weight and 1 the lowest weight in each. If relative priority is enabled, a priority call will be granted to the caller with the higher class level within high and low priority levels. A vehicle with a call granted, shall be able to have its call taken away by a higher level class vehicle. The system shall provide a lockout threshold that once met, shall disallow higher relative priority calls from taking away a call. Separate thresholds for infrared and GPS/radio calls shall be provided. Infrared call thresholds shall be specified as an intensity with a default value of 1,000. GPS/radio call thresholds shall be specified as an ETA in seconds. The default is ETA shall be 12 seconds. Threshold values for both types of calls shall be settable via system software. High priority calls will always be served over low priority calls regardless of either's relative class. Preemption for vehicles with the same base priority (high, low) and the same relative priority is done using the default first come, first served mechanism. Relative priority is capable of being enabled or disabled using system software. Relative priority for high and low can be separately enabled or disabled using system software. The default settings for all relative priority (high and low) values will be 15. Relative priority shall be disabled by default for both high and low priority.

Basis of Payment

This work will be paid for at the contract unit price per each for LIGHT DETECTOR AMPLIFIER.

If the work consists of retrofitting an existing EVP confirmation beacon with light emitting diodes (LEDs), it will be paid for at the contract unit price per each for EVP CONFIRMATION BEACON, LED RETROFIT, of the type specified, and of the particular kind of material, when specified. Price shall be payment in full for furnishing the equipment described above including LED modules, all mounting hardware, and installing them in satisfactory operating condition.

ETHERNET SWITCH

This work shall consist of furnishing and installing an Ethernet Switch in order to provide communications between traffic signal interconnect equipment in the field and the Centralized Transportation Management System within Aurora City Hall. The Ethernet Switch shall be installed within the traffic signal controller cabinet location(s) designated in the plans.

The Ethernet Switch shall include SFP module as specified by the Engineer and shall be a RuggedSwitch RS900, as manufactured by RuggedCom.

Basis of Payment

This work will be paid for at the contract unit price per each for ETHERNET SWITCH.

Any work associated with modifying the interior of the controller cabinet for the installation of the Ethernet Switch will not be paid for separately, but shall be considered as included in the cost of the associated pay items.

VIDEO DETECTION ZONE SETUP

This work shall consist of setting up new video detection zones for new cameras or modifying video detection zones for existing cameras. The new and modified video detection zones shall be configured as shown on the plans or as directed by the Engineer. This work will not be paid for separately, but shall be considered as included in the unit bid prices of the contract, and no additional compensation will be allowed.

INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA

This work shall consist of furnishing and installing a fully operational video traffic monitoring system utilizing a pan/tilt/zoom (PTZ) camera at the locations indicated in the plans. The PTZ cameras shall be Axis Q6055-E Dome Network System as manufactured by Axis.

The PTZ cameras shall be mounted via bracket assembly to the combination mast arm pole unless otherwise noted in the plans or directed by the Engineer. If the camera is to be mounted to a mast arm that does not have a combination pole, the camera shall be mounted to a bracket that extends higher than the mast arm.

The video and PTZ control cable shall consist of an RJ45 with CAT6 cabling. The power cable shall be a No. 14 3C.

Basis of Payment

This work will be paid for at the contract unit price per each for INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA, which price shall include all labor, materials, and equipment necessary to furnish and install a fully operational video traffic monitoring system, including the mounting of the PTZ cameras. The labor, materials, and equipment necessary to mount the PTZ cameras will not be paid for separately, but shall be considered as included in the cost of the intersection video traffic monitoring system.

The video and PTZ control cable will be paid for at the contract unit price per foot for CAT. 6 ETHERNET CABLE.

The power cable will be paid for at the contract unit price per foot for ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C.

ELECTRIC CABLE

Effective: May 22, 2002

Revised: July 1, 2015

873.01TS

Delete "or stranded, and No. 12 or" from the last sentence of Article 1076.04 (a) of the Standard Specifications.

Add the following to the Article 1076.04(d) of the Standard Specifications:

Service cable may be single or multiple conductor cable.

EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C

Effective: January 1, 2013

Revised: July 1, 2015

873.03TS

This work shall consist of furnishing and installing lead-in cable for light detectors installed at existing and/or proposed traffic signal installations as part of an emergency vehicle priority system. The work includes installation of the lead-in cables in existing and/or new conduit. The electric cable shall be shielded and have (3) stranded conductors, colored blue, orange, and yellow with a stranded tinned copper drain wire. The cable shall meet the requirements of the vendor of the Emergency Vehicle Priority System Equipment.

Basis of Payment.

This work will be paid for at the contract unit price per foot for EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C, which price shall be payment in full for furnishing, installing and making all electrical connections necessary for proper operations.

TRAFFIC SIGNAL POST

Effective: May 22, 2002

Revised: July 14, 2021

875.01TS

Revise Article 1077.01 (c) of the Standard Specifications to read:

(c) Anchor Rods. The anchor rods shall be a minimum of 5/8 in. in diameter and 16 in. long and shall be according to Article 1006.09. The anchor rods shall be threaded approximately 6 in. at one end and have a bend at the other end. The first 12 in. at the threaded end shall be galvanized. One each galvanized nut and trapezoidal washer shall be furnished with each anchor rod. The washer shall be properly sized to fully engage and sit flush on all sides of the slot of the base plate.

Revise the first sentence of Article 1077.01 (d) of the Standard Specifications to read:

All posts shall be steel and bases shall be cast iron. All posts and bases shall be hot dipped galvanized according to AASHTO M 111. If the Department approves painting, powder coating by the manufacturer will be required over the galvanization in accordance with 851.01TS TRAFFIC SIGNAL PAINTING Special Provisions.

MAST ARM ASSEMBLY AND POLE

Effective: May 22, 2002

Revised: July 01, 2015

877.01TS

Revise the second sentence of Article 1077.03 (a)(3) of the Standard Specifications to read:

Traffic signal mast arms shall be one piece construction, unless otherwise approved by the Engineer.

Add the following to Article 1077.03 (a)(3) of the Standard Specifications:

If the Department approves painting, powder coating by the manufacturer will be required over the galvanization in accordance with 851.01TS TRAFFIC SIGNAL PAINTING Special Provisions.

CONCRETE FOUNDATIONS

Effective: May 22, 2002
Revised: March 1, 2024
878.01TS

Add the following to Article 878.03 of the Standard Specifications:

"All anchor bolts shall be according to Article 1006.09, with all anchor bolts hot dipped galvanized a minimum of 12 in. at the threaded end.

Depending on the foundation type, the top of foundation shall be between 1 in. and 6 in. above finished grade or as directed by the Engineer.

No foundation is to be poured until the Resident Engineer gives their approval as to the depth of the foundation."

Add the following to the first paragraph of Article 878.05 of the Standard Specifications:

"The concrete apron in front of the cabinet and UPS shall be included in this pay item."

Revise the first paragraph of Article 878.05 of the Standard Specifications to read:

"Basis of Payment. This work will be paid for at the Contract unit price per foot (meter) of depth of CONCRETE FOUNDATION of the type specified, or CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER for pedestrian post concrete foundations."

LIGHT EMITTING DIODE (LED) SIGNAL HEAD AND OPTICALLY PROGRAMMED LED SIGNAL HEAD

Effective: May 22, 2002
Revised: March 1, 2024
880.01TS

Materials.

Add the following to Section 1078 of the Standard Specifications:

"LED modules proposed for use and not previously approved by IDOT District One will require independent testing for compliance to current VTCSH-ITE standards for the product and be Intertek ETL Verified. This would include modules from new Vendors and new models from IDOT District One approved Vendors.

The proposed independent testing facility shall be approved by IDOT District One. Independent testing must include a minimum of two (2) randomly selected modules of each type of module (i.e. ball, arrow, pedestrian, etc.) used in the District and include as a minimum Luminous Intensity and Chromaticity tests. However, complete module performance verification testing may be required by the Engineer to assure the accuracy of the Vendor's published data and previous test results. An IDOT representative will select sample modules from the local warehouse and mark the modules for testing. Independent test results shall meet current ITE standards and vendor's published data. Any module failures shall require retesting of the module type. All costs associated with the selection of sample modules, testing, reporting, and retesting, if applicable, shall be the responsibility of the LED module Vendor and not be a cost to this Contract.

All signal heads shall provide 12 in. (300 mm) displays with glossy yellow or black polycarbonate housings. All head housings shall be the same color (yellow or black) at the intersection. For new signalized intersections and existing signalized intersections where all signals heads are being replaced, the proposed head housings shall be black. Where only selected heads are being replaced, the proposed head housing color (yellow or black) shall match existing head housings.

Connecting hardware and mounting brackets shall be polycarbonate (black). A corrosion resistant anti-seize lubricant shall be applied to all metallic mounting bracket joints and shall be visible to the inspector at the signal turn-on. Post top mounting collars are required on all posts and shall be constructed of the same material as the brackets.

The LED signal modules shall be replaced or repaired if an LED signal module fails to function as intended due to workmanship or material defects. LED signal modules which exhibit luminous intensities less than the minimum values specified in Table 1 of the ITE Vehicle Traffic Control Signal Heads: Light Emitting Diode (LED) Circular Signal Supplement (June 27, 2005) [VTCSH], or applicable successor ITE specifications, or show signs of entrance of moisture or contaminants, shall be replaced or repaired. The Vendor's written warranty for the LED signal modules shall be dated, signed by a Vendor's representative, and included in the product submittal to the State. See Article 801.14 of the Standard Specifications for warranty information.

(a) Physical and Mechanical Requirements

(1) Modules can be manufactured under this specification for the following faces:

- a. 12 in. (300 mm) circular, multi-section
- b. 12 in. (300 mm) arrow, multi-section

(2) The maximum weight of a module shall be 4 lb (1.8 kg).

(3) Each module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.) and shall be weatherproof after installation and connection.

(4) The lens of the module shall be tinted with a wavelength-matched color to reduce sun phantom effect and enhance on/off contrast. The tinting shall be uniform across the lens face. Polymeric lens shall provide a surface coating or chemical surface treatment applied to provide abrasion resistance. The lens of the module shall be integral to the unit, convex with a smooth outer surface and made of plastic. The lens shall have a textured surface to reduce glare.

(5) The use of tinting or other materials to enhance ON/OFF contrasts shall not affect chromaticity and shall be uniform across the face of the lens.

(6) Each module shall have a symbol of the type of module (i.e. circle, arrow, etc.) in the color of the module. The symbol shall be 1 in. (25.4 mm) in diameter. Additionally, the color shall be written out in 1/2 in. (12.7mm) letters next to the symbol.

(b) Photometric Requirements

(1) The LEDs utilized in the modules shall be AlInGaP technology for red and InGaN for green and amber indications and shall be the ultra bright type rated for 100,000 hours of continuous operation from -40 °C to 74 °C.

(c) Electrical

(1) Maximum power consumption for LED modules as per the tables in Article 1078.01.

(2) Operating voltage of the modules shall be 120 VAC. All parameters shall be measured at this voltage.

(3) The modules shall be operationally compatible with currently used controller assemblies (solid state load switches, flashers, and conflict monitors).

- (4) When a current of 20 mA AC or less is applied to the unit, the voltage read across the two leads shall be 15 VAC or less.
- (5) The LED modules shall provide constant light output under power. Modules with dimming capabilities shall have the option disabled or set on a non-dimming operation.
- (6) LED arrows shall be wired such that a loss or the failure of one or more LEDs

(d) Retrofit Traffic Signal Module

The following specification requirements apply to the Retrofit module only. All general specifications apply unless specifically superseded in this section.

- (1) Retrofit modules can be manufactured under this specification for the following faces:
 - a. 12 in. (300 mm) circular, multi-section
 - b. 12 in. (300 mm) arrow, multi-section
 - (2) Each Retrofit module shall be designed to be installed in the doorframe of a standard traffic signal housing. The Retrofit module shall be sealed in the doorframe with a one-piece EPDM (ethylene propylene rubber) gasket.
 - (3) The maximum weight of a Retrofit module shall be 4 lb (1.8 kg).
 - (4) Each Retrofit module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.) and shall be weatherproof after installation and connection.
 - (5) Electrical conductors for modules, including Retrofit modules, shall be 39-2/5 in. (1 m) in length, with quick disconnect terminals attached.
 - (6) The lens of the Retrofit module shall be integral to the unit, shall be convex with a smooth outer surface and made of plastic or of glass.
- (e) The following specification requirements apply to the 12 in. (300 mm) arrow module only. All general specifications apply unless specifically superseded in this section.
- (1) The arrow module shall meet specifications stated in Section 9.01 of the Equipment and Material Standards of the Institute of Transportation Engineers (November 1998) [ITE Standards], Chapter 2 (Vehicle Traffic Control Signal Heads) or applicable successor ITE specifications for arrow indications.
 - (2) The LEDs arrow indication shall be a solid display with a minimum of three (3) outlining rows of LEDs and at least one (1) fill row of LEDs.
- (f) The following specification requirement applies to the 12 in. (300 mm) programmed visibility (PV) module only. All general specifications apply unless specifically superseded in this section.
- (1) The LED module shall be a module designed and constructed to be installed in a programmed visibility (PV) signal housing without modification to the housing.

Delete the fourth paragraph of Article 880.03 of the Standard Specifications. Refer to the "Bagging Signal Heads" section of the District 1 Traffic Signal Special Provision 800.01TS TRAFFIC SIGNAL GENERAL REQUIREMENTS."

Basis of Payment.

Add the following to the first paragraph of Article 880.04 of the Standard Specifications:

“The price shall include furnishing the equipment described above, all mounting hardware and installing them in satisfactory operating condition.”

Revise the second paragraph of Article 880.04 of the Standard Specifications to read:

If the work consists of retrofitting an existing polycarbonate traffic signal head with light emitting diodes (LEDs), it will be paid for as a SIGNAL HEAD, LED, RETROFIT, of the type specified, and of the particular kind of material, when specified. Price shall be payment in full for removal of the existing module, furnishing the equipment described above including LED modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of signal faces, the number of signal sections in each signal face and the method of mounting.

LIGHT EMITTING DIODE (LED) PEDESTRIAN SIGNAL HEAD

Effective: May 22, 2002

Revised: March 1, 2024

881.01TS

Add the following to the third paragraph of Article 881.03 of the Standard Specifications:

“No mixing of different types of pedestrian traffic signals or displays shall be permitted.”

Delete the fourth paragraph of Article 881.03 of the Standard Specifications. Refer to the “Bagging Signal Heads” section of the District 1 Traffic Signal Special Provision 800.01TS TRAFFIC SIGNAL GENERAL REQUIREMENTS.

Add the following to Article 881.03 of the Standard Specifications:

“Pedestrian Countdown Signal Heads shall be 16 in. (406mm) x 18 in. (457mm) single units with glossy yellow or black polycarbonate housings. All pedestrian head housings shall be the same color (yellow or black) at the intersection. For new signalized intersections and existing signalized intersections where all pedestrian heads are being replaced, the proposed head housings shall be black. Where only selected heads are being replaced, the proposed head housing color (yellow or black) shall match existing head housings. Connecting hardware and mounting brackets shall be polycarbonate (black). A corrosion resistant anti-seize lubricant shall be applied to all metallic mounting bracket joints, and shall be visible to the inspector at the signal turn-on.

Each pedestrian signal LED module shall be fully MUTCD compliant and shall consist of double overlay message combining full LED symbols of an Upraised Hand and a Walking Person. “Egg Crate” type sun shields are not permitted. Numerals shall measure 9 in. (229mm) in height and easily identified from a distance of 120 ft (36.6m).”

Materials.

Add the following to Article 1078.02 of the Standard Specifications:

“The module shall operate in one mode: Clearance Cycle Countdown Mode Only. The countdown module shall display actual controller programmed clearance cycle and shall start counting when the flashing clearance signal turns on and shall countdown to “0” and turn off when the steady Upraised Hand (symbolizing Don’t Walk) signal turns on. The module shall not have user accessible switches or controls for modification of cycle.

At power on, the module shall enter a single automatic learning cycle. During the automatic learning cycle, the countdown display shall remain dark.

The module shall re-program itself if it detects any increase or decrease of Pedestrian Timing. The counting unit will go blank once a change is detected and then take one complete pedestrian cycle (with no counter during this cycle) to adjust its buffer timer.

If the controller preempts during the Walking Person (symbolizing Walk), the countdown will follow the controller's directions and will adjust from Walking Person to flashing Upraised Hand. It will start to count down during the flashing Upraised Hand.

If the controller preempts during the flashing Upraised Hand, the countdown will continue to count down without interruption.

The next cycle following the preemption event shall use the correct, initially programmed values.

If the controller output displays Upraised Hand steady condition and the unit has not arrived to zero or if both the Upraised Hand and Walking Person are dark for some reason, the unit suspends any timing and the digits will go dark.

The digits will go dark for one pedestrian cycle after loss of power of more than 1.5 seconds.

The countdown numerals shall be two (2) "7 segment" digits forming the time display utilizing two rows of LEDs.

The LED module shall meet the requirements of the Institute of Transportation Engineers (ITE) LED purchase specification, "Pedestrian Traffic Control Signal Indications - Part 2: LED Pedestrian Traffic Signal Modules," or applicable successor ITE specifications, except as modified herein.

The LED modules shall provide constant light output under power. Modules with dimming capabilities shall have the option disabled or set on a non-dimming operation.

In the event of a power outage, light output from the LED modules shall cease instantaneously.

The LEDs utilized in the modules shall be AlInGaP technology for Portland Orange (Countdown Numerals and Upraised Hand) and GaN technology for Lunar White (Walking Person) indications.

The individual LEDs shall be wired such that a loss or the failure of one or more LED will not result in the loss of the entire module.

See Article 801.14 of the Standard Specifications for warranty information."

Basis of Payment.

Add the following to the first paragraph of Article 881.04 of the Standard Specifications:

"The price shall include furnishing the equipment described above, all mounting hardware, and installing them in satisfactory operating condition."

Add the following to Article 881.04 of the Standard Specifications:

"If the work consists of retrofitting an existing polycarbonate pedestrian signal head and pedestrian countdown signal head with light emitting diodes (LEDs), it will be paid for as a PEDESTRIAN SIGNAL HEAD, LED, RETROFIT, of the type specified, and of the particular kind of material, when specified. Price shall be payment in full for furnishing the equipment described above including LED modules, all mounting hardware, and installing them in satisfactory operating condition."

TRAFFIC SIGNAL BACKPLATE

This item shall be installed as directed by the Engineer and shall meet requirements of Article 1078.03 of the Standard Specifications except as herein modified.

Revise the first sentence of Article 1078.03 of the Standard Specifications to read:

“All backplates shall be louvered and made of formed ABS plastic or composite aluminum.”

Revise the first sentence of the second paragraph of Article 1078.03 of the Standard Specifications to read:

“The backplate shall be composed of one or two pieces.”

Delete the second sentence of the fourth paragraph of Article 1078.03 of the Standard Specifications.

Add the following to the fourth paragraph of Article 1078.03 of the Standard Specifications:

“When retro reflective sheeting is specified, it shall be Type ZZ sheeting according to Article 1091.03 and applied in preferred orientation for the maximum angularity according to the vendor's recommendations. The retroreflective sheeting shall be installed under a controlled environment by the Manufacturer/Vendor before shipment to the Contractor. The formed plastic backplate shall be prepared and cleaned, following recommendations of the retroreflective sheeting Manufacturer.”

Revise the first sentence of the third paragraph of Article 1078.03 of the Standard Specifications to read:

“The backplate shall have a 1 in. (25mm) wide fluorescent yellow retroreflective strip applied to the outside perimeter of the face.”

PEDESTRIAN SIGNAL POST

Effective: January 1, 2020

Revised:

875.02TS

Description.

This work shall consist of furnishing and installing a metal pedestrian signal post. All installations shall meet the requirements of the “District One Standard Traffic Signal Design Details”.

Materials.

- a. General. The pedestrian signal post shall be designed to support the traffic signal loading shown on the plans. The design and fabrication shall be according to the Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, as published by AASHTO.
- b. Post. The post shall be made of steel or aluminum and have an outside diameter of 4 1/2 in. The post shall be threaded for assembly to the base. Aluminum posts shall be according to the specifications for Schedule 80 aluminum pipe. Steel posts shall be according to the specifications for Schedule 40 steel pipe.
- c. Base. The base of a steel post shall be cast iron. The base of an aluminum post shall be aluminum. The base shall be threaded for the attachment to the threaded post. The base shall be approximately 10 in. high and 6 3/4 in. square at the bottom. The bottom of the base shall be designed to accept four 5/8 in. diameter anchor rods evenly spaced in a 6 in. diameter circle. The base shall be true to pattern, with sharp clean cutting ornamentation, and equipped with access doors for cable handling. The door shall be fastened to the base with stainless steel screws. A grounding lug shall be provided inside the base.
- d. Anchor Rods. The anchor rods shall be 5/8 in. in diameter and 16 in. long and shall be according to Article 1006.09. The anchor rods shall be threaded approximately 6 in. at one end and have a bend at the other end. The first 12 in. at the threaded end shall be galvanized. One each galvanized nut and

trapezoidal washer shall be furnished with each anchor rod. The washer shall be properly sized to fully engage and sit flush on all sides of the slot of the base plate.

The aluminum post and base shall be drilled at the third points around the diameter and 1/4 in. by 2 in. stainless steel bolts shall be inserted to prevent the post from turning and wobbling.

e. Finish. The steel post, steel post cap and the cast iron base shall be hot-dipped galvanized according to AASHTO M 111. If the Department approves painting, powder coating by the manufacturer will be required over the galvanization in accordance with 851.01TS TRAFFIC SIGNAL PAINTING Special Provisions. If the post and the base are threaded after the galvanization, the bare exposed metal shall be immediately cleaned to remove all cutting solvents and oils, and then spray painted with two coats of an approved galvanized paint.

The aluminum post shall have a natural finish, 100 grit or finer.

Installation.

The pedestrian signal post shall be erected plumb, securely bolted to a concrete foundation, and grounded to a ground rod according to the details shown on the plans. No more than 3/4 in. of the post threads shall protrude above the base.

A post cap shall be furnished and installed on the top of the post. The post cap shall match the material of the post. The Contractor shall apply an anti-seize paste compound on all nuts and bolts prior to assembly.

Prior to the assembly, the Contractor shall apply two additional coats of galvanized paint on the threads of the post and the base. The Contractor shall use a fabric post tightener to screw the post to the base.

Basis of Payment.

This work will be paid for at the contract unit price per each for PEDESTRIAN SIGNAL POST, of the length specified.

VIDEO DETECTION SYSTEM COMPLETE

This work shall consist of furnishing and installing video detection systems at the McCoy Drive and Cheshire Drive intersection.

The video detection cameras for this project shall be mounted on top of the arm of the combination mast arm assemblies in accordance with the manufacturer's specifications, unless otherwise noted in the plans or directed by the Engineer.

The video detection equipment for this project shall be an Iteris VantageNext or Econolite Autoscope Vision or an approved equivalent by the Engineer as coordinated with the City of Aurora and shall be compatible with the City's Centralized EVP Management System.

General

This specification sets forth the minimum requirements for a system that monitors vehicles on a roadway via processing of video images. The detection of vehicles passing through the field-of-view of an image sensor shall be made available to a large variety of end user applications as simple contact closure outputs that reflect the current real-time detector or alarm states (on/off) or as summary traffic statistics that are reported locally or remotely. The contact closure outputs shall be provided to a traffic signal controller and comply with the National Electrical Manufacturers Association (NEMA) type C or D detector rack or 170 input file rack standards.

The system architecture shall fully support Ethernet networking of system components through a variety of industry standard and commercially available infrastructures that are used in the traffic industry. The data communications shall support direct connect, [modem,] and multi-drop interconnects. Simple, standard Ethernet wiring shall be supported to minimize overall system cost and improve reliability, utilizing existing infrastructure and ease of system installation and maintenance. Both streaming video and data

communications shall optionally be interconnected over long distances through fiber optic, microwave, or other commonly used digital communications transport configurations.

On the software application side of the network, the system shall be integrated through a client-server relationship. A communications server application shall provide the data communications interface between as few as one to as many as hundreds of Machine Vision Processor (MVP) sensors and a number of client applications. The client applications shall either be hosted on the same PC as the communications server or may be distributed over a local area network of PC's using the industry standard TCP/IP network protocol. Multiple client applications shall execute simultaneously on the same host or multiple hosts, depending on the network configuration. Additionally, a web-browser interface shall allow use of industry standard Internet web browsers to connect to MVP sensors for setup, maintenance, and playing digital streaming video.

System Hardware. The machine vision system hardware shall consist of three components: 1) a color, 22x zoom, MVP sensor 2) a modular cabinet interface unit 3) a communication interface panel. Additionally, an optional personal computer (PC) shall host the server and client applications that are used to program and monitor the system components. The real-time performance shall be observed by viewing the video output from the sensor with overlaid flashing detectors to indicate the current detection state (on/off). The MVP sensor shall optionally store cumulative traffic statistics internally in non-volatile memory for later retrieval and analysis.

The MVP shall communicate to the modular cabinet interface unit via the communications interface panel and the software applications using the industry standard TCP/IP network protocol. The MVP shall have a built-in, Ethernet-ready, Internet Protocol (IP) address and shall be addressable with no plug in devices or converters required. The MVP shall provide standard MPEG-4 streaming digital video. Achievable frame rates shall vary from 5 to 30 frames/sec as a function of video quality and available bandwidth.

The modular cabinet interface unit shall communicate directly with up to eight (8) MVP sensors and shall comply with the form factor and electrical characteristics to plug directly into a NEMA type C or D detector rack providing up to thirty-two (32) inputs and sixty-four (64) outputs or a 170 input file rack providing up to sixteen (16) contact closure inputs and twenty-four (24) contact closure outputs to a traffic signal controller.

The communication interface panel shall provide four (4) sets of three (3) electrical terminations for three-wire power cables for up to eight (8) MVP sensors that may be mounted on a pole or mast arm with a traffic signal cabinet or junction box. The communication interface panel shall provide high-energy transient protection to electrically protect the modular cabinet interface unit and connected MVP sensors. The communications interface panel shall provide single-point Ethernet connectivity via RJ45 connector for communication to and between the modular cabinet interface module and the MVP sensors.

System Hardware. The MVP sensor embedded software shall incorporate multiple applications that perform a variety of diagnostic, installation, fault tolerant operations, data communications, digital video streaming, and vehicle detection processing. The detection shall be reliable, consistent, and perform under all weather, lighting, and traffic congestion levels. An embedded web server shall permit standard internet browsers to connect and perform basic configuration, maintenance, and video streaming services.

There shall be a suite of client applications that reside on the host client / server PC. The applications shall execute under Microsoft Windows XP or Vista. Available client applications shall include:

- Master network browser: Learn a network of connected modular cabinet interface units and MVP sensors, display basic information, and launch applications software to perform operations within that system of sensors.
- Configuration setup: Create and modify detector configurations to be executed on the MVP

- sensor and the modular cabinet interface unit.
- Operation log: Retrieve, display, and display field hardware run-time operation logs of special events that have occurred.
- Software install: Reconfigure one or more MVP sensors with a newer release of embedded system software.
- Streaming video player: Play and record streaming video with flashing detector overlay.
- Data retrieval: Fetch one or poll for traffic data and alarms and store on PC storage media.
- Communications server: Provide fault-tolerant, real-time TCP/IP communications to/from all devices and client applications with full logging capability for systems integration.

Functional Capabilities – MVP Sensor

The MVP sensor shall be an integrated imaging color CCD array with zoom lens optics, high-speed, dualcore image processing hardware bundled into a sealed enclosure. The CCD array shall be directly controlled by the dual-core processor, thus providing high-quality video for detection that has virtually no noise to degrade detection performance. It shall be possible to zoom the lens as required for setup and operation. It shall provide JPEG video compression as well as standard MPEG-4 digital streaming video with flashing detector overlay. The MVP shall provide direct real-time iris and shutter speed control. The MVP image sensor shall be equipped with an integrated 22x zoom lens that can be changed using either configuration computer software. The digital streaming video output and all data communications shall be transmitted over the three-wire power cable.

Power. The MVP sensor shall operate on 110/220 VAC, 50/60Hz at a maximum of 25 watts. The camera and processor electronics shall consume a maximum of 10 watts and the remaining 15 watts shall support an enclosure heater.

Detection Zone Programming. Placement of detection zones shall be by means of a PC with a Windows XP or Vista operating system, a keyboard, and a mouse. The PC monitor shall be able to show the detection zones superimposed on images of traffic scenes.

The detection zones shall be created by using a mouse to draw detection zones on the PC monitor. Using the mouse and keyboard it shall be possible to place, size, and orient detection zones to provide optimal road coverage for vehicle detection. It shall be possible to download detector configurations from the PC to the MVP sensor and cabinet interface module, to retrieve the detector configuration that is currently running in the MVP sensor, and to back up detector configurations by saving them to the PC fixed disks or other removable storage media.

The supervisor computer's mouse and keyboard shall be used to edit previously defined detector configurations to permit adjustment of the detection zone size and placement, to add detectors for additional traffic applications, or to reprogram the MVP sensor for different traffic applications or changes in installation site geometry or traffic rerouting.

Optimal Detection. The video detection system shall optimally detect vehicle passage and presence when the MVP sensor is mounted 30 feet (10 m) or higher above the roadway, when the image sensor is adjacent to the desired coverage area, and when the distance to the farthest detection zone locations are not greater than ten (10) times the mounting height of the MVP. The recommended deployment geometry for optimal detection also requires that there be an unobstructed view of each traveled lane where detection is required. Although optimal detection may be obtained when the MVP is mounted directly above the traveled lanes, the MVP shall not be required to be directly over the roadway. The MVP shall be able to view either approaching or receding traffic or both in the same field of view. The preferred MVP sensor orientation shall be to view approaching traffic since there are more high contrast features on vehicles as viewed from the front rather than the rear. The MVP sensor placed at a mounting height that minimizes vehicle image occlusion shall be able to simultaneously monitor a maximum of six (6) traffic lanes when mounted at the road-side or up to eight (8) traffic lanes when mounted in the center with four lanes on each side.

Functional Capabilities – Modular Cabinet Interface Unit

The modular cabinet interface unit shall provide the hardware and software means for up to eight (8) MVP sensors to communicate real-time detection states and alarms to a local traffic signal controller. It shall comply with the electrical and protocol specifications of the detector rack standards. The card shall have 1500 Vrms isolation between rack logic ground and street wiring.

The modular cabinet interface unit shall be a simple interface card that plugs directly into a 170 input file rack or a NEMA type C or D detector rack. The modular cabinet interface unit shall occupy only 2 slots of the detector rack. The modular cabinet interface unit shall accept up to sixteen (16) phase inputs and shall provide up to twenty-four (24) detector outputs.

Functional Capabilities – Communications Interface Panel

The communications interface panel shall support up to eight MVPs. The communications interface panel shall accept 110/220 VAC, 50/60 Hz power and provide predefined wire termination blocks for MVP power connections, a Broadband-over-Power-Line (BPL) transceiver to support up to 10MB/s interdevice communications, electrical surge protectors to isolate the modular cabinet interface unit and MVP sensors, and an interface connector to cable directly to the modular cabinet interface unit.

The interface panel shall provide power for up to eight (8) MVP sensors, taking local line voltage 110/220 VAC, 50/60 Hz and producing 110/220 VAC, 50/60 Hz, at about 30 watts to each MVP sensor. Two ½-amp SLO-BLO fuses, or an equal approved by the Engineer as coordinated with the City of Aurora, shall protect the communications interface panel.

System Installation and Training

The supplier of the video detection system may supervise the installation and testing of the video detection system and computer equipment as required by the contracting agency.

Training is available to personnel of the contracting agency in the operation, set up, and maintenance of the video detection system. The MVP sensor and its support hardware / software is a sophisticated leading-edge technology system. Proper instruction from certified instructors is recommended to ensure that the end user has complete competency in system operation. The User's Guide is not an adequate substitute for practical classroom training and formal certification by an approved agency.

Warranty, Service, and Support

For a minimum of two (2) years, the supplier shall warrant the video detection system. Ongoing software support by the supplier shall include software updates of the MVP sensor, modular cabinet interface unit, and supervisor computer applications. These updates shall be provided free of charge during the warranty period. The supplier shall maintain a program for technical support and software updates following expiration of the warranty period. This program shall be available to the contracting agency in the form of a separate agreement for continuing support.

Basis of Payment

This work will be paid for at the contract unit price per EACH for VIDEO DETECTION SYSTEM COMPLETE, which price shall include all labor, materials, and equipment necessary to mount the video detection cameras. Each intersection will be paid for separately.

EMERGENCY VEHICLE PRIORITY SYSTEM

Effective: May 22, 2002

Revised: July 1, 2015

887.01TS

Revise Section 887 of the Standard Specifications to read:

It shall be the Contractor's responsibility to contact the municipality or fire district to verify the brand of emergency vehicle pre-emption equipment to be installed prior to the contract bidding. The equipment must be completely compatible with all components of the equipment currently in use by the Agency.

All new installations shall be equipped with Confirmation Beacons as shown on the "District One Standard Traffic Signal Design Details." The Confirmation Beacon shall consist of a 6 watt Par 38 LED flood lamp with a 30 degree light spread, or a 7 watt Par 30 LED flood lamp with a 15 degree or greater spread, maximum 7 watt energy consumption at 120V, and a 2,000 hour warranty for each direction of pre-emption. The lamp shall have an adjustable mount with a weatherproof enclosure for cable splicing. All hardware shall be cast aluminum or stainless steel. Holes drilled into signal poles, mast arms, or posts shall require rubber grommets. In order to maintain uniformity between communities, the confirmation beacons shall indicate when the control equipment receives the pre-emption signal. The pre-emption movement shall be signalized by a flashing indication at the rate specified by Section 4L.01 of the "Manual on Uniform Traffic Control Devices," and other applicable sections of future editions. The stopped pre-empted movements shall be signalized by a continuous indication.

All light operated systems shall include security and transit preemption software and operate at a uniform rate of 14.035 Hz \pm 0.002, or as otherwise required by the Engineer, and provide compatible operation with other light systems currently being operated in the District.

This item shall include any required modifications to an existing traffic signal controller as a result of the addition of the EMERGENCY VEHICLE PRIORITY SYSTEM.

Basis of Payment.

The work shall be paid for at the contract unit price each for furnishing and installing LIGHT DETECTOR and LIGHT DETECTOR AMPLIFIER. Furnishing and installing the confirmation beacon shall be included in the cost of the Light Detector. Any required modifications to the traffic signal controller shall be included in the cost of the LIGHT DETECTOR AMPLIFIER. The preemption detector amplifier shall be paid for on a basis of (1) one each per intersection controller and shall provide operation for all movements required in the pre-emption phase sequence.

ACCESSIBLE PEDESTRIAN SIGNALS

Effective: April 1, 2003

Revised: November 1, 2023

888.02TS

Description. This work shall consist of furnishing and installing accessible pedestrian signals (APS). Each APS shall consist of an interactive vibrotactile pedestrian pushbutton with speaker, an informational sign, a light emitting diode (LED) indicator light, a solid-state electronic control board, a power supply, wiring, and mounting hardware. The APS shall meet the requirements of the MUTCD and Sections 801 and 888 of the Standard Specifications, except as modified herein.

Add the following to Article 888.03 of the Standard Specifications:

A mounting bracket and/or extension shall be used to assure proper orientation and accessibility where needed. The price of the bracket and/or extension shall be included in the cost of the pedestrian push button. The contractor is not allowed to install a push-button assembly with the sign below the push-button to meet mounting requirements.

Add the following to Article 1074.02(e) of the Standard Specifications:

Stations shall be designed to be mounted to a post, mast arm pole or wood pole. The station shall be aluminum and shall accept a 3 inch round push-button assembly and a regulatory pedestrian instruction sign according to MUTCD, sign series R10-3e 9" x 15" sign with arrow(s) for a count-down pedestrian signal. Stations shall be powder coated yellow with a black pushbutton and stainless steel arrow on pushbutton.

Electrical Requirements. The APS shall operate with systems providing 95 to 130 VAC, 60 Hz and throughout an ambient air temperature range of -29 to +160 °F (-34 to +70 °C).

The APS shall contain a power protection circuit consisting of both fuse and transient protection.

Audible Indications. A pushbutton locator tone shall sound at each pushbutton and shall be deactivated during the associated walk indication and when associated traffic signals are in flashing mode. Pushbutton locator tones shall have a duration of 0.15 seconds or less and shall repeat at 1-second intervals. Each actuation of the pushbutton shall be accompanied by the speech message "Wait". Locator tones shall be audible 6 to 12 ft from pushbutton.

If two accessible pedestrian pushbuttons are placed less than 10 ft apart or placed on the same pole, the audible walk and don't walk indication shall be a speech message. This speech message shall sound throughout the WALK interval only. Common street name shall be used and not the route number of the street unless there is no common street name. The street name used in programming shall reflect the street name mast arm mounted sign panel. Locations without street name (ex. private benefit driveways, shopping plaza entrance, etc.) shall use a general term "Commercial Driveway" as a street name for that leg. The speech message shall be modeled after: "'Street Name.' Walk Sign is on to cross 'Street Name.'" For signalized intersections utilizing exclusive pedestrian phasing, the verbal message shall be "Walk sign is on for all crossings". In addition, a speech pushbutton information message shall be provided by actuating the APS pushbutton during DON'T WALK interval. This verbal message shall be modeled after: "Wait". The extended press option verbal message shall be: "Wait to cross 'Street Name' at 'Street Name'".

Railroad Preemption.

At locations with railroad interconnection APS pushbutton shall be capable of receiving a railroad preemption similar to a traffic signal controller and shall be hard wired to the railroad preemption relay inside the traffic signal cabinet. A shelf mount control unit shall be provided and installed inside the cabinet capable of receiving and transmitting the railroad preemption to all the push buttons.

At railroad intersections all APS pushbuttons shall use the speech message and shall follow the below speech models.

During Don't Walk: "Wait to cross 'Street Name' at 'Street Name', Caution, Walk time shortened when train approaches" – this does not repeat, plays only once with every push button press.

During Walk: "Walk sign is on to cross 'Street Name', – this repeats as many times as possible during Walk interval only.

During Railroad preemption: All push buttons at same time "Train Approaching" – this message shall be repeated two times.

At locations with emergency vehicle preemption, NO additional speech message shall be provided.

At locations with Equestrian Pushbuttons style installation the APS push buttons shall use speech message only and shall emit the audible message from the bottom mounted push button only.

Locations with Corner Islands or Center Medians

At locations with corner islands pushbuttons shall follow the requirement of the 10 ft as specified herein regarding the percussive tone vs a speech message. When push buttons are closer than 10 ft apart the speech message shall follow the format specified herein for the main street crossing. The speech message shall follow the below speech models for the unusual configurations.

Crossing of the right turn lane from or to Corner Island: "Wait to cross right turn lane for 'Street Name' at 'Street Name' crosswalks" and "Walk sign is on to cross right turn lane for 'Street Name' at 'Street Name' crosswalks"

Crossing from Corner Island to Corner Island where second pushbutton actuation is required: "Wait to cross 'Street Name' at 'Street Name' to median with second pushbutton" and "Walk sign is on to cross 'Street Name' to median with second pushbutton"

Center Medians on a divided highways with push buttons will require pushbutton to have a dual arrow on the pushbutton.

Where two accessible pedestrian pushbuttons are separated by 10 ft or more, the walk indication shall be an audible percussive tone. It shall repeat at 8 to 10 ticks per second with a dominant frequency of 880 Hz. Percussive tone shall be uniform at all stations at the intersection and shall not change for different directions.

Automatic volume adjustments in response to ambient traffic sound level shall be provided up to a maximum volume of 100 dBA. Locator tone and verbal messages shall be no more than 5 dB louder than ambient sound. Locator tone and speech message shall be programmed at same volume one shall not be significantly louder than the other and shall be adjusted as directed by the Engineer.

Pedestrian Pushbutton. Pedestrian pushbuttons shall be at least 2 in. (50 mm) in diameter or width. The force required to activate the pushbutton shall be no greater than 3.5 lb (15.5 N).

A red LED shall be located on or near the pushbutton which, when activated, acknowledges the pedestrians request to cross the street.

APS pushbutton systems that utilize any wireless technology including Bluetooth technology to place calls or communicate with controller will not be allow. A central master control unit shall be provided and installed in the traffic signal cabinet. Push button shall be connected directly to the master control unit in the traffic signal cabinet using only 2 wires. All pushbuttons shall be capable of placing a pedestrian call request into the controller and shall be hard wired. APS pushbuttons shall be a direct replacement of existing standard push buttons and shall be weather resistant with a minimum warranty of 5 years.

APS push buttons shall be compatible with one another and easily replaceable on future replacements or maintenance repairs no multiple model variations will be allowed.

All APS pushbuttons shall come with the messages pre-programmed for each particular intersection regardless of the location or the 10 ft separation. Final field adjustments including percussive tone vs speech message use shall be completed once push buttons are installed in the final location. All push buttons shall be programmed with the appropriate parameters and settings as directed by the Engineer. These settings shall be standard for all pushbuttons and will vary based on the manufacturer. Access to pushbutton settings shall be provided through an app either through wired, wireless, or Bluetooth connection. Pushbutton information, settings, and access instructions shall all be provided in a weatherproof pouch and safely stored inside each traffic signal cabinet.

Contractor shall remove any existing pedestrian isolation boards, field wire terminals, and any wires to the board when easily accessible. If the pedestrian isolation board has been installed from the factory on the back panel of the cabinet, contractor is to disconnect the power to the isolation board and any wires while leaving the board mounted. This work shall be included in the cost of Accessible Pedestrian Signals and will not be paid for separately.

Signage. A sign shall be located immediately above the pedestrian pushbutton and parallel to the crosswalk controlled by the pushbutton. The sign shall conform to the following standard MUTCD design: R10-3e.



R10-3E

Tactile Arrow. A tactile arrow, pointing in the direction of travel controlled by a pushbutton, shall be provided on the pushbutton.

Vibrotactile Feature. The pushbutton shall pulse when depressed and shall vibrate continuously throughout the WALK interval.

Basis of Payment. This work will be paid for at the contract unit price per each for ACCESSIBLE PEDESTRIAN SIGNALS and shall include furnishing, installation, mounting hardware including extension brackets if required, and programming of the push button.

FRICITION AGGREGATE (D1)

Effective: January 1, 2011
 Revised: December 1, 2021

Revise Article 1004.03(a) of the Standard Specifications to read:

"1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA). The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete
HMA Low ESAL	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{1/} Crushed Concrete

Use	Mixture	Aggregates Allowed								
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L SMA Binder	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete ^{3/}								
HMA High ESAL Low ESAL	C Surface and Binder IL-9.5 IL-9.5FG or IL-9.5L	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/} Crushed Concrete ^{3/}								
HMA High ESAL	D Surface and Binder IL-9.5 or IL-9.5FG	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone (other than Limestone) ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/}								
		<u>Other Combinations Allowed:</u>								
		<table border="1"> <thead> <tr> <th>Up to...</th> <th>With...</th> </tr> </thead> <tbody> <tr> <td>25% Limestone</td> <td>Dolomite</td> </tr> <tr> <td>50% Limestone</td> <td>Any Mixture D aggregate other than Dolomite</td> </tr> <tr> <td>75% Limestone</td> <td>Crushed Slag (ACBF) or Crushed Sandstone</td> </tr> </tbody> </table>	Up to...	With...	25% Limestone	Dolomite	50% Limestone	Any Mixture D aggregate other than Dolomite	75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone
Up to...	With...									
25% Limestone	Dolomite									
50% Limestone	Any Mixture D aggregate other than Dolomite									
75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone									
HMA High ESAL	E Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.								
		<u>Other Combinations Allowed:</u>								
		<table border="1"> <thead> <tr> <th>Up to...</th> <th>With...</th> </tr> </thead> <tbody> <tr> <td>50% Dolomite^{2/}</td> <td>Any Mixture E aggregate</td> </tr> <tr> <td>75% Dolomite^{2/}</td> <td>Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone</td> </tr> </tbody> </table>	Up to...	With...	50% Dolomite ^{2/}	Any Mixture E aggregate	75% Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone		
Up to...	With...									
50% Dolomite ^{2/}	Any Mixture E aggregate									
75% Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone									

Use	Mixture	Aggregates Allowed	
		75% Crushed Gravel ^{2/}	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag
HMA High ESAL	F Surface IL-9.5 SMA Ndesign 80 Surface	Allowed Alone or in Combination ^{5/ 6/} :	
		Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		Other Combinations Allowed:	
		Up to... 50% Crushed Gravel ^{2/} or Dolomite ^{2/}	With... Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone

- 1/ Crushed steel slag allowed in shoulder surface only.
- 2/ Carbonate crushed stone (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80.
- 3/ Crushed concrete will not be permitted in SMA mixes.
- 4/ Crushed steel slag shall not be used as binder.
- 5/ When combinations of aggregates are used, the blend percent measurements shall be by volume."
- 6/ Combining different types of aggregate will not be permitted in SMA Ndesign 80."

GENERAL CONSTRUCTION REQUIREMENTS

Installation.

The sign sizes and legend sizes shall be verified by the Contractor prior to fabrication.

Signs which are placed along the roadway and/or within the construction zone shall be installed according to the requirements of Article 701.14 and Article 720.04. The signs shall be 7 ft (2.1 m) above the near edge of the pavement and shall be a minimum of 2 ft (600 mm) beyond the edge of the paved shoulder. A minimum of two (2) posts shall be used.

The attachment of temporary signs to existing bridges, sign structures or sign panels shall be approved by the Engineer. Any damage to the existing signs and/or structures due to the Contractor's operations shall be repaired or signs replaced, as determined by the Engineer, at the Contractor's expense.

Method of Measurement.

This work shall be measured for payment in square feet (square meters) edge to edge (horizontally and vertically).

All hardware, posts or skids, supports, bases for ground mounted signs, connections, which are required for mounting these signs will be included as part of this pay item.

Basis of Payment.

This work shall be paid for at the contract unit price Lump Sum for Construction Layout.

CEMENT, TYPE IL (BDE)

Effective: August 1, 2023

Add the following to Article 302.02 of the Standard Specifications:

"(k) Type IL Portland-Limestone Cement 1001"

Revise Note 2 of Article 352.02 of the Standard Specifications to read:

"Note 2. Either Type I or Type IA portland cement or Type IL portland-limestone cement shall be used."

Revise Note 1 of Article 404.02 of the Standard Specifications to read:

"Note 1. The cement shall be Type I portland cement or Type IL portland-limestone cement."

Revise Article 1019.02(a) of the Standard Specifications to read:

"(a) Cement, Type I or IL 1001"

80449

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

"(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

- (1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
- (2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
- (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days."

Revise Article 107.40(c) of the Standard Specifications to read:

"(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

- (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

- (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

- (3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

- (1) When adverse weather prevents work on the controlling item.
- (2) When job conditions due to recent weather prevent work on the controlling item.
- (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
- (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
- (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
- (6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

- "(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited."

Add the following to Section 109 of the Standard Specifications.

"109.13 Payment for Contract Delay. Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
 - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and One Clerk
Over \$50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

- (2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.
- (c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

80384

PERFORMANCE GRADED ASPHALT BINDER (BDE)

Effective: January 1, 2023

Revise Article 1032.05 of the Standard Specifications to read:

"1032.05 Performance Graded Asphalt Binder. These materials will be accepted according to the Bureau of Materials Policy Memorandum, "Performance Graded Asphalt Binder Qualification Procedure." The Department will maintain a qualified producer list. These materials shall be free from water and shall not foam when heated to any temperature below the actual flash point. Air blown asphalt, recycle engine oil bottoms (ReOB), and polyphosphoric acid (PPA) modification shall not be used.

When requested, producers shall provide the Engineer with viscosity/temperature relationships for the performance graded asphalt binders delivered and incorporated in the work.

- (a) Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 "Standard Specification for Performance Graded Asphalt Binder" for the grade shown on the plans and the following.

Test	Parameter
Small Strain Parameter (AASHTO PP 113) BBR, ΔT_c , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5 °C min.

- (b) Modified Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 "Standard Specification for Performance Graded Asphalt Binder" for the grade shown on the plans.

Asphalt binder modification shall be performed at the source, as defined in the Bureau of Materials Policy Memorandum, "Performance Graded Asphalt Binder Qualification Procedure."

Modified asphalt binder shall be safe to handle at asphalt binder production and storage temperatures or HMA construction temperatures. Safety Data Sheets (SDS) shall be provided for all asphalt modifiers.

- (1) Polymer Modification (SB/SBS or SBR). Elastomers shall be added to the base asphalt binder to achieve the specified performance grade and shall be either a styrene-butadiene diblock, triblock copolymer without oil extension, or a styrene-butadiene rubber. The polymer modified asphalt binder shall be smooth, homogeneous, and be according to the requirements shown in Table 1 or 2 for the grade shown on the plans.

Table 1 - Requirements for Styrene-Butadiene Copolymer (SB/SBS)
Modified Asphalt Binders

Test	Asphalt Grade SB/SBS PG 64-28 SB/SBS PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SB/SBS PG 76-22 SB/SBS PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

Table 2 - Requirements for Styrene-Butadiene Rubber (SBR) Modified Asphalt Binders		
Test	Asphalt Grade SBR PG 64-28 SBR PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SBR PG 76-22 SBR PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
Toughness ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	110 (12.5) min.	110 (12.5) min.
Tenacity ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	75 (8.5) min.	75 (8.5) min.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	40 min.	50 min.

- (2) Ground Tire Rubber (GTR) Modification. GTR modification is the addition of recycled ground tire rubber to liquid asphalt binder to achieve the specified performance grade. GTR shall be produced from processing automobile and/or truck tires by the ambient grinding method or micronizing through a cryogenic process. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall not contain free metal particles, moisture that would cause foaming of the asphalt, or other foreign materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce sticking and caking of the GTR particles. When tested in accordance with Illinois Modified AASHTO T 27 "Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates" or AASHTO PP 74 "Standard Practice for Determination of Size and Shape of Glass Beads Used in Traffic Markings by Means of Computerized Optical Method", a 50 g sample of the GTR shall conform to the following gradation requirements.

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100

No. 30 (600 μ m)	95 \pm 5
No. 50 (300 μ m)	> 20

GTR modified asphalt binder shall be tested for rotational viscosity according to AASHTO T 316 using spindle S27. GTR modified asphalt binder shall be tested for original dynamic shear and RTFO dynamic shear according to AASHTO T 315 using a gap of 2 mm.

The GTR modified asphalt binder shall meet the requirements of Table 3.

Table 3 - Requirements for Ground Tire Rubber (GTR) Modified Asphalt Binders		
Test	Asphalt Grade GTR PG 64-28 GTR PG 70-22	Asphalt Grade GTR PG 76-22 GTR PG 76-28 GTR PG 70-28
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

- (3) Softener Modification (SM). Softener modification is the addition of organic compounds, such as engineered flux, bio-oil blends, modified vegetable oils, glycol amines, and fatty acid derivatives, to the base asphalt binder to achieve the specified performance grade. Softeners shall be dissolved, dispersed, or reacted in the asphalt binder to enhance its performance and shall remain compatible with the asphalt binder with no separation. Softeners shall not be added to modified PG asphalt binder as defined in Articles 1032.05(b)(1) or 1032.05(b)(2).

An Attenuated Total Reflectance-Fourier Transform Infrared spectrum (ATR-FTIR) shall be collected for both the softening compound as well as the softener modified asphalt binder at the dose intended for qualification. The ATR-FTIR spectra shall be collected on unaged softener modified binder, 20-hour Pressurized Aging Vessel (PAV) aged softener modified binder, and 40-hour PAV aged softener modified binder. The ATR-FTIR shall be collected in accordance with Illinois Test Procedure 601. The electronic files spectral files (in one of the following extensions or equivalent: *.SPA, *.SPG, *.IRD, *.IFG, *.CSV, *.SP, *.IRS, *.GAML, *. [0-9], *.IGM, *.ABS, *.DRT, *.SBM, *.RAS) shall be submitted to the Central Bureau of Materials.

Softener modified asphalt binders shall meet the requirements in Table 4.

Table 4 - Requirements for Softener Modified Asphalt Binders		
Test	Asphalt Grade	
		SM PG 46-28
	SM PG 52-28	SM PG 52-34
	SM PG 58-22	SM PG 58-28
	SM PG 64-22	
Small Strain Parameter (AASHTO PP 113) BBR, Δ Tc, 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5°C min.	
Large Strain Parameter (Illinois Modified AASHTO T 391) DSR/LAS Fatigue Property, $\Delta G^* _{peak}$ τ , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	\geq 54 %	

The following grades may be specified as tack coats.

Asphalt Grade	Use
PG 58-22, PG 58-28, PG 64-22	Tack Coat"

Revise Article 1031.06(c)(1) and 1031.06(c)(2) of the Standard Specifications to read:

- "(1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin ABR shall not exceed the amounts listed in the following table.

HMA Mixtures - RAP/RAS Maximum ABR % ^{1/ 2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

- 1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP/RAS ABR shall not exceed 50 percent of the mixture.
- 2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).
- 3/ The maximum ABR percentages for ground tire rubber (GTR) modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.
- (2) FRAP/RAS. When FRAP is used alone or FRAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the following table.

HMA Mixtures - FRAP/RAS Maximum ABR % ^{1/ 2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	55	45	15
50	45	40	15
70	45	35	15
90	45	35	15
SMA	--	--	25
IL-4.75	--	--	35

- 1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.
- 2/When FRAP/RAS ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).
- 3/The maximum ABR percentages for GTR modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes."

Add the following to the end of Note 2 of Article 1030.03 of the Standard Specifications.

"A dedicated storage tank for the ground tire rubber (GTR) modified asphalt binder shall be provided. This tank shall be capable of providing continuous mechanical mixing throughout and/or recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ±0.40 percent."

80441

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

"This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor's work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%"

80391

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021
 Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

“The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations.”

80439

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010
 Revised: November 1, 2014

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term “equipment” refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment’s respective horsepower range shall be retrofitted:

Effective Dates	Horsepower Range	Model Year
June 1, 2010 ^{1/}	600-749	2002
	750 and up	2006
June 1, 2011 ^{2/}	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006
June 1, 2012 ^{2/}	50-99	2004
	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

- a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (<http://www.epa.gov/cleandiesel/verification/verif-list.htm>), or verified by the California Air Resources Board (CARB) (<http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>); or

- b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

PORTLAND CEMENT CONCRETE (BDE)

Effective: August 1, 2023

Revise the second paragraph of Article 1103.03(a)(4) the Standard Specifications to read:

“The dispenser system shall provide a visual indication that the liquid admixture is actually entering the batch, such as via a transparent or translucent section of tubing or by independent check with an integrated secondary metering device. If approved by the Engineer, an alternate indicator may be used for admixtures dosed at rates of 25 oz/cwt (1630 mL/100 kg) or greater, such as accelerating admixtures, corrosion inhibitors, and viscosity modifying admixtures.”

80451

SEEDING (BDE)

Effective: November 1, 2022

Revise Article 250.07 of the Standard Specifications to read:

“**250.07 Seeding Mixtures.** The classes of seeding mixtures and combinations of mixtures will be designated in the plans.

When an area is to be seeded with two or more seeding classes, those mixtures shall be applied separately on the designated area within a seven day period. Seeding shall occur prior to placement of mulch cover. A Class 7 mixture can be applied at any time prior to applying any seeding class or added to them and applied at the same time.

TABLE 1 - SEEDING MIXTURES		
Class - Type	Seeds	lb/acre (kg/hectare)
1 Lawn Mixture 1/	Kentucky Bluegrass Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	100 (110) 60 (70) 40 (50)
1A Salt Tolerant Lawn Mixture 1/	Kentucky Bluegrass Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) <i>Festuca brevipilla</i> (Hard Fescue) <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70) 20 (20) 20 (20) 20 (20) 60 (70)
1B Low Maintenance Lawn Mixture 1/	Turf-Type Fine Fescue 3/ Perennial Ryegrass Red Top <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	150 (170) 20 (20) 10 (10) 20 (20)
2 Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue) Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) Red Top	100 (110) 50 (55) 40 (50) 10 (10)
2A Salt Tolerant Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue) Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) <i>Festuca brevipila</i> (Hard Fescue) <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70) 20 (20) 30 (20) 30 (20) 60 (70)
3 Northern Illinois Slope Mixture 1/	<i>Elymus canadensis</i> (Canada Wild Rye) 5/ Perennial Ryegrass Alsike Clover 4/ <i>Desmanthus illinoensis</i> (Illinois Bundleflower) 4/ 5/ <i>Schizachyrium scoparium</i> (Little Bluestem) 5/ <i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/ <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass) Oats, Spring Slender Wheat Grass 5/ Buffalo Grass 5/ 7/	5 (5) 20 (20) 5 (5) 2 (2) 12 (12) 10 (10) 30 (35) 50 (55) 15 (15) 5 (5)
3A Southern Illinois Slope Mixture 1/	Perennial Ryegrass <i>Elymus canadensis</i> (Canada Wild Rye) 5/ <i>Panicum virgatum</i> (Switchgrass) 5/ <i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/ <i>Dalea candida</i> (White Prairie Clover) 4/ 5/ <i>Rudbeckia hirta</i> (Black-Eyed Susan) 5/ Oats, Spring	20 (20) 20 (20) 10 (10) 12 (12) 10 (10) 5 (5) 5 (5) 50 (55)

Class – Type	Seeds	lb/acre (kg/hectare)
4 Native Grass 2/ 6/	<i>Andropogon gerardi</i> (Big Blue Stem) 5/	4 (4)
	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/	5 (5)
	<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/	5 (5)
	<i>Elymus canadensis</i> (Canada Wild Rye) 5/	1 (1)
	<i>Panicum virgatum</i> (Switch Grass) 5/	1 (1)
	<i>Sorghastrum nutans</i> (Indian Grass) 5/	2 (2)
	Annual Ryegrass	25 (25)
	Oats, Spring	25 (25)
	Perennial Ryegrass	15 (15)
	4A Low Profile Native Grass 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/
<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/		5 (5)
<i>Elymus canadensis</i> (Canada Wild Rye) 5/		1 (1)
<i>Sporobolus heterolepis</i> (Prairie Dropseed) 5/		0.5 (0.5)
Annual Ryegrass		25 (25)
Oats, Spring		25 (25)
Perennial Ryegrass		15 (15)
4B Wetland Grass and Sedge Mixture 2/ 6/		Annual Ryegrass
	Oats, Spring	25 (25)
	Wetland Grasses (species below) 5/	6 (6)
<u>Species:</u>		<u>% By Weight</u>
<i>Calamagrostis canadensis</i> (Blue Joint Grass)		12
<i>Carex lacustris</i> (Lake-Bank Sedge)		6
<i>Carex slipata</i> (Awl-Fruited Sedge)		6
<i>Carex stricta</i> (Tussock Sedge)		6
<i>Carex vulpinoidea</i> (Fox Sedge)		6
<i>Eleocharis acicularis</i> (Needle Spike Rush)		3
<i>Eleocharis obtusa</i> (Blunt Spike Rush)		3
<i>Glyceria striata</i> (Fowl Manna Grass)		14
<i>Juncus effusus</i> (Common Rush)		6
<i>Juncus tenuis</i> (Slender Rush)		6
<i>Juncus torreyi</i> (Torrey's Rush)		6
<i>Leersia oryzoides</i> (Rice Cut Grass)		10
<i>Scirpus acutus</i> (Hard-Stemmed Bulrush)		3
<i>Scirpus atrovirens</i> (Dark Green Rush)		3
<i>Bolboschoenus fluviatilis</i> (River Bulrush)		3
<i>Schoenoplectus tabernaemontani</i> (Softstem Bulrush)		3
<i>Spartina pectinata</i> (Cord Grass)		4

Class – Type	Seeds	lb/acre (kg/hectare)
5	Forb with Annuals Mixture 2/ 5/ 6/ Annuals Mixture (Below) Forb Mixture (Below)	1 (1) 10 (10)
Annuals Mixture - Mixture not exceeding 25 % by weight of any one species, of the following:		
<i>Coreopsis lanceolata</i> (Sand Coreopsis) <i>Leucanthemum maximum</i> (Shasta Daisy) <i>Gaillardia pulchella</i> (Blanket Flower) <i>Ratibida columnifera</i> (Prairie Coneflower) <i>Rudbeckia hirta</i> (Black-Eyed Susan)		
Forb Mixture - Mixture not exceeding 5 % by weight PLS of any one species, of the following:		
<i>Amorpha canescens</i> (Lead Plant) 4/ <i>Anemone cylindrica</i> (Thimble Weed) <i>Asclepias tuberosa</i> (Butterfly Weed) <i>Aster azureus</i> (Sky Blue Aster) <i>Symphyotrichum leave</i> (Smooth Aster) <i>Aster novae-angliae</i> (New England Aster) <i>Baptisia leucantha</i> (White Wild Indigo) 4/ <i>Coreopsis palmata</i> (Prairie Coreopsis) <i>Echinacea pallida</i> (Pale Purple Coneflower) <i>Eryngium yuccifolium</i> (Rattlesnake Master) <i>Helianthus mollis</i> (Downy Sunflower) <i>Heliopsis helianthoides</i> (Ox-Eye) <i>Liatris aspera</i> (Rough Blazing Star) <i>Liatris pycnostachya</i> (Prairie Blazing Star) <i>Monarda fistulosa</i> (Prairie Bergamot) <i>Parthenium integrifolium</i> (Wild Quinine) <i>Dalea candida</i> (White Prairie Clover) 4/ <i>Dalea purpurea</i> (Purple Prairie Clover) 4/ <i>Physostegia virginiana</i> (False Dragonhead) <i>Potentilla arguta</i> (Prairie Cinquefoil) <i>Ratibida pinnata</i> (Yellow Coneflower) <i>Rudbeckia subtomentosa</i> (Fragrant Coneflower) <i>Silphium laciniatum</i> (Compass Plant) <i>Silphium terebinthinaceum</i> (Prairie Dock) <i>Oligoneuron rigidum</i> (Rigid Goldenrod) <i>Tradescantia ohiensis</i> (Spiderwort) <i>Veronicastrum virginicum</i> (Culver's Root)		

Class – Type	Seeds	lb/acre (kg/hectare)
5A Large Flower Native Forb Mixture 2/ 5/ 6/	Forb Mixture (see below)	5 (5)
<u>Species:</u>		<u>% By Weight</u>
<i>Aster novae-angliae</i> (New England Aster)		5
<i>Echinacea pallida</i> (Pale Purple Coneflower)		10
<i>Helianthus mollis</i> (Downy Sunflower)		10
<i>Heliopsis helianthoides</i> (Ox-Eye)		10
<i>Liatris pycnostachya</i> (Prairie Blazing Star)		10
<i>Ratibida pinnata</i> (Yellow Coneflower)		5
<i>Rudbeckia hirta</i> (Black-Eyed Susan)		10
<i>Silphium laciniatum</i> (Compass Plant)		10
<i>Silphium terebinthinaceum</i> (Prairie Dock)		20
<i>Oligoneuron rigidum</i> (Rigid Goldenrod)		10
5B Wetland Forb 2/ 5/ 6/	Forb Mixture (see below)	2 (2)
<u>Species:</u>		<u>% By Weight</u>
<i>Acorus calamus</i> (Sweet Flag)		3
<i>Angelica atropurpurea</i> (Angelica)		6
<i>Asclepias incarnata</i> (Swamp Milkweed)		2
<i>Aster puniceus</i> (Purple Stemmed Aster)		10
<i>Bidens cernua</i> (Beggarticks)		7
<i>Eutrochium maculatum</i> (Spotted Joe Pye Weed)		7
<i>Eupatorium perfoliatum</i> (Boneset)		7
<i>Helenium autumnale</i> (Autumn Sneezeweed)		2
<i>Iris virginica shrevei</i> (Blue Flag Iris)		2
<i>Lobelia cardinalis</i> (Cardinal Flower)		5
<i>Lobelia siphilitica</i> (Great Blue Lobelia)		5
<i>Lythrum alatum</i> (Winged Loosestrife)		2
<i>Physostegia virginiana</i> (False Dragonhead)		5
<i>Persicaria pensylvanica</i> (Pennsylvania Smartweed)		10
<i>Persicaria lapathifolia</i> (Curlytop Knotweed)		10
<i>Pychanthemum virginianum</i> (Mountain Mint)		5
<i>Rudbeckia laciniata</i> (Cut-leaf Coneflower)		5
<i>Oligoneuron riddellii</i> (Riddell Goldenrod)		2
<i>Sparganium eurycarpum</i> (Giant Burreed)		5
6 Conservation Mixture 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring	5 (5) 2 (2) 5 (5) 15 (15) 48 (55)
6A Salt Tolerant Conservation Mixture 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	5 (5) 2 (2) 5 (5) 15 (15) 48 (55) 20 (20)
7 Temporary Turf Cover Mixture	Perennial Ryegrass Oats, Spring	50 (55) 64 (70)

Notes:

- 1/ Seeding shall be performed when the ambient temperature has been between 45 °F (7 °C) and 80 °F (27 °C) for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.
- 2/ Seeding shall be performed in late fall through spring beginning when the ambient temperature has been below 45 °F (7 °C) for a minimum of seven (7) consecutive days and ending when the ambient temperature exceeds 80 °F (27 °C) according to the National Weather Service.
- 3/ Specific variety as shown in the plans or approved by the Engineer.
- 4/ Inoculation required.
- 5/ Pure Live Seed (PLS) shall be used.
- 6/ Fertilizer shall not be used.
- 7/ Seed shall be primed with KNO_3 to break dormancy and dyed to indicate such.

Seeding will be inspected after a period of establishment. The period of establishment shall be six (6) months minimum, but not to exceed nine (9) months. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department.”

80445

HOT-MIX ASPHALT (BDE)

Effective: January 1, 2024

Revise the second paragraph of Articles 1030.07(a)(11) and 1030.08(a)(9) of the Standard Specifications to read:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be based on the running average of four available Department test results for that project. If less than four G_{mm} test results are available, an average of all available Department test results for that project will be used. The initial G_{mm} will be the last available Department test result from a QMP project. If there is no available Department test result from a QMP project, the Department mix design verification test result will be used as the initial G_{mm} .”

In the Supplemental Specifications, replace the revision for the end of the third paragraph of Article 1030.09(h)(2) with the following:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be the Department mix design verification test result.”

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

“Production is not required to stop after a test strip has been constructed.”

80456

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

City of Aurora

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets
SPECIAL PROVISION
FOR
LOCAL QUALITY ASSURANCE/ QUALITY MANAGEMENT QC/QA
Effective: January 1, 2022

Replace the first five paragraphs of Article 1030.06 of the Standard Specifications with the following:

"1030.06 Quality Management Program. The Quality Management Program (QMP) will be Quality Control / Quality Assurance (QC/QA) according to the following."

Delete Article 1030.06(d)(1) of the Standard Specifications.

Revise Article 1030.09(g)(3) of the Standard Specifications to read:

"(3) If core testing is the density verification method, the Contractor shall provide personnel and equipment to collect density verification cores for the Engineer. Core locations will be determined by the Engineer following the document "Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations" at density verification intervals defined in Article 1030.09(b). After the Engineer identifies a density verification location and prior to opening to traffic, the Contractor shall cut a 4 in. (100 mm) diameter core. With the approval of the Engineer, the cores may be cut at a later time."

Revise Article 1030.09(h)(2) of the Standard Specifications to read:

"(2) After final rolling and prior to paving subsequent lifts, the Engineer will identify the random density verification test locations. Cores or nuclear density gauge testing will be used for density verification. The method used for density verification will be as selected below.

Density Verification Method	
<input type="checkbox"/>	Cores
<input checked="" type="checkbox"/>	Nuclear Density Gauge (Correlated when paving \geq 3,000 tons per mixture)

Density verification test locations will be determined according to the document "Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations". The density testing interval for paving wider than or equal to 3 ft (1 m) will be 0.5 miles (800 m) for lift thicknesses of 3 in. (75 mm) or less and 0.2 miles (320 m) for lift thicknesses greater than 3 in. (75 mm). The density testing interval for paving less than 3 ft (1 m) wide will be 1 mile (1,600 m). If a day's paving will be less than the prescribed density testing interval, the length of the day's paving will be the interval for that day. The density testing interval for mixtures used for patching will be 50 patches with a minimum of one test per mixture per project.

If core testing is the density verification method, the Engineer will witness the Contractor coring, and secure and take possession of all density samples at the

density verification locations. The Engineer will test the cores collected by the Contractor for density according to Illinois Modified AASHTO T 166 or AASHTO T 275.

If nuclear density gauge testing is the density verification method, the Engineer will conduct nuclear density gauge tests. The Engineer will follow the density testing procedure detailed in the document "Illinois Modified ASTM D 2950, Standard Test Method for Density of Bituminous Concrete In-Place by Nuclear Method".

A density verification test will be the result of a single core or the average of the nuclear density tests at one location. The results of each density test must be within acceptable limits. The Engineer will promptly notify the Contractor of observed deficiencies."

Revise the seventh paragraph and all subsequent paragraphs in Section D. of the document "Hot-Mix Asphalt QC/QA Initial Daily Plant and Random Samples" to read:

"Mixtures shall be sampled from the truck at the plant by the Contractor following the same procedure used to collect QC mixture samples (Section A). This process will be witnessed by the Engineer who will take custody of the verification sample. Each sample bag with a verification mixture sample will be secured by the Engineer using a locking ID tag. Sample boxes containing the verification mixture sample will be sealed/taped by the Engineer using a security ID label."

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BDE
SPECIAL PROVISIONS

WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within 35 working days.

80071

CEMENT, TYPE IL (BDE)

Effective: August 1, 2023

Add the following to Article 302.02 of the Standard Specifications:

“(k) Type IL Portland-Limestone Cement 1001”

Revise Note 2 of Article 352.02 of the Standard Specifications to read:

“Note 2. Either Type I or Type IA portland cement or Type IL portland-limestone cement shall be used.”

Revise Note 1 of Article 404.02 of the Standard Specifications to read:

“Note 1. The cement shall be Type I portland cement or Type IL portland-limestone cement.”

Revise Article 1019.02(a) of the Standard Specifications to read:

“(a) Cement, Type I or IL 1001”

80449

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

“(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

(1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.

(2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.

- (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days."

Revise Article 107.40(c) of the Standard Specifications to read:

"(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

- (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

- (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

- (3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

- (1) When adverse weather prevents work on the controlling item.
- (2) When job conditions due to recent weather prevent work on the controlling item.
- (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
- (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
- (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
- (6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

"(f) **Basis of Payment.** After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited."

Add the following to Section 109 of the Standard Specifications.

"109.13 Payment for Contract Delay. Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) **Escalated Material and/or Labor Costs.** When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) **Extended Project Overhead.** For the duration of the delay, payment for extended project overhead will be paid as follows.
 - (1) **Direct Jobsite and Offsite Overhead.** Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and One Clerk
Over \$50,000,000	One Project Manager, Two Project Superintendents,

	One Engineer, and One Clerk
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(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

80384

PERFORMANCE GRADED ASPHALT BINDER (BDE)

Effective: January 1, 2023

Revise Article 1032.05 of the Standard Specifications to read:

"1032.05 Performance Graded Asphalt Binder. These materials will be accepted according to the Bureau of Materials Policy Memorandum, "Performance Graded Asphalt Binder Qualification Procedure." The Department will maintain a qualified producer list. These materials shall be free from water and shall not foam when heated to any temperature below the actual flash point. Air blown asphalt, recycle engine oil bottoms (ReOB), and polyphosphoric acid (PPA) modification shall not be used.

When requested, producers shall provide the Engineer with viscosity/temperature relationships for the performance graded asphalt binders delivered and incorporated in the work.

(a) Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 "Standard Specification for Performance Graded Asphalt Binder" for the grade shown on the plans and the following.

Test	Parameter
Small Strain Parameter (AASHTO PP 113) BBR, ΔT_c , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5 °C min.

(b) Modified Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 "Standard Specification for Performance Graded Asphalt Binder" for the grade shown on the plans.

Asphalt binder modification shall be performed at the source, as defined in the Bureau of Materials Policy Memorandum, "Performance Graded Asphalt Binder Qualification Procedure."

Modified asphalt binder shall be safe to handle at asphalt binder production and storage temperatures or HMA construction temperatures. Safety Data Sheets (SDS) shall be provided for all asphalt modifiers.

- (1) Polymer Modification (SB/SBS or SBR). Elastomers shall be added to the base asphalt binder to achieve the specified performance grade and shall be either a styrene-butadiene diblock, triblock copolymer without oil extension, or a styrene-butadiene rubber. The polymer modified asphalt binder shall be smooth, homogeneous, and be according to the requirements shown in Table 1 or 2 for the grade shown on the plans.

Table 1 - Requirements for Styrene-Butadiene Copolymer (SB/SBS) Modified Asphalt Binders		
Test	Asphalt Grade SB/SBS PG 64-28 SB/SBS PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SB/SBS PG 76-22 SB/SBS PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

Table 2 - Requirements for Styrene-Butadiene Rubber (SBR) Modified Asphalt Binders		
Test	Asphalt Grade SBR PG 64-28 SBR PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SBR PG 76-22 SBR PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
Toughness ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	110 (12.5) min.	110 (12.5) min.
Tenacity ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	75 (8.5) min.	75 (8.5) min.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	40 min.	50 min.

- (2) Ground Tire Rubber (GTR) Modification. GTR modification is the addition of recycled ground tire rubber to liquid asphalt binder to achieve the specified performance grade. GTR shall be produced from processing automobile and/or truck tires by the ambient grinding method or micronizing through a cryogenic process. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall not contain free metal particles, moisture that would cause foaming of the asphalt, or other foreign materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce

sticking and caking of the GTR particles. When tested in accordance with Illinois Modified AASHTO T 27 "Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates" or AASHTO PP 74 "Standard Practice for Determination of Size and Shape of Glass Beads Used in Traffic Markings by Means of Computerized Optical Method", a 50 g sample of the GTR shall conform to the following gradation requirements.

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 µm)	95 ± 5
No. 50 (300 µm)	> 20

GTR modified asphalt binder shall be tested for rotational viscosity according to AASHTO T 316 using spindle S27. GTR modified asphalt binder shall be tested for original dynamic shear and RTFO dynamic shear according to AASHTO T 315 using a gap of 2 mm.

The GTR modified asphalt binder shall meet the requirements of Table 3.

Table 3 - Requirements for Ground Tire Rubber (GTR) Modified Asphalt Binders		
Test	Asphalt Grade GTR PG 64-28 GTR PG 70-22	Asphalt Grade GTR PG 76-22 GTR PG 76-28 GTR PG 70-28
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

- (3) Softener Modification (SM). Softener modification is the addition of organic compounds, such as engineered flux, bio-oil blends, modified vegetable oils, glycol amines, and fatty acid derivatives, to the base asphalt binder to achieve the specified performance grade. Softeners shall be dissolved, dispersed, or reacted in the asphalt binder to enhance its performance and shall remain compatible with the asphalt binder with no separation. Softeners shall not be added to modified PG asphalt binder as defined in Articles 1032.05(b)(1) or 1032.05(b)(2).

An Attenuated Total Reflectance-Fourier Transform Infrared spectrum (ATR-FTIR) shall be collected for both the softening compound as well as the softener modified asphalt binder at the dose intended for qualification. The ATR-FTIR spectra shall be collected on unaged softener modified binder, 20-hour Pressurized Aging Vessel (PAV) aged softener modified binder, and 40-hour PAV aged softener modified binder. The ATR-FTIR shall be collected in accordance with Illinois Test Procedure 601. The electronic files spectral files (in one of the following extensions or equivalent: *.SPA, *.SPG, *.IRD, *.IFG, *.CSV, *.SP, *.IRS, *.GAML, *.0-9], *.IGM, *.ABS, *.DRT, *.SBM, *.RAS) shall be submitted to the Central Bureau of Materials.

Softener modified asphalt binders shall meet the requirements in Table 4.

Table 4 - Requirements for Softener Modified Asphalt Binders		
Test	Asphalt Grade	
		SM PG 46-28
	SM PG 52-28	SM PG 52-34
	SM PG 58-22	SM PG 58-28
	SM PG 64-22	

Small Strain Parameter (AASHTO PP 113) BBR, ΔTc, 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5°C min.
Large Strain Parameter (Illinois Modified AASHTO T 391) DSR/LAS Fatigue Property, Δ G* _{peak τ} , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	≥ 54 %

The following grades may be specified as tack coats.

Asphalt Grade	Use
PG 58-22, PG 58-28, PG 64-22	Tack Coat"

Revise Article 1031.06(c)(1) and 1031.06(c)(2) of the Standard Specifications to read:

"(1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin ABR shall not exceed the amounts listed in the following table.

HMA Mixtures - RAP/RAS Maximum ABR % ^{1/2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

3/ The maximum ABR percentages for ground tire rubber (GTR) modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.

(2) FRAP/RAS. When FRAP is used alone or FRAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the following table.

HMA Mixtures - FRAP/RAS Maximum ABR % ^{1/2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	55	45	15
50	45	40	15
70	45	35	15
90	45	35	15
SMA	--	--	25
IL-4.75	--	--	35

1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.

2/When FRAP/RAS ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

3/The maximum ABR percentages for GTR modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes."

Add the following to the end of Note 2 of Article 1030.03 of the Standard Specifications.

"A dedicated storage tank for the ground tire rubber (GTR) modified asphalt binder shall be provided. This tank shall be capable of providing continuous mechanical mixing throughout and/or recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ±0.40 percent."

80441

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

"This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor's work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%"

80391

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021
 Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

“The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations.”

80439

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010
 Revised: November 1, 2014

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term “equipment” refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment’s respective horsepower range shall be retrofitted:

Effective Dates	Horsepower Range	Model Year
June 1, 2010 ^{1/}	600-749	2002
	750 and up	2006
June 1, 2011 ^{2/}	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006
June 1, 2012 ^{2/}	50-99	2004
	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

- a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (<http://www.epa.gov/cleandiesel/verification/verif-list.htm>), or verified by the California Air Resources Board (CARB) (<http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>); or

- b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

PORTLAND CEMENT CONCRETE (BDE)

Effective: August 1, 2023

Revise the second paragraph of Article 1103.03(a)(4) the Standard Specifications to read:

“The dispenser system shall provide a visual indication that the liquid admixture is actually entering the batch, such as via a transparent or translucent section of tubing or by independent check with an integrated secondary metering device. If approved by the Engineer, an alternate indicator may be used for admixtures dosed at rates of 25 oz/cwt (1630 mL/100 kg) or greater, such as accelerating admixtures, corrosion inhibitors, and viscosity modifying admixtures.”

80451

SEEDING (BDE)

Effective: November 1, 2022

Revise Article 250.07 of the Standard Specifications to read:

“**250.07 Seeding Mixtures.** The classes of seeding mixtures and combinations of mixtures will be designated in the plans.

When an area is to be seeded with two or more seeding classes, those mixtures shall be applied separately on the designated area within a seven day period. Seeding shall occur prior to placement of mulch cover. A Class 7 mixture can be applied at any time prior to applying any seeding class or added to them and applied at the same time.

TABLE 1 - SEEDING MIXTURES			
Class - Type	Seeds	lb/acre (kg/hectare)	
1 Lawn Mixture 1/	Kentucky Bluegrass	100 (110)	
	Perennial Ryegrass	60 (70)	
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	40 (50)	
1A Salt Tolerant Lawn Mixture 1/	Kentucky Bluegrass	60 (70)	
	Perennial Ryegrass	20 (20)	
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	20 (20)	
	<i>Festuca brevipila</i> (Hard Fescue)	20 (20)	
	<i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70)	
1B Low Maintenance Lawn Mixture 1/	Turf-Type Fine Fescue 3/	150 (170)	
	Perennial Ryegrass	20 (20)	
	Red Top	10 (10)	
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	20 (20)	
2 Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue)	100 (110)	
	Perennial Ryegrass	50 (55)	
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	40 (50)	
	Red Top	10 (10)	
2A Salt Tolerant Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue)	60 (70)	
	Perennial Ryegrass	20 (20)	
	<i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	30 (20)	
	<i>Festuca brevipila</i> (Hard Fescue)	30 (20)	
	<i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70)	
3 Northern Illinois Slope Mixture 1/	<i>Elymus canadensis</i> (Canada Wild Rye) 5/	5 (5)	
	Perennial Ryegrass	20 (20)	
	Alsike Clover 4/	5 (5)	
	<i>Desmanthus illinoensis</i> (Illinois Bundleflower) 4/ 5/	2 (2)	
	<i>Schizachyrium scoparium</i> (Little Bluestem) 5/	12 (12)	
	<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/	10 (10)	
	<i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	30 (35)	
	Oats, Spring	50 (55)	
	Slender Wheat Grass 5/	15 (15)	
	Buffalo Grass 5/ 7/	5 (5)	
	3A Southern Illinois Slope Mixture 1/	Perennial Ryegrass	20 (20)
<i>Elymus canadensis</i> (Canada Wild Rye) 5/		20 (20)	
<i>Panicum virgatum</i> (Switchgrass) 5/		10 (10)	
<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/		12 (12)	
<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/		10 (10)	
<i>Dalea candida</i> (White Prairie Clover) 4/ 5/		5 (5)	
<i>Rudbeckia hirta</i> (Black-Eyed Susan) 5/		5 (5)	
Oats, Spring		50 (55)	

Class – Type	Seeds	lb/acre (kg/hectare)
4 Native Grass 2/ 6/	<i>Andropogon gerardi</i> (Big Blue Stem) 5/	4 (4)
	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/	5 (5)
	<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/	5 (5)
	<i>Elymus canadensis</i> (Canada Wild Rye) 5/	1 (1)
	<i>Panicum virgatum</i> (Switch Grass) 5/	1 (1)
	<i>Sorghastrum nutans</i> (Indian Grass) 5/	2 (2)
	Annual Ryegrass	25 (25)
	Oats, Spring	25 (25)
	Perennial Ryegrass	15 (15)
	4A Low Profile Native Grass 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/
<i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/		5 (5)
<i>Elymus canadensis</i> (Canada Wild Rye) 5/		1 (1)
<i>Sporobolus heterolepis</i> (Prairie Dropseed) 5/		0.5 (0.5)
Annual Ryegrass		25 (25)
Oats, Spring		25 (25)
Perennial Ryegrass		15 (15)
4B Wetland Grass and Sedge Mixture 2/ 6/		Annual Ryegrass
	Oats, Spring	25 (25)
	Wetland Grasses (species below) 5/	6 (6)
<u>Species:</u>		<u>% By Weight</u>
<i>Calamagrostis canadensis</i> (Blue Joint Grass)		12
<i>Carex lacustris</i> (Lake-Bank Sedge)		6
<i>Carex slipata</i> (Awl-Fruited Sedge)		6
<i>Carex stricta</i> (Tussock Sedge)		6
<i>Carex vulpinoidea</i> (Fox Sedge)		6
<i>Eleocharis acicularis</i> (Needle Spike Rush)		6
<i>Eleocharis obtusa</i> (Blunt Spike Rush)		3
<i>Glyceria striata</i> (Fowl Manna Grass)		3
<i>Juncus effusus</i> (Common Rush)		14
<i>Juncus tenuis</i> (Slender Rush)		6
<i>Juncus torreyi</i> (Torrey's Rush)		6
<i>Leersia oryzoides</i> (Rice Cut Grass)		6
<i>Scirpus acutus</i> (Hard-Stemmed Bulrush)		10
<i>Scirpus atrovirens</i> (Dark Green Rush)		3
<i>Bolboschoenus fluviatilis</i> (River Bulrush)		3
<i>Schoenoplectus tabernaemontani</i> (Softstem Bulrush)		3
<i>Spartina pectinata</i> (Cord Grass)		3
		4

Class – Type	Seeds	lb/acre (kg/hectare)
5	Forb with Annuals Mixture 2/ 5/ 6/ Annuals Mixture (Below) Forb Mixture (Below)	1 (1) 10 (10)
Annuals Mixture - Mixture not exceeding 25 % by weight of any one species, of the following:		
<i>Coreopsis lanceolata</i> (Sand Coreopsis) <i>Leucanthemum maximum</i> (Shasta Daisy) <i>Gaillardia pulchella</i> (Blanket Flower) <i>Ratibida columnifera</i> (Prairie Coneflower) <i>Rudbeckia hirta</i> (Black-Eyed Susan)		
Forb Mixture - Mixture not exceeding 5 % by weight PLS of any one species, of the following:		
<i>Amorpha canescens</i> (Lead Plant) 4/ <i>Anemone cylindrica</i> (Thimble Weed) <i>Asclepias tuberosa</i> (Butterfly Weed) <i>Aster azureus</i> (Sky Blue Aster) <i>Symphyotrichum leave</i> (Smooth Aster) <i>Aster novae-angliae</i> (New England Aster) <i>Baptisia leucantha</i> (White Wild Indigo) 4/ <i>Coreopsis palmata</i> (Prairie Coreopsis) <i>Echinacea pallida</i> (Pale Purple Coneflower) <i>Eryngium yuccifolium</i> (Rattlesnake Master) <i>Helianthus mollis</i> (Downy Sunflower) <i>Heliopsis helianthoides</i> (Ox-Eye) <i>Liatris aspera</i> (Rough Blazing Star) <i>Liatris pycnostachya</i> (Prairie Blazing Star) <i>Monarda fistulosa</i> (Prairie Bergamot) <i>Parthenium integrifolium</i> (Wild Quinine) <i>Dalea candida</i> (White Prairie Clover) 4/ <i>Dalea purpurea</i> (Purple Prairie Clover) 4/ <i>Physostegia virginiana</i> (False Dragonhead) <i>Potentilla arguta</i> (Prairie Cinquefoil) <i>Ratibida pinnata</i> (Yellow Coneflower) <i>Rudbeckia subtomentosa</i> (Fragrant Coneflower) <i>Silphium laciniatum</i> (Compass Plant) <i>Silphium terebinthinaceum</i> (Prairie Dock) <i>Oligoneuron rigidum</i> (Rigid Goldenrod) <i>Tradescantia ohioensis</i> (Spiderwort) <i>Veronicastrum virginicum</i> (Culver's Root)		

Class – Type	Seeds	lb/acre (kg/hectare)
5A Large Flower Native Forb Mixture 2/ 5/ 6/	Forb Mixture (see below)	5 (5)
<u>Species:</u>		<u>% By Weight</u>
<i>Aster novae-angliae</i> (New England Aster)		5
<i>Echinacea pallida</i> (Pale Purple Coneflower)		10
<i>Helianthus mollis</i> (Downy Sunflower)		10
<i>Heliopsis helianthoides</i> (Ox-Eye)		10
<i>Liatris pycnostachya</i> (Prairie Blazing Star)		10
<i>Ratibida pinnata</i> (Yellow Coneflower)		5
<i>Rudbeckia hirta</i> (Black-Eyed Susan)		10
<i>Silphium laciniatum</i> (Compass Plant)		10
<i>Silphium terebinthinaceum</i> (Prairie Dock)		20
<i>Oligoneuron rigidum</i> (Rigid Goldenrod)		10
5B Wetland Forb 2/ 5/ 6/	Forb Mixture (see below)	2 (2)
<u>Species:</u>		<u>% By Weight</u>
<i>Acorus calamus</i> (Sweet Flag)		3
<i>Angelica atropurpurea</i> (Angelica)		6
<i>Asclepias incarnata</i> (Swamp Milkweed)		2
<i>Aster puniceus</i> (Purple Stemmed Aster)		10
<i>Bidens cernua</i> (Beggarticks)		7
<i>Eutrochium maculatum</i> (Spotted Joe Pye Weed)		7
<i>Eupatorium perfoliatum</i> (Boneset)		7
<i>Helenium autumnale</i> (Autumn Sneezeweed)		2
<i>Iris virginica shrevei</i> (Blue Flag Iris)		2
<i>Lobelia cardinalis</i> (Cardinal Flower)		5
<i>Lobelia siphilitica</i> (Great Blue Lobelia)		5
<i>Lythrum alatum</i> (Winged Loosestrife)		2
<i>Physostegia virginiana</i> (False Dragonhead)		5
<i>Persicaria pensylvanica</i> (Pennsylvania Smartweed)		10
<i>Persicaria lapathifolia</i> (Curlytop Knotweed)		10
<i>Pychanthemum virginianum</i> (Mountain Mint)		5
<i>Rudbeckia laciniata</i> (Cut-leaf Coneflower)		5
<i>Oligoneuron riddellii</i> (Riddell Goldenrod)		2
<i>Sparganium eurycarpum</i> (Giant Burreed)		5
6 Conservation Mixture 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring	5 (5) 2 (2) 5 (5) 15 (15) 48 (55)
6A Salt Tolerant Conservation Mixture 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	5 (5) 2 (2) 5 (5) 15 (15) 48 (55) 20 (20)
7 Temporary Turf Cover Mixture	Perennial Ryegrass Oats, Spring	50 (55) 64 (70)

Notes:

- 1/ Seeding shall be performed when the ambient temperature has been between 45 °F (7 °C) and 80 °F (27 °C) for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.
- 2/ Seeding shall be performed in late fall through spring beginning when the ambient temperature has been below 45 °F (7 °C) for a minimum of seven (7) consecutive days and ending when the ambient temperature exceeds 80 °F (27 °C) according to the National Weather Service.
- 3/ Specific variety as shown in the plans or approved by the Engineer.
- 4/ Inoculation required.
- 5/ Pure Live Seed (PLS) shall be used.
- 6/ Fertilizer shall not be used.
- 7/ Seed shall be primed with KNO_3 to break dormancy and dyed to indicate such.

Seeding will be inspected after a period of establishment. The period of establishment shall be six (6) months minimum, but not to exceed nine (9) months. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department."

80445

HOT-MIX ASPHALT (BDE)

Effective: January 1, 2024

Revise the second paragraph of Articles 1030.07(a)(11) and 1030.08(a)(9) of the Standard Specifications to read:

"When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be based on the running average of four available Department test results for that project. If less than four G_{mm} test results are available, an average of all available Department test results for that project will be used. The initial G_{mm} will be the last available Department test result from a QMP project. If there is no available Department test result from a QMP project, the Department mix design verification test result will be used as the initial G_{mm} ."

In the Supplemental Specifications, replace the revision for the end of the third paragraph of Article 1030.09(h)(2) with the following:

"When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be the Department mix design verification test result."

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

"Production is not required to stop after a test strip has been constructed."

80456

DuPage County Prevailing Wage Rates posted on 3/1/2023

Trade Title	Rg	Type	C	Base	Foreman	Overtime					Pension	Vac	Trng	Other Ins
						M-F	Sa	Su	Hol	H/W				
ASBESTOS ABT-GEN	AII	ALL		47.40	48.40	1.5	1.5	2.0	2.0	17.05	15.21	0.00	0.90	
ASBESTOS ABT-MEC	AII	BLD		39.60	42.77	1.5	1.5	2.0	2.0	14.77	13.59	0.00	0.86	
BOILERMAKER	AII	BLD		53.66	58.48	2.0	2.0	2.0	2.0	6.97	23.69	0.00	2.67	
BRICK MASON	AII	BLD		49.81	54.79	1.5	1.5	2.0	2.0	12.10	21.56	0.00	1.10	
CARPENTER	AII	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	24.76	1.50	0.80	
CEMENT MASON	AII	ALL		49.75	51.75	2.0	1.5	2.0	2.0	17.08	20.74	0.00	1.00	
CERAMIC TILE FINISHER	AII	BLD		44.18	44.18	1.5	1.5	2.0	2.0	12.25	14.77	0.00	1.00	
CERAMIC TILE LAYER	AII	BLD		51.44	55.44	1.5	1.5	2.0	2.0	12.25	18.48	0.00	1.08	
COMMUNICATION TECHNICIAN	AII	BLD		35.92	38.72	1.5	1.5	2.0	2.0	13.60	24.04	3.20	0.83	
ELECTRIC PWR EQMT OP	AII	ALL		47.56	64.89	1.5	1.5	2.0	2.0	7.00	13.32	0.00	1.19	1.43
ELECTRIC PWR GRNDMAN	AII	ALL		36.53	64.89	1.5	1.5	2.0	2.0	7.00	10.23	0.00	0.92	1.10
ELECTRIC PWR LINEMAN	AII	ALL		57.17	64.89	1.5	1.5	2.0	2.0	7.00	16.01	0.00	1.43	1.72
ELECTRIC PWR TRK DRV	AII	ALL		37.86	64.89	1.5	1.5	2.0	2.0	7.00	10.61	0.00	0.95	1.14
ELECTRICIAN	AII	BLD		43.08	47.33	1.5	1.5	2.0	2.0	13.60	27.57	7.13	1.20	
ELEVATOR CONSTRUCTOR	AII	BLD		62.47	70.28	2.0	2.0	2.0	2.0	16.03	20.21	5.00	0.65	
FENCE ERECTOR	NE	ALL		46.89	48.89	1.5	1.5	2.0	2.0	13.68	17.42	0.00	0.75	
FENCE ERECTOR	W	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28	
GLAZIER	AII	BLD		48.75	50.25	1.5	2.0	2.0	2.0	15.19	24.43	0.00	1.70	
HEAT/FROST INSULATOR	AII	BLD		52.80	55.97	1.5	1.5	2.0	2.0	14.77	16.76	0.00	0.86	
IRON WORKER	E	ALL		55.81	57.81	2.0	2.0	2.0	2.0	16.05	25.31	0.00	0.49	
IRON WORKER	W	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28	
LABORER	AII	ALL		47.40	48.15	1.5	1.5	2.0	2.0	17.05	15.21	0.00	0.90	
LATHER	AII	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	24.76	1.50	0.80	
MACHINIST	AII	BLD		53.18	57.18	1.5	1.5	2.0	2.0	9.93	8.95	1.85	1.47	
MARBLE FINISHER	AII	ALL		38.00	51.41	1.5	1.5	2.0	2.0	12.10	19.60	0.00	0.60	
MARBLE SETTER	AII	BLD		48.96	53.86	1.5	1.5	2.0	2.0	12.10	21.03	0.00	0.78	
MATERIAL TESTER I	AII	ALL		37.40		1.5	1.5	2.0	2.0	17.05	15.21	0.00	0.90	
MATERIALS TESTER II	AII	ALL		42.40		1.5	1.5	2.0	2.0	17.05	15.21	0.00	0.90	
MILLWRIGHT	AII	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	24.76	1.50	0.80	
OPERATING ENGINEER	AII	BLD	1	55.10	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	AII	BLD	2	53.80	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	

OPERATING ENGINEER	All	BLD	3	51.25	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55
OPERATING ENGINEER	All	BLD	4	49.50	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55
OPERATING ENGINEER	All	BLD	5	58.85	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55
OPERATING ENGINEER	All	BLD	6	56.10	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55
OPERATING ENGINEER	All	BLD	7	58.10	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55
OPERATING ENGINEER	All	FLT		41.00	41.00	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15
OPERATING ENGINEER	All	HWY	1	53.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55
OPERATING ENGINEER	All	HWY	2	52.75	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55
OPERATING ENGINEER	All	HWY	3	50.70	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55
OPERATING ENGINEER	All	HWY	4	49.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55
OPERATING ENGINEER	All	HWY	5	48.10	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55
OPERATING ENGINEER	All	HWY	6	56.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55
OPERATING ENGINEER	All	HWY	7	54.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55
ORNAMENTAL IRON WORKER	E	ALL		53.32	55.82	2.0	2.0	2.0	2.0	14.23	25.00	0.00	1.75
ORNAMENTAL IRON WORKER	W	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28
PAINTER	All	ALL		50.30	52.30	1.5	1.5	1.5	2.0	19.73	4.15	0.00	1.55
PAINTER - SIGNS	All	BLD		41.55	46.67	1.5	1.5	2.0	2.0	3.04	3.90	0.00	0.00
PILEDRIVER	All	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	24.76	1.50	0.80
PIPEFITTER	All	BLD		53.00	56.00	1.5	1.5	2.0	2.0	11.85	22.85	0.00	2.92
PLASTERER	All	BLD		49.85	52.84	1.5	1.5	2.0	2.0	12.10	21.48	0.00	1.09
PLUMBER	All	BLD		54.80	58.10	1.5	1.5	2.0	2.0	16.70	17.04	0.00	1.58
ROOFER	All	BLD		48.00	53.00	1.5	1.5	2.0	2.0	11.83	15.26	0.00	0.99
SHEETMETAL WORKER	All	BLD		53.33	56.00	1.5	1.5	2.0	2.0	11.85	19.43	0.00	1.59
SPRINKLER FITTER	All	BLD		54.55	57.30	1.5	1.5	2.0	2.0	14.20	18.70	0.00	0.75
STEEL ERECTOR	E	ALL		55.81	57.81	2.0	2.0	2.0	2.0	16.05	25.31	0.00	0.49
STEEL ERECTOR	W	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28
STONE MASON	All	BLD		49.81	54.79	1.5	1.5	2.0	2.0	12.10	21.56	0.00	1.10
TERRAZZO FINISHER	All	BLD		45.57	45.57	1.5	1.5	2.0	2.0	12.25	17.14	0.00	1.03
TERRAZZO MECHANIC	All	BLD		49.41	52.91	1.5	1.5	2.0	2.0	12.25	18.60	0.00	1.07
TRAFFIC SAFETY WORKER I	All	HWY		39.30	40.90	1.5	1.5	2.0	2.0	9.65	9.10	0.00	0.10
TRAFFIC SAFETY WORKER II	All	HWY		40.30	41.90	1.5	1.5	2.0	2.0	9.65	9.10	0.00	0.10
TRUCK DRIVER	All	ALL	1	41.06	41.61	1.5	1.5	2.0	2.0	10.83	14.15	0.00	0.15
TRUCK DRIVER	All	ALL	2	41.21	41.61	1.5	1.5	2.0	2.0	10.83	14.15	0.00	0.15
TRUCK DRIVER	All	ALL	3	41.41	41.61	1.5	1.5	2.0	2.0	10.83	14.15	0.00	0.15
TRUCK DRIVER	All	ALL	4	41.61	41.61	1.5	1.5	2.0	2.0	10.83	14.15	0.00	0.15
TUCK POINTER	All	BLD		49.53	50.53	1.5	1.5	2.0	2.0	9.04	21.06	0.00	1.07

2.54

Legend

Rg Region

Type Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers

C Class

Base Base Wage Rate

OT M-F Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

OT Sa Overtime pay required for every hour worked on Saturdays

OT Su Overtime pay required for every hour worked on Sundays

OT Hol Overtime pay required for every hour worked on Holidays

H/W Health/Welfare benefit

Vac Vacation

Trng Training

Other Ins Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

Explanations DUPAGE COUNTY

IRON WORKERS AND FENCE ERECTOR (WEST) - West of Route 53.

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

TRAFFIC SAFETY Worker I

Traffic Safety Worker I - work associated with the delivery, installation, pick-up and servicing of safety devices during periods of roadway construction, including such work as set-up and maintenance of barricades, barrier wall reflectors, drums, cones, delineators, signs, crash attenuators, glare screen and other such items, and the layout and application or removal of conflicting and/or temporary roadway markings utilized to control traffic in construction zones, as well as flagging for these operations.

TRAFFIC SAFETY WORKER II

Work associated with the installation and removal of permanent pavement markings and/or pavement markers including both installations performed by hand and installations performed by truck.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS TECHNICIAN

Low voltage installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines;

Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane: Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 75 Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro

Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Diver. Diver Wet Tender, Diver Tender, ROV Pilot, ROV Tender

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the

mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".