

Municipality City of Aurora	L O C A L A G E N C Y	 Illinois Department of Transportation Preliminary/Construction Engineering Services Agreement For Motor Fuel Tax Funds	C O N S U L T A N T	Name HR Green, Inc.
Township				Address 420 N. Front Street
County				City McHenry
Section 15-00309-00-LS				State Illinois

THIS AGREEMENT is made and entered into this _____ day of _____, _____ between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above PROJECT. Motor Fuel Tax Funds, allotted to the LA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT", will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

WHEREVER IN THIS AGREEMENT or attached exhibits the following terms are used, they shall be interpreted to mean:

Regional Engineer Deputy Director Division of Highways, Regional Engineer, Department of Transportation
Resident Construction Supervisor Authorized representative of the LA in immediate charge of the engineering details of the PROJECT
Contractor Company or Companies to which the construction contract was awarded

Section Description

Name Illinois Route 31 Route _____ Length 0.77 miles Structure No. NA
Termini Indian Trail to Illinois Avenue

Description
Project consists of barrier median improvements including combination curb and gutter replacement, turn lane pavement, pavement striping, landscaping, traffic signal modifications and all necessary and collateral work required to construct the improvements.

Agreement Provisions

The Engineer Agrees,

1. To perform or be responsible for the performance of the following engineering services for the LA in connection with the proposed improvement herein before described, checked below and described in Exhibit A:
 - a. Make such detailed surveys as are necessary for the preparation of detailed roadway plans.
 - b. Make stream and flood plain hydraulic surveys and gather high water data and flood histories for the preparation of detailed bridge plans.
 - c. Make or cause to be made such soil surveys or subsurface investigations including borings and soil profiles and analyses thereof as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations are to be made in accordance with the current requirements of the DEPARTMENT.
 - d. Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.

- e. Prepare Army Corps of Engineers Permit, Division of Water Resources Permit, Bridge waterway sketch and/or Channel Change sketch, Utility plan and locations and Railroad Crossing work agreements.
- f. Prepare Preliminary Bridge Design and Hydraulic Report, (including economic analysis of bridge or culvert types) and high water effects on roadway overflows and bridge approaches.

NOTE Four copies to be submitted to the Regional Engineer

- g. Make complete general and detailed plans, special provisions, proposals and estimates of cost and furnish the LA with five (5) copies of the plans, special provisions, proposals and estimates. Additional copies of any or all documents, if required shall be furnished to the LA by the ENGINEER at his actual cost for reproduction.
- h. Furnish the LA with survey and drafts in quadruplicate of all necessary right-of-way dedications, construction easements and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.
- i. Assist the LA in the receipt and evaluation of proposals and the awarding of the construction contract.
- j. Furnish or cause to be furnished:
 - (1) Proportioning and testing of concrete mixtures in accordance with the "Manual of Instructions for Concrete Proportioning and Testing" issued by the Bureau of Materials and Physical Research, of the DEPARTMENT and promptly submit reports on forms prepared by said Bureau.
 - (2) Proportioning and testing of bituminous mixtures (including extracting test) in accordance with the "Manual of Instructions for Bituminous Proportioning and Testing" issued by the Bureau of Materials and Physical Research, of the DEPARTMENT, and promptly submit reports on forms prepared by said Bureau.
 - (3) All compaction tests as required by the specifications and report promptly the same on forms prepared by the Bureau of Materials and Physical Research.
 - (4) Quality and sieve analyses on local aggregates to see that they comply with the specifications contained in the contract.
 - (5) Inspection of all materials when inspection is not provided at the sources by the Bureau of Materials and Physical Research, of the DEPARTMENT and submit inspection reports to the LA and the DEPARTMENT in accordance with the policies of the said DEPARTMENT.
- k. Furnish or cause to be furnished
 - (1) A resident construction supervisor, inspectors, and other technical personnel to perform the following work: (The number of such inspectors and other technical personnel required shall be subject to the approval of the LA.)
 - a. Continuous observation of the work and the contractor's operations for compliance with the plans and specifications as construction proceeds, but the ENGINEER does not guarantee the performance of the contract by the contractor.
 - b. Establishment and setting of lines and grades.
 - c. Maintain a daily record of the contractor's activities throughout construction including sufficient information to permit verification of the nature and cost of changes in plans and authorized extra work.
 - d. Supervision of inspectors, proportioning engineers and other technical personnel and the taking and submitting of material samples.
 - e. Revision of contract drawings to reflect as built conditions.
 - f. Preparation and submission to the LA in the required form and number of copies, all partial and final payment estimates, change orders, records and reports required by the LA and the DEPARTMENT.

NOTE: When Federal funds are used for construction and the ENGINEER or the ENGINEER's assigned staff is named as resident construction supervisor, the ENGINEER is required to be prequalified with the STATE in Construction Inspection. The onsite resident construction supervisor and project inspectors shall possess valid Documentation of Contract Quantities certification.

2. That all reports, plans, plats and special provisions to be furnished by the ENGINEER pursuant to this agreement will be in accordance with the current standard specifications and policies of the DEPARTMENT, it being understood that all such reports, plats, plans and drafts shall before being finally accepted, be subject to approval by the LA and the said DEPARTMENT.
3. To attend conferences at any reasonable time when requested to do so by the LA or representatives of the DEPARTMENT.
4. In the event plans, surveys or construction staking are found to be in error during the construction of the PROJECT and revisions of the plans or survey or construction staking corrections are necessary, the ENGINEER agrees that he will perform such work without expense to the LA, even though final payment has been received by him. He shall give immediate attention to these changes so there will be a minimum delay to the contractor.
5. The basic survey notes and sketches, charts, computations and other data prepared or obtained by the ENGINEER pursuant to this agreement will be made available upon request to the LA or the DEPARTMENT without cost and without restriction or limitations as to their use.
6. To make such changes in working plans, including all necessary preliminary surveys and investigations, as may be required after the award of the construction contract and during the construction of the improvement.
7. That all plans and other documents furnished by the ENGINEER pursuant to the AGREEMENT will be endorsed by him and will show his professional seal where such is required by law.
8. To submit, upon request by the LA or the DEPARTMENT a list of the personnel and the equipment he/she proposes to use in fulfilling the requirements of this AGREEMENT.

The LA Agrees,

1. **To pay the Engineer as compensation for all services performed as stipulated in the checked paragraphs above and Exhibit B attached for a Time and Material Not to Exceed amount of \$63,880.28.**

- a. A sum of money equal to _____ percent of the awarded contract cost of the proposed improvement as approved by the DEPARTMENT.
- b. A sum of money equal to the percentage of the awarded contract cost for the proposed improvement as approved by the DEPARTMENT based on the following schedule:

Schedule for Percentages Based on Awarded Contract Cost

Awarded Cost	Percentage Fees	
Under \$50,000	_____	(see note)
	_____	%
	_____	%
	_____	%
	_____	%
	_____	%

Note: Not necessarily a percentage. Could use per diem, cost-plus or lump sum.

2. To pay for services stipulated in paragraphs 1b, 1c, 1d, 1e, 1f, 1h, 1j and 1k of THE ENGINEER AGREES at the hourly rates stipulated below for personnel assigned to this PROJECT as payment in full to the ENGINEER for the actual time spent in providing these services the hourly rates to include profit, overhead, readiness to serve, insurance, social security and retirement deductions. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at his actual cost. Subject to the approval of the LA, the ENGINEER may sublet all or part of the services provided under paragraphs 1b, 1c, 1d, 1e, 1f, 1j and 1k of THE ENGINEER AGREES. If the ENGINEER sublets all or a part of this work, the LA will pay the cost to the ENGINEER plus a five (5) percent service charge. "Cost to ENGINEER" to be verified by furnishing the LA and the DEPARTMENT copies of invoices from the party doing the work. The classifications of the employees used in the work should be consistent with the employee classifications for the services performed. If the personnel of the firm including the Principal Engineer perform routine services that should normally be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the work performed.

**Grade Classification
of Employee**

Hourly Rate

Principal Engineer	NA
Resident Construction Supervisor	_____
Chief of Party	_____
Instrument Man	_____
Rodmen	_____
Inspectors	_____
_____	_____
_____	_____
_____	_____
_____	_____

The hourly rates itemized above shall be effective the date the parties, hereunto entering this AGREEMENT, have affixed their hands and seals and shall remain in effect until NA. In event the services of the ENGINEER extend beyond NA, the hourly rates will be adjusted yearly by addendum to this AGREEMENT to compensate for increases or decreases in the salary structure of the ENGINEER that are in effect at that time.

- 3. That payments due the ENGINEER for services rendered pursuant to this AGREEMENT will be made as soon as practicable after the services have been performed, in accordance with the following schedule:
 - a. Upon completion of detailed plans, special provisions, proposals and estimate of cost - being the work required by paragraphs 1a through 1g under THE ENGINEER AGREES - to the satisfaction of the LA and their approval by the DEPARTMENT, 90 percent of the total fee based on the above fee schedule and the approved estimate of cost.
 - b. Upon award of the contract for the improvement by the LA and its approval by the DEPARTMENT, 100 percent of the total fee (excluding any fees paragraphs 1j and 1k of the ENGINEER AGREES), based on the above fee schedule and the awarded contract cost, less any previous payment.
 - c. Upon completion of the construction of the improvement, 90 percent of the fee due for services stipulated in paragraphs 1j and 1k.
 - d. Upon completion of all final reports required by the LA and the DEPARTMENT and acceptance of the improvement by the DEPARTMENT, 100 percent of the total fees due under this AGREEMENT, less any amounts previously paid.

By mutual agreement, partial payments, not to exceed 90 percent of the amount earned, may be made from time to time as the work progresses.

- 4. That should the improvements be abandoned at any time after the ENGINEER has performed any part of the services provided for in paragraphs 1a and 1g, and prior to the completion of such services the LA shall reimburse the ENGINEER for his actual costs plus 166 percent incurred up to the time he is notified in writing of such abandonment "actual cost" being defined as material costs plus actual payrolls, insurance, social security and retirement deductions. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at his actual cost.
- 5. That should the LA require changes in any of the detailed plans, specifications or estimates (except for those required pursuant to paragraph 4 of THE ENGINEER AGREES) after they have been approved by the DEPARTMENT, the LA will pay the ENGINEER for such changes on the basis of actual cost plus 166 percent to cover profit, overhead and readiness to serve - "actual cost" being defined as in paragraph 4 above. It is understood that "changes" as used in this paragraph shall in no way relieve the ENGINEER of his responsibility to prepare a complete and adequate set of plans.
- 6. That should the LA extend completion of the improvement beyond the time limit given in the contract, the LA will pay the ENGINEER, in addition to the fees provided herein, his actual cost incurred beyond such time limit - "actual cost" being defined as in paragraph 4 above.
- 7. To submit approved forms BC 775 and BC 776 with this AGREEMENT when federal funds are used for construction.

It is Mutually Agreed,

- 1. That any difference between the ENGINEER and the LA concerning the interpretation of the provisions of this AGREEMENT shall be referred to a committee of disinterested parties consisting of one member appointed by the

ENGINEER one member appointed by the LA and a third member appointed by the two other members for disposition and that the committee's decision shall be final.

2. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at his last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all drawings, specifications, partial and completed estimates and data if any from traffic studies and soil survey and subsurface investigations with the understanding that all such material becomes the property of the LA. The ENGINEER shall be paid for any services completed and any services partially completed in accordance with Section 4 of THE LA AGREES.
3. That if the contract for construction has not been awarded one year after the acceptance of the plans by the LA and their approval by the DEPARTMENT, the LA will pay the ENGINEER the balance of the engineering fee due to make 100 percent of the total fees due under the AGREEMENT, based on the estimate of cost as prepared by the ENGINEER and approved by the LA and the DEPARTMENT.
4. That the ENGINEER warrants that he/she has not employed or retained any company or person, other than a bona fide employee working solely for the ENGINEER, to solicit or secure this contract and that he/she has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the ENGINEER, any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or making of this contract. For breach or violation of this warranty the LA shall have the right to annul this contract without liability.

IN WITNESS WHEREOF, the parties have caused this AGREEMENT to be executed in quadruplicate counterparts, each of which shall be considered as an original by their duly authorized offices.

Executed by the LA:

City of Aurora of the
(Municipality/Township/County)

ATTEST:

State of Illinois, acting by and through its

By _____,

_____ ,

City Clerk

By _____

(Seal)

Title:

Executed by the ENGINEER:

HR Green, Inc. _____

420 N Front Street _____

ATTEST:

McHenry, IL 60050 _____

By _____

Title: Project Director

Title: Vice President

Approved

Date
Department of Transportation

Regional Engineer

EXHIBIT A
SCOPE OF SERVICES
CITY OF AURORA
ILLINOIS ROUTE 31 - INDIAN TRAIL TO ILLINOIS AVENUE
MEDIAN IMPROVEMENTS

Project Understanding

The City of Aurora (City) proposes to make median improvements along Illinois Route 31 between Indian Trail and Illinois Avenue. The City has obtained commitment from IDOT to participate in the project. Work will include revisions to storage bay lengths to increase green space and installation of new left turn lanes in the barrier median area.

This project will include modifications to the Illinois 31 at Northgate traffic signals to accommodate a new southbound left turn lane.

Since Illinois Route 31 is under the jurisdiction of IDOT, the project will be processed through and receive approval from IDOT Bureau of Traffic Permits.

The following is a general scope of work for Illinois Route 31 of median improvements: new combination concrete curb and gutter, turn lane pavement, minor modifications to the existing storm sewer system, landscaping, traffic signal modifications, and relocation of light poles.

The following assumptions have been made:

1. All work will be completed within the existing right-of-way.
2. Project will be processed through the IDOT Permit Section
3. No lighting photometrics will be required
4. Project will be locally let

Scope of Work

Phase I Engineering

The Phase I engineering tasks will be completed to meet IDOT requirements. This contract includes work required to perform traffic and geometric related analyses necessary to obtain approval from IDOT.

- A. Data Collection and Review
 1. Prepare aerial mosaics of the project limits to be used for exhibits.
 2. Coordinate with utility companies to obtain maps of utilities within the project limits and place this information on a CADD base map.
 3. It has been assumed that IDOT will not require any accident analyses for the project and no accident data will be obtained.
- B. Survey Services
 1. Roadway Topographic Survey
 - a. Roadway Survey will include the area lying within the edges of pavement for approximately 4,100 feet of Illinois 31 from Illinois Avenue to Indian Trail.

- b. Survey will include existing visible features and improvements within the pavement and median area. Existing utilities will be surveyed from visible flags or markings. Storm, sanitary sewer and watermain structures will be surveyed, including rim elevation, invert pipe size, direction and elevation as observed at manholes.
2. Site Topography Survey Base Map
 - a. Will generate a Microstation V8i drawing of the existing features collected along the roadway. One (1) foot contours will be generated with the elevations referenced to NAVD88 (U.S. Survey Feet). Provide a Microstation V8i drawing with existing features and improvements within the project limits to be shown. Topographic Survey plat or plat of survey is not included in the scope.

C. Traffic Analysis

1. Projected traffic volumes for year 2040 will be requested from the Chicago Metropolitan Agency for Planning (CMAP).
2. Peak Hour AM and PM manual counts (three hours each peak period) will be required at the following intersections to perform required traffic analyses.
 - a. Illinois Route 31 at Lawndale Avenue
 - b. Illinois Route 31 at Commercial Access
 - c. Illinois Route 31 at Northgate Shopping
 - d. Illinois Route 31 at Aurora Specialty Textiles Group Entrance
 - e. Illinois Route 31 at Lyon Place
 - f. Illinois Route 31 at North Park Avenue
 - g. Illinois Route 31 at Lakelawn BoulevardIt has been assumed that the City will obtain the necessary traffic counts.
3. Design year peak a.m. and p.m. hour and existing traffic volume diagrams will be prepared.
4. Traffic signal warrant analyses will not be required, no new signalized intersections are being proposed.
5. Perform left turn analysis at non-signalized intersections to confirm reductions in storage length.
 - a. Illinois Route 31 at Lawndale Avenue
 - b. Illinois Route 31 at Aurora Specialty Textiles Group Entrance
 - c. Illinois Route 31 at North Park Avenue
 - d. Illinois Route 31 at Lakelawn Boulevard
6. Perform existing and design year capacity analysis using HCS 2000 to determine required geometrics for each of the following signalized intersections:
 - a. Illinois 31 at Commercial Access
 - b. Illinois Route 31 at Northgate Shopping Center
 - c. Illinois 31 at Lyon Place.
7. Prepare an Intersection Design Study for the following location:
 - a. Illinois Route 31 at Northgate Shopping Center
8. Prepare a Technical Memorandum detailing traffic data and summarizing existing and proposed conditions.

D. Preliminary Design Studies

1. Preliminary horizontal geometrics will be developed and transposed on 1" = 50' aerial maps.
2. Prepare the preferred plan (1" = 50' base maps).

E. Location Drainage Study

Since Illinois 31 is under State jurisdiction, coordination with the Hydraulics Section will be required. There will not be an overall increase in impervious area associated with the improvements and will

require only minor modifications to the existing drainage system. Comparison of the existing and proposed conditions will be completed which includes installation of reverse pitch curb and gutter along the center median. For this project it has been assumed that IDOT will require only a Technical Memorandum for the project.

Phase II Engineering

Contract Plans

HR Green (COMPANY) will prepare phase II contracts plans, special provisions, and other related phase II documents as noted in this scope of work for the improvement of Illinois Route 31 as described in this document.

1) Design Guidelines

- a) The phase II engineering and contract documents will be developed according to IDOT, and applicable local requirements. These include the following design guidelines and ordinances:
- i. Bureau of Design and Environment (BDE) Manual;
 - ii. IDOT Drainage Manual;
 - iii. Traffic Signal Design Guidelines for IDOT, District 1; and
 - iv. City of Aurora Standard Details

2) Pavement Design

The proposed pavement design will match the existing pavement composition on Illinois Route 31.

3) Suggested Maintenance of Traffic

The scope of work was prepared proposing that Illinois Route 31 will remain open during construction and require a single stage of construction. The inside lane along the median will be closed in both directions to allow work on the center median. Detailed maintenance of traffic plans will be developed for the entire length of the project.

4) Drainage

There is an existing closed drainage system along Illinois 31. The proposed work will include minor adjustments to existing drainage structures and laterals in the median area to accommodate the geometric improvements and installation of reverse pitch curb and gutter throughout the project.

5) Landscaping

No specialized or detailed landscape plans will be required. The landscaping improvements will be comprised of restoration of disturbed areas with sod where the median width is greater than 4'. In areas with a median width less than 4', brick pavers per the City's current detail will be installed. Locations of trees to be replaced will be coordinated with the City and locations shown on the plans. No irrigation system will be required.

6) Traffic Signals

Traffic signal modernizations are proposed for the Illinois 31 at Northgate Shopping intersection. These modifications will accommodate the new southbound left turn lane. We have assumed that the signal modifications can be completed under traffic and no temporary traffic signal will be required. However, the contract includes time to complete temporary traffic signal and interconnect plans. This time will be utilized only if required.

- 7) Street Lighting
There is an existing street light system located within the center median along the length of the project. It has been assumed that there will be minor impacts to three light poles located at the Northgate, Park Ave, and Lakelawn Boulevard intersections. These light poles will be shifted to fit within the new reduced median width. No new photometrics will be developed. Temporary lighting will also not be included in the project.
- 8) Stormwater Permit
If it is determined that a Kane County Stormwater Permit is required, the City will issue the Stormwater Permit.
- 9) IDOT Traffic Permit
IDOT has indicated that this project will be processed through the Bureau of Traffic and require a permit. HR Green will assist the City in coordinating the permitting process including completing the Highway Permit and Bond forms for execution by the City and Contractor.
- 10) Stormwater Pollution Prevention Plan (SWPPP)
This project will not disturb more than one acre so a National Pollutant Discharge Elimination System (NPDES) permit will not need be completed for the project.
- 11) Summary of Quantities
The Summary of Quantities sheet will be developed using current IDOT pay items. The quantities will be calculated and checked for accuracy. From these quantities, HR Green will develop Opinions of Probable Construction Cost for the project.
- 12) Utilities
It is anticipated that due to the scope of work, no utility relocations will be required. HR Green will coordinate by sending copies of the plans to the utility companies. No utility coordination meetings will be held for this project.
- 13) Construction Cost Estimates
Opinions of probable construction costs will be developed and refined throughout the process so that the City is aware of project costs. These costs will be determined using IDOT pay items and the latest contractor unit prices available for the area.
- 14) IDOT Permit
IDOT has indicated that this project will be processed through their Bureau of Traffic Permits. COMPANY will assist the City in obtaining the IDOT permit.
- 15) Bidding Assistance and Award Recommendation
The City will conduct the bid opening and HR Green will not provide any bid related services.

Meetings and Coordination

- 1) Meetings & Coordination
Multiple coordination meetings will be required during the project. Anticipated meetings will be with the City and IDOT. HR Green will coordinate the meeting times and locations with the attendees, provide

required exhibits, and include preparation of meeting minutes. The coordination and meetings are estimated below:

- a) At IDOT;
 - i. Project Kick-off with Traffic (1) meeting
 - ii. Project Review with Traffic and Programming (1) meeting
- b) At City;
 - i. Miscellaneous (1);
- c) Meeting Requirements:
 - i. HR Green will have two (2) representatives at all meetings;
 - ii. HR Green will prepare the meeting minutes;
 - iii. A maximum of four (4) hours per meeting have been allotted, including meeting preparation, travel time, and the preparation of the meeting minutes.
- d) Coordination
 - i. HR Green's coordination effort will include:
 - (1) Project related discussions with IDOT, the City, and the utility companies.

2) Project Administration/Coordination

For the duration of this project, this task will involve the management oversight of the project which will include the on-going review of the project execution, work product, document control scope, schedule and budget, contract file management and preparation of monthly progress reports.

3) QA/QC

- a) Peer Reviews
 - i. Prior to all milestone submittal to the City, peer reviews will be performed.

Project Schedule

It is estimated that the contract documents will be prepared to meet an April 2016 bid opening.

Submittals

During the development of the contract plans and specifications, interim submittals will be made to the City and IDOT. Three submittals will occur: preliminary (60%), pre-final (90%), and final (100%). Comments received will be addressed and a disposition of comments will be prepared by COMPANY.

a) Preliminary and Pre-final Submittals

- i. The submittals will include the following:
 - (1) Contract Plans
 - (a) Cover Sheet;
 - (b) Index/General Notes/Standards;
 - (c) Summary of Quantities;
 - (d) Roadway Typical Sections;
 - (e) Alignment, Ties, and Benchmarks;
 - (f) Suggested Staging of Construction - Notes;
 - (g) Suggested Staging of Construction – Typical Sections;
 - (h) Suggested Staging of Construction – Plans (50 scale);
 - (i) Roadway Removal Plans (50 scale);
 - (j) Proposed Roadway Plans (20 scale);
 - (k) Pavement Marking and Restoration Plans (50 scale);
 - (l) Traffic Signal Modification Plans (1 inch = 20 feet);

- (m) Lighting Relocation Plans and Details;
 - (n) Miscellaneous Details; and
 - (o) City and IDOT Standards
- (2) Special Provisions
 - (3) Estimate of Time; and
 - (4) Opinion of Probable Construction Cost.
- ii. The following will be submitted to IDOT for review and comment:
 - (1) Four (4) 11” x 17” paper copies of the contract plans;
 - (2) Four (4) copies of the special provisions;
 - (3) One (1) copy of the opinion of probable construction cost;
 - iii. The following will be submitted to Utilities for review
 - (1) Eight (8) 22” x 24” bond copy of the contract plans.
 - iv. The following will be submitted to the City for review and comment:
 - (1) Two (2) 11” x 17” paper copies of the contract plans;
 - (2) Four (4) copies of the special provisions;
 - (3) One (1) copy of the opinion of probable construction cost;
 - v. Submittals to the City and IDOT will occur concurrently.

DIRECT COSTS AND SERVICES BY OTHERS
CITY OF AURORA
ILLINOS 31 MEDIAN IMPROVEMENTS

Topographic Survey

In-House Direct Costs

Survey							
2	trips x	40	miles x	\$0.560	per mile =	\$44.80	
Sub-Total						\$44.80	

Contract Plans

In-House Direct Costs

Field Checks							
1	trip x	65	miles x	\$0.560	per mile =	\$36.40	
Sub-Total						\$36.40	

Services by Others - Engineering and Printing

Outside Direct Costs - Printing

Preliminary Plans for Review

Preliminary Specifications to City

60 pages x 2 copy(ies) x \$0.15 per sheet = \$18.00
11"x17"

Preliminary Plans to City

35 sheets x 2 copy(ies) x \$1.35 per sheet = \$94.50

Preliminary Specifications to IDOT

60 pages x 4 copy(ies) x \$0.15 per sheet = \$36.00
11"x17"

Preliminary Plans to IDOT

35 sheets x 4 copy(ies) x \$1.35 per sheet = \$189.00

Prefinal Plans for Review

Prefinal Specifications to City

60 pages x 4 copy(ies) x \$0.15 per sheet = \$36.00
11"x17"

Prefinal Plans to City

35 sheets x 2 copy(ies) x \$1.35 per sheet = \$94.50

Prefinal Specifications to IDOT

60 pages x 2 copy(ies) x \$0.15 per sheet = \$18.00
11"x17"

Prefinal Plans to IDOT

35 sheets x 4 copy(ies) x \$1.35 per sheet = \$189.00

Plans for Utilities

35 sheets x 8 copy(ies) x \$1.35 per sheet = \$378.00
22"x34"

Final Plans for Processing

Final Specifications to City

60 pages x 2 copy(ies) x \$0.15 per sheet = \$18.00
11"x17"

Plans to City -

35 sheets x 2 copy(ies) x \$1.35 per sheet = \$94.50

Final Specifications to IDOT

60 pages x 4 copy(ies) x \$0.15 per sheet = \$36.00
11"x17"

Plans to IDOT -

35 sheets x 4 copy(ies) x \$1.35 per sheet = \$189.00
22"x34"

Plans for Utilities

35 sheets x 8 copy(ies) x \$1.35 per sheet = \$378.00

Sub-Total **\$1,768.50**

Meetings:

In-House Direct Costs

Meeting(s) with IDOT

2 trips x 50 miles x \$0.560 per mile = \$56.00

Meeting(s) with City

1 trip x 60 miles x \$0.560 per mile = \$33.60

Sub-Total **\$89.60**

Total In-House Direct Costs **\$170.80**

Outside Direct Costs (Printing) **\$1,768.50**