

# **DRAFT SCOPE OF SERVICES**

## **ELMWOOD AVENUE BRIDGE OVER THE GENESEE RIVER PREVENTATIVE MAINTENANCE PROJECT**

**BIN 4025890**

**CITY OF ROCHESTER, MONROE COUNTY**

**PIN 4755.32**

### **Section 1.101 General Description**

Recent bridge inspections indicate specific bridge-elements have reached a point of deterioration where preventative maintenance activities are warranted to prolong the life of the structure. The repairs for the bridge are identified as preventative maintenance in scope and are directed toward the following bridge:

\* BIN 4025890 – Elmwood Avenue Bridge over the Genesee River

#### **A. Project Description and Location**

This project is located in the City of Rochester, Monroe County, and provides for the preventative maintenance repairs to the Elmwood Avenue Bridge over the Genesee River ( BIN 4025890). The repairs are classified as preventative maintenance in nature and may include the following: full deck slab scarification, concrete deck overlay (and/or epoxy overlay), localized full depth deck repairs, localized curb replacement, expansion joint replacements, relocation of street lighting system, bridge washing and scupper cleaning.

The bridge is described in greater detail in attached Design Approval Document (IPP/FDR – March 2012).

#### **B. Project Classification**

Procedurally, the project has progressed in accordance with the Class II process of the USDOT/NEPA regulations 23 CFR 771.115(d) and the NYSDOT Environmental Action Plan. The project is classified as Class II - programmatic categorical exclusion. Work will occur in previously disturbed areas where there will be no impact to cultural resources. This project is exempt from section 106 review due to the nature of the project being Element Specific Bridge Maintenance with in-kind repairs.

This project is classified as a Type II in the accordance with 6NYCRR Part 617, State Environmental Quality Review (SEQR). In accordance with 6NYCRR Part 617.5(c)(2), this project is identified as one that will not have a significant effect on the environment.

The project is partially funded with Federal-Aid HBP Funds.

## C. Policy and Procedures

1. The design of this project shall be progressed in accordance with the current version of the "Locally Administered Federal Aid Procedures Manual," The design shall be consistent with the NYSDOT Highway Design Manual Chapter 18 Pedestrian Facility Design, A Policy on Geometric Design of Highways and Streets (AASHTO) and ADA Accessibility Guidelines for Buildings and Facilities.

The design of this project shall be also be performed in accordance with the requirements specified in the following documents and amendments thereto issued by the NYSDOT, the City of Rochester, and other cited organizations:

City of Rochester Standard Construction Contract documents, Nov. 1, 1991  
City of Rochester Instructions to Design Professionals Regarding Preparation of Construction Contract Documents, March 1992, as amended;  
City of Rochester Standards for Work in the Public Right-of-Way;  
City of Rochester Areaway Policy

3. The Consultant shall provide the City with Reports, Plans Estimates and other data specifically described under Parts 1-5 below. The CITY will prepare and publish all required legal notices.
4. The Consultant shall furnish all materials necessary to provide the City with reports, Plans, Estimates, and other data specifically described under Parts II, III IV and V below.
5. Work on this project shall be divided into five parts:

|          |                                               |                        |
|----------|-----------------------------------------------|------------------------|
| Part I   | Scoping .....                                 | <u>NOT IN CONTRACT</u> |
| Part II  | Survey and Mapping.....                       | <u>NOT IN CONTRACT</u> |
| Part III | Preliminary Design.....                       | <u>NOT IN CONTRACT</u> |
| Part IV  | Detailed Design (Design Phases V & VI).....   | IN THIS CONTRACT       |
| Part V   | Bidding and Construction Phase Services ..... | IN THIS CONTRACT       |

### Section 1.102 Description of Improvements

The Project consists of improvements as generally identified below

#### A. Bridge Improvements

It is proposed that BIN 4025890, The Elmwood Avenue Bridge over the Genesee River receive preventative maintenance activities as follows: full deck slab scarification, concrete deck overlay (and/or epoxy overlay), localized full depth deck repairs, localized curb replacement, expansion joint replacements, relocation of street lighting system, bridge washing and scupper cleaning.

A determination of the type of deck treatment shall be made during final design phase. This determination shall be based on budgetary considerations, long term durability, expected performance, ease of implementation, and overall condition of the deck slab.

**B. Street Improvements**

No major upgrading and/or improvements to the adjacent streets are proposed for this project. Minor upgrades to correct approach deficiencies and blend the limits of work may necessitate transitional improvements. These minor street upgrades shall be determined during the final design phase. Landscaping amenities at strategic areas of the project may be warranted and shall be proposed.

**C. Street Lighting**

The existing street lighting system present on the bridge is to be relocated to the outside of the bridge railing. Holes within the sidewalk slabs shall be repaired. Light poles will require the installation of cantilevered brackets. Options and details for the cantilevered brackets shall be presented during final design phase and incorporated into the contract documents.

**D. Water Improvements**

No upgrading and/or abandonments of services with hydrant renewals are proposed for this project.

**E. Sewer Improvements**

Alterations of receiving basins, scuppers may be required as part of this project. Minor alterations due to grade change shall be determined during the final design phase.

**F. Traffic Improvements**

Minor upgrades to the existing pavement markings and signs may be warranted. Final changes shall be determined during final design.

Other improvements identified during Article I, Part 2, and modifications to those listed above, may be added to this agreement with the concurrence of the City.

**ART I. Part 2 Description of Professional services**

**Section 1.201 General**

- A. The Consultant shall provide all basic services required for the Project including surveys, preliminary design and report, final design and reports, contract documents, assistance during bidding and construction phase.
- B. The Consultant shall provide "additional services" if required at the request of the City, including resident project representation services.

- C. The Consultant is to have on its staff and is to retain during the performance of its services all appropriate professional personnel necessary to completely and accurately perform the work and services required. Where the design of structural, mechanical, electrical, civil or other engineering features of the work is included in the Project, such must be performed by an engineer registered to practice in the State of New York.
- D. Implementation Plan. The Consultant shall develop and submit to the City a detailed plan and schedule for the orderly and timely completion of requirements of this Agreement. The Consultant shall utilize appropriate graphics and illustrate the plan, i.g. bar charts, etc. All pertinent dates of meetings and submittals shall be identified subsequent to execution of this agreement.
- E. The Consultant shall maintain an up-to-date orderly assembled file of design notes providing a history of the design of the Project. Design notes shall include correspondence, calculations, documentation, references and other material necessary to establish the basis for design. The Consultant shall furnish a copy of such notes to the City as requested.
- F. The Consultant shall prepare and furnish to the City within one week minutes of all meetings held and monthly written progress reports in a format mutually agreed upon.

#### **Section 1.202 Basic Services**

- A. **PART I            Scoping ..... NOT IN CONTRACT**
- B. **PART II           Survey and Mapping (Design Phases I-IV)..... NOT IN CONTRACT**
- C. **PART III          Preliminary Design (Design Phases I-IV)..... NOT IN CONTRACT**
- D. **PART IV          Detailed Design (Design Phases V & VI)**

##### **1.        Project Information**

- a. The City will provide the Consultant with a copy of the Approved Initial Project Proposal/Final Design Report (IPP/FDR) and other project documents (if available) to provide information on:
  - 1) Project type and Location
  - 2) Initial Project Cost Estimate and schedule
  - 3) Project Fund Source
  - 4) Specific DOT Regional Program Goal addressed by Project
  - 5) Project Objectives
  - 6) Traffic Data
  - 7) Available Accident Records
  - 8) Previous Studies and Reports
  - 9) Transportation Needs and Capacity
  - 10) Safety

- 11) Structural and Pavement Deficiencies
- 12) Permit and approvals
- 13) NYSDOT/CITY Contact Person

The Consultant shall visit the project site for the purpose of becoming familiar with the actual field conditions

b. Existing Data, Surveys, and Reports

The Consultant shall assemble and evaluate existing planimetric, topographic, and utility maps and surveys, reports, and studies as available from the City, County of Monroe, NYSDOT or private utility corporations.

c. The Consultant shall use all available existing data regarding subsurface conditions for the evaluation and the design of the project.

**2. Project Familiarization**

The Consultant shall become familiar with the project related information prior to initiating design studies. The order of listing for Parts I through V does not necessarily signify that the work contained in some, if not all five parts, must be started immediately in order to progress the project in a timely and orderly fashion. As a minimum, work shall be started immediately on the following items;

- a. Environmental Assessments
- b. Utility Identification and Coordination
- c. NYSDEC, US Coast Guard, USCOE, NYS Canal Corporation Coordination and Permitting Requirements
- d. Street Lighting Coordination
- e. Staged Construction Coordination and impact mitigation

**3. Design Survey & Supplemental Survey**

- a. The Consultant shall perform the field survey necessary to obtain the survey data required by Section 5.03 and 5.04 of the Highway Design Manual.
- b. The Consultant shall provide the additional survey necessary and keep the mapping current for the duration of this Agreement.

**4. Design Mapping**

The Consultant shall provide the following mapping conforming to Section 5.04 and 5.05 of the Highway Design Manual:

- a. 1" = 20' scale base map for the project.

- b. 1" = 20' scale bridge site map with 1 foot contour intervals.
- c. 1" = 20' scale base map for critical or restricted locations.
- d. Swing Ties for all monuments within the project area
- e. Mapping shall be prepared on 24" x 36" mylar

**5. Miscellaneous Survey and Mapping**

The Consultant shall provide the additional survey and mapping necessary to keep the mapping current for the duration of this agreement.

The Consultant shall perform supplemental survey required for design purposes

**6. Phase V - Preliminary Design, Plans, and Concise Report Memorandum**

**a. Preliminary Design**

The Consultant shall prepare a Preliminary Design of the Project based on the Final Design Approval Document (IPP/FDR).

The Preliminary Design shall include but not be limited to the following:

- 1) Street geometrics including widenings or narrowings, alignment and intersection layout.
- 2) Street section including subgrade, pavement, shoulders, curbing, gutters, curb park, sidewalks, requirements for right-of-way, etc.
- 3) Layout of traffic features including pavement markings, parking zones, street signs, and signalization.
- 4) Layout of street and sidewalk lighting including pole type and size, luminaire type and wattage, spacing, conduit layout, pullbox location and power point locations.
- 5) Design of drainage facilities including hydrologic and hydraulic analysis. Design shall indicate location of catch basins and laterals.
- 6) Layout of sanitary sewer locations, size grades, type, manholes, junction chambers, etc.
- 7) Layout of water facilities including watermain size and type; service renewals, replacements and abandonments; hydrant renewals and relocations; and connections or tie-ins to existing mains.

- 8) Preliminary disposition of utilities.
- 9) Structural analysis and preliminary design of areaways shall be completed at this time only if authorized in writing as an Additional Service by the City.
- 10) Layout of bus stops, curb cuts, sidewalks, sidewalk ramps, access drives, and special treatments.
- 11) Preliminary design of any temporary or long-term structural protection; fills; structural repairs, renovations, replacements or improvements; etc., for special needs of the Project, including details of railings, retaining walls, concrete median barriers, and miscellaneous items.
- 12) Preliminary design of repairs or improvements to security, drainage, or other systems required for rehabilitation of the structure.
- 13) Layout of landscaping, identifying size and species, and provisions for maintenance and protection of existing vegetation.
- 14) Preliminary layout of the maintenance and protection of traffic provisions for the Project.

b. **Preliminary Plans.**

The Consultant shall submit 10 prints of the Preliminary Plans (50% complete) for review by the City and designated review agencies. This submission shall consist of the following:

- 1) Plans at 1" = 20' scale, showing the highway alignments, pavement widths, drainage concepts, property owners, proposed right-of-way lines, and major utility relocations (if applicable). A Maintenance and Protection of Traffic Scheme (90%) shall also be shown on these plans, as well as intersection layouts and grading and work limits;

50% Plans should include a cover sheet, a legend with an index, survey data, location plan; a draft of the summary of quantities and construction tables; a preliminary maintenance and protection of traffic plan; typical sections; construction details; cross-sections at a minimum of every 50 feet or as needed; plans and profiles showing side street tie-ins; plan of the utilities including water main and plan and profiles of sewers; plans of the signals, pavement marking, signing, sign text data sheet; and miscellaneous tables and details as required. All are to be prepared with sufficient detail to show the layout, basic design details, materials and construction methods.

Various tables to be considered in this phase include a water service, driveway, sign post sleeve, hydrant disposition, areaway, drainage structures, manhole adjustment, induction loops, sewer laterals, underdrain, survey monuments, bus stops, fire alarm standards, trees, lightpole dispositions, fence disposition and utility disposition, structures, and interior lighting. Project work limits shall also be identified.

The plans shall include such other bridge structural detail as required by the NYSDOT Design Procedure Manual and Highway Design Manual.

- 2) Profiles at a scale of 1" = 20' horizontal and 1" = 5', showing vertical datum reference, existing ground, vertical curve data, superelevation data, and utility and drainage crossings. Stationing from the 1" = 20' scale plans shall be used.
- 3) Typical sections showing pavement widths, material thickness and item numbers for all items used.
- 4) The Consultant shall prepare and submit Preliminary Plans for each structure in accordance with the latest City and NYSDOT standards. The Preliminary Plan shows basic concepts and major details (including all existing and proposed utilities), acquaints affected parties with the project and project components, serves as an instrument for initial approval and as a basis for the development of final plans. Maintenance and protection of traffic will be indicated on the preliminary plan. Latest cost estimates are to be included.
- 5) Templated cross sections (two sets of prints only) shall be prepared on 24"x36" cross section paper and at a vertical scale of 1"=2' and horizontal scale not less than 1"=5'.
- 6) Preliminary quantity estimates using correct items numbers.
- 7) Cost Estimate with share breakdown (submit 10 copies).
- 8) The Preliminary Plans for each structure shall include at a minimum the following:
  - \* Location Plan;
  - \* Plan View (1" = 20') showing Bridge Centerline
  - \* Substructure Locations and Span Lengths
  - \* Elevation View (1"= 20') including any architectural treatment;
  - \* Minimum Clearance (Horizontal and Vertical)
  - \* Transverse Sections of Bridge and Approach Highway
  - \* Existing Contours
  - \* Existing and Proposed Boring/Coring Locations
  - \* Elevation view of existing piers;

- \* Proposed substructure and foundation treatment;
- \* Profile of over features;
- \* Notes regarding design specifications;
- \* Disposition of utilities;
- \* Special conditions that may apply;

c. **Concise Report Memorandum / Amended Environmental Assessment Form**

A concise report memorandum shall supplement the Preliminary Plans. The memorandum shall include:

- 1) Evaluations, recommendations and design criteria pertinent to the design of the project elements.
- 2) A discussion of maintenance and protection of traffic and services required during construction of the Project.
- 3) A report on the extent of involvement with the Project by utilities, agencies, and others including preliminary construction schedule which shall identify project and utility work, duration, impacts and potential conflict.
- 4) An amendment of the Environmental Assessment Form (EAF 1c) as necessary detailing the effects of the project, particularly during the construction phase. This shall not constitute a requirement to prepare an Environmental Impact Statement.

Submit 10 copies of the memorandum.

**7. Meetings**

a. Review Meetings

The Consultant shall present the Preliminary design documents at a review meeting with the City and others designated by the City, if so requested.

b. Utility/Agency/Railroad Review Meeting

The Consultant shall present the Preliminary Plans for review at a meeting with the City, Utilities/Agencies, and others designated by the City and prepare minutes of this meeting. The Consultant shall, with City concurrence, incorporate into the final design of the Project any comments and changes resulting from this review meeting(s) with the City.

The Consultant shall present the Preliminary Plans to representatives of the CSXT Corp for coordination purposes related to any and all permitting and access licenses, agreements, or permits.

c. Neighborhood Meeting(s)

At the request of the City and in cooperation with the City, the Consultant shall conduct meetings with neighborhood groups and merchant's associations neighboring the Project Area. At the meeting(s) the Consultant shall attempt to determine the problems, needs, and priorities of such associations and their members and shall solicit suggested methods of remedying their problems with current structure and facilities. The Consultant shall also utilize such meeting(s) to keep residents and merchants informed of the progress of the project, in order to stimulate their involvement and cooperation. In order to facilitate the dissemination of information at such meetings, the Consultant shall prepare necessary display and informational material. The Consultant shall provide a memorandum of the meetings.

d. Traffic Control Board

The Consultant shall present the project to the City of Rochester Traffic Control Board for approval of any traffic regulations or geometric changes.

**8. Phase V - Advance Detail Plans**

a. **95% Final Design**

The Consultant shall accomplish the final design and the preparation of final plans and specifications in accordance with applicable City, County, State and Federal procedures for all elements of work as defined in the Preliminary Design Phase, including:

- 1) Final street geometrics including widenings or narrowings, alignment and intersection layout.
- 2) Final typical street sections including subgrade, pavement, shoulders, curbing, gutters, curb park, sidewalks, requirements for right-of-way, etc.
- 3) Final design of traffic features including pavement markings, parking zones, street signs, and signalization.
- 4) Final design of drainage facilities including hydrologic and hydraulic analysis. Design shall indicate location of catch basins and laterals.

- 5) Final layout of sanitary sewer locations, size grades, type, manholes, junction chambers, etc.
- 6) Final layout of water facilities including watermain size and type; service renewals, replacements and abandonments; hydrant renewals and relocations; and connections or tie-ins to existing mains.
- 7) Utility disposition, including abandonment, relocation and/or new installation, but not including plans for the actual design of the utilities. The Consultant shall prepare a detailed utility construction schedule. Such schedule shall identify work, duration, impacts and potential conflicts.
- 8) Final layout of parking, bus stops, curb cuts, sidewalks, sidewalk ramps, access drives, and special treatments.
- 9) Final design of any structural repairs, renovations, replacements or improvements, for special needs of the Project, including details of railings, retaining walls, concrete median barriers, and miscellaneous items.
- 10) Final design of repairs or improvements to lighting, power, security, drainage, or other systems required for rehabilitation of the structure.
- 11) Final layout and design of temporary structures or other measures required to maintain and protect access to and usage of the structure by lessees.
- 12) Final layout of landscaping, identifying size and species, and provisions for maintenance and protection of existing vegetation.
- 13) Final layout of maintenance and protection of traffic for the project.

- b. The Consultant shall develop and provide 10 sets of the Advance Detail Plans in accordance with the requirements of the NYSDOT Design Procedure Manual and the Highway Design Manual. For this submission the plans should be 95% complete, the specifications and notes 75% complete (submit 10 copies of the specifications and notes). The plan scales shall be 1" = 20'. The associated profile scales shall be 1" = 20' horizontal and 1" = 5' vertical.

The Advance Detail Plans shall include the complete details of the structure and all general notes. The details must be fully dimensioned. Bar lists are not required at this time. All special specifications shall be submitted at this time with the text of the special specifications complete. An Estimate of Quantities listing all the required items is to be included. A construction cost estimate based on quantities shall be provided. If quantities cannot be determined for all items, costs based on the best available information at the time shall be used.

- c. The Consultant shall develop and provide the design and plans for Maintenance Jurisdiction (use 1" = 200' scale).
- d. The Consultant shall provide the landscape development plans, specifications and estimates. Designs and planting quantities will be placed on 1" = 20' scale plan sheets.
- e. The Consultant shall provide a Report on Design and Estimate (see Chapter 21 of Highway Design Manual) with the submission of the Advance Detail Plans (submit 12 copies). This submission shall also include draft copies of Special Specifications, Special Notes, and Preliminary Lump Sum Item Work-ups.
- g. The Consultant shall submit up to 6 copies each of the Contract Documents and specifications, quantities and an up-to-date cost estimate with share breakdown. In addition, a quantity work-up book is to be prepared and submitted.

## **9. Meetings**

- a. Review Meetings

The Consultant shall present the Advance Detail Plans at a review meeting with the city and others designated by the City, if so requested.

- b. Utility/Agency Review Meeting

The Consultant is to provide an in depth utility/agency review meeting of the Advance Detail Plans with the City and other appropriate authorities.

c. Neighborhood Meeting(s)

At the request of the City and in cooperation with the City, the Consultant shall conduct meetings with neighborhood groups and merchant's associations neighboring the Project Area. The Consultant shall utilize such meeting(s) to keep residents and merchants informed of the progress of the project, in order to stimulate their involvement and cooperation. The Consultant shall prepare necessary display and informational material for the meeting(s). The Consultant shall provide a memorandum summarizing these meetings.

d. Traffic Control Board

The Consultant shall present the project to the City of Rochester Traffic Control Board for approval of Maintenance and Protection of Traffic provisions and any traffic regulations.

**10. Phase V - Final Plans, Specifications, and Estimates**

- a. The Consultant shall modify the Advance Detail Plans, Specifications, Estimate, and Report on Design and Estimate based on City, State and other agency review. (Assume one meeting to review comments). The Consultant shall submit 6 sets of the completed P.S.&E. and of the completed cost estimate and share breakdown for City and NYSDOT review four (4) weeks prior to the P.S.&E. approval date.

**11. Contract Documents**

- a. The Consultant shall incorporate into the final Contract Documents for the Project any comments or changes resulting from the Draft PS&E reviews.

The Consultant shall prepare for approval by the City, Contract Documents including Project Summary, Special Instructions to Bidders, Bidding Forms, Special Terms and Conditions, Special Laws and Regulations, Project Specifications and working drawings for the Project. The Contract Documents are to be based upon standard City forms wherever applicable using the City's Standard Construction Documents.

The Consultant is to furnish 45 complete sets of the Contract Documents under this agreement, some of which are to be delivered by the Consultant to utilities or other agencies as indicated by the City.

b. Cost Estimates

The Consultant is to provide the City with a revised cost estimate including the basis for quantities in the estimate and the funding share breakdown for the project based on completed Contract Documents (submit 5 copies). In addition, a final quantity work-up book is to be prepared and 4 copies submitted.

**12. Coordination and Management**

- a. The consultant and each subconsultant shall perform Quality Assurance Reviews of reports, plans, specifications, estimates, and other highway and bridge design materials that they prepare for submittal to the City and State.
- b. The Consultant shall review the work of all subconsultant(s) prior to its transmittal to the City, for quality assurance regarding its compliance with all City and NYSDOT requirements. No subconsultant work shall be submitted to the City for project use without a prior quality assurance check.
- c. The Consultant shall coordinate the scheduling of all prime consultant and subconsultant work.

**E. PART V. Bidding and Construction Phase Services**

**1. Bidding Phase:**

- a. Prior to contract letting and subsequent to P.S.&E. submission, the Consultant shall make necessary revisions and last minute changes to plans, specifications, and estimates that result from the City and other agency reviews.
- b. The Consultant shall prepare addenda as needed during the bidding phase. Such addenda shall conform to the requirements of the City's Purchasing Agent. The Consultant shall submit 45 copies of the addenda to the City and designated utilities and agencies.
- c. The Consultant is to assist the City in pre-bid meetings and pre-award meetings.
- d. The Consultant shall review the bids, prepare the conformed copies of the Contract Documents, prepare bid tabulations in a format agreed upon by the City, prepare a share breakdown based on the low bidder's bid, prepare analysis of the bid tabulations and letter of recommendation for award. This information shall be returned to the City within five (5) working days. Submit 10 copies of the bid tabulations, share breakdown, bid analysis, and recommendation.

- e. The Consultant shall keep a copy of the P.S.&.E. they prepared for record purposes.

## **2. Construction Phase**

The Consultant shall provide the following services:

- a. Provide, during the construction contract to be entered into by the City for the construction of this Project, to the satisfaction of the City, periodic engineering consultation services to verify adherence to the design and to assist in the administration of the construction until final completion and acceptance by the City.
- b. Check and approve shop drawings for conformance with the design concept of the Project and compliance with the information given by the Contract Documents. There shall be no change in the scope of the work or in materials specified by the Contract Documents until approval for such change has been given in writing by the City.
- c. Visit the job whenever requested by the City for the purpose of clarifying or interpreting any phase of the work.
- d. Conduct, in company with the City and others designated by the City, a final inspection of the Project for conformance with the design of the Project and compliance with the information given in the Contract Documents.

## SCHEDULE A

### FEE SCHEDULE

| ITEM DESCRIPTION                           | Consultant Name<br>Contract Amount | % | Sub Consultant<br>Contract Amount | % | TOTAL |
|--------------------------------------------|------------------------------------|---|-----------------------------------|---|-------|
| <b>I. BASIC SERVICES</b>                   |                                    |   |                                   |   |       |
| Detailed Design:                           |                                    |   |                                   |   |       |
| Supplemental Survey & Mapping              |                                    |   |                                   |   |       |
| Preliminary Design & Plans                 |                                    |   |                                   |   |       |
| Final Design                               |                                    |   |                                   |   |       |
| Final Plans, Specifications, &<br>Estimate |                                    |   |                                   |   |       |
| Contract Documents                         |                                    |   |                                   |   |       |
| Bidding Phase                              |                                    |   |                                   |   |       |
| Construction Phase                         |                                    |   |                                   |   |       |
| <b>TOTAL I.</b>                            |                                    |   |                                   |   |       |
| <b>II. OVERHEAD ALLOWANCE</b>              |                                    |   |                                   |   |       |
| <b>TOTAL I - II</b>                        |                                    |   |                                   |   |       |
| <b>III. FIXED FEE</b>                      |                                    |   |                                   |   |       |
| <b>TOTAL I - III</b>                       |                                    |   |                                   |   |       |
| <b>IV. REIMBURSABLE EXPENSES</b>           |                                    |   |                                   |   |       |
| Reproduction, Drawings, & Reports          |                                    |   |                                   |   |       |
| CADD                                       |                                    |   |                                   |   |       |
| Misc. & Disposables Supplies               |                                    |   |                                   |   |       |
| Testing Services                           |                                    |   |                                   |   |       |
| Survey Crew--Supplemental Costs            |                                    |   |                                   |   |       |
| <b>TOTAL IV.</b>                           |                                    |   |                                   |   |       |
| <b>TOTAL I-IV.</b>                         |                                    |   |                                   |   |       |
| <b>V. ADDITIONAL SER-VICES</b>             |                                    |   |                                   |   |       |
| Contingency (5% maximum)                   |                                    |   |                                   |   |       |
| <b>TOTAL V.</b>                            |                                    |   |                                   |   |       |
|                                            |                                    |   |                                   |   |       |
| <b>GRAND TOTAL, I-V.</b>                   |                                    |   |                                   |   |       |

## **SCHEDULE B - TIME SCHEDULE**

| <b><u>DETAILED DESIGN PHASE</u></b>     | <b><u>Days From Notice to Proceed</u></b> | <b><u>Total Days</u></b> |
|-----------------------------------------|-------------------------------------------|--------------------------|
| Supplemental Survey & Mapping           | 0 to 30 days                              | 30 days                  |
| Preliminary Design & Plans              | 31 to 90 days                             | 60 days                  |
| Final Design                            | 91 to 120 days                            | 60 days                  |
| Final Plans, Specifications, & Estimate | 121 to 170 days                           | 50 days                  |
| Contract Documents                      | 171 to 210 days                           | 30 days                  |
| Bid and Award Phase                     | 211 to 300 days                           | <u>90 days</u>           |
|                                         | <b>Total Detailed Design</b>              | <b>320 days</b>          |
| Construction Phase                      | 300 to 540 days                           | <u>240 days</u>          |
|                                         | <b>Total Construction Phase</b>           | <b>240 days</b>          |

## LIST OF ASSUMPTIONS - **CONSULTANT**

The Consultant will be responsible for and shall assume the following:

1. Design survey and mapping is required
2. No ROW will be required
3. The repairs are considered preventative maintenance in nature
4. This project will NOT be advanced in metric units
5. Since this project is oriented toward Preventative Maintenance, In-Depth Inspections and Level I Load Ratings will not be required.
6. The City will supply the Consultant with City boiler plate for the Contract documents.
7. City, County and NYSDOT specifications will be used on this project. NYSDOT will be reviewing and/or approving special specifications.
8. The City will provide, on CAD formatted diskettes, any city standard detail that are to be used in this project.
9. The City of Rochester will advertise the project and award the Contract.
10. The Consultant will use New York State Department of Transportation format as support documentation for required City of Rochester payment Voucher and Services bill, Status reports and receipts.
11. The Consultant will provide coordination and management tasks on the project. This will include quality control reviews, monthly reports, and review of Sub-Consultant work.
12. The Consultant will not be responsible for all "as-built" drawings following the construction phase.
13. The Consultant shall take, maintain and distribute all meeting minutes.
14. The City will prepare and publish all legal notices.
15. It is assumed that the Consultant will attend, manage and coordinate up to 20 meetings. These meeting will involve presentations and/or review sessions with the following: City, Monroe County, NYSDOT, Utility/ Agencies, University of Rochester, Neighborhood and Community Associations
16. No cross-sections are required.