



## **TWO BRIDGE PREVENTATIVE MAINTENANCE PROJECT**

**Court Street over the Genesee River - BIN 2211250**

**East Main Street over CSXT – BIN 2211350**

**CITY OF ROCHESTER, MONROE COUNTY**

**PIN 4755.60**

### Proposal Provisions (Revised April 17, 2012 )

April 17, 2012

The City of Rochester, through its Bureau of Architecture and Engineering, seeks to retain a professional design firm to provide engineering, design and construction phase services for a Federal-Aid local bridge project that the City of Rochester is administering: Two Bridge Preventative Maintenance Project (NYSPIN 4755.60). To aid in the development of a proposal, the following material is attached to this solicitation: Scope of Services, Schedule, Location Map, and the Approved Final Design Report (IPP/FDR).

**Your proposal shall be limited to 20 pages (max) and contain the following items:**

**1. PROPOSAL REQUIREMENTS**

- \* Transmittal Letter (1 pg)
- \* Work Proposal (4 pages)
- \* Gantt Chart for overall Schedule (1 pg)
- \* Organizational chart depicting team interaction and assignments (1 pg)
- \* Resumes for Proposed Team (6 pgs)
- \* Brief description of similar bridge projects (3 pgs)
- \* Description and Interaction of Project Team (2 pgs)
- \* Experience with preventative maintenance projects (2 pgs)
- \* 5 bound copies of entire proposal

**2. RFP SCHEDULE**

Submit proposals by **5:00 p.m., April 27, 2012**, to

Thomas Hack, P.E., Project Manager  
Bureau of Architecture & Engineering Services  
City of Rochester  
30 Church Street, Room 300B  
Rochester, N.Y. 14614

**3. PRE-PROPOSAL MEETING:** Not Applicable - NO pre proposal meeting scheduled

#### 4. **CONSULTANT FEE**

The Consultant shall NOT submit their proposed design fees with this proposal.

The firm deemed to be the best qualified by the Evaluation Committee shall be notified in writing , at which time they will be asked to submit their salary schedules, staffing tables, non-direct costs, subcontractor costs, total project cost summaries and technical assumptions (NYSDOT Analysis – Shell iii).

#### 5. **CONSULTANT SELECTION**

##### a. Selection Schedule:

Consultant Proposals Due:	April 27, 2012
Scope and Fee negotiations:	April 27 to May 14, 2012
City Council Approval of Consultant Selection:	June 19, 2012
Professional Services Agreement Execution:	June 20, 2012 to July 6, 2012
Notice to Proceed:	July 9, 2012

##### b. Evaluation Committee:

Selected personnel from the City of Rochester and other designated organizations will form the evaluation committee for this RFP. It will be the responsibility of this committee to evaluate all properly prepared and submitted responses to the RFP and make a recommendation to enter into a Professional Service Agreement (PSA) with the most qualified firm.

##### c. Consultant Selection Criteria:

Consultant selection will be based on a rating of consultant proposals. The following criteria will be used to evaluate them.

##### 1. Project Team (50% of score):

Experience of the proposed project team with the various phases of the proposed project, design of comparable bridge rehabilitation, including comparable locally- and Region 4 NYSDOT-administered Federal Aid projects and City of Rochester projects; knowledge and experience with environmental/SEQR/SHPO procedures; maintenance and protection of traffic and coordination with NYSDOT projects; mitigation of construction impacts; ability to advocate for City issues; knowledge of the project area; public presentation skills; Experience and knowledge related to the preparation, assembly, context and content of contract documents and reports; Overall vision and creativity; Skill set and experience related to detailed and final design, contract document preparation, bid and award phases, construction phase services; Conducting , leading, managing and diffusing public process; Depth of knowledge, experience and creativity in structural engineering; Experience related to cost estimating and Implementation phasing.

2. Proposal (40% of score):

Quality and appropriateness of the proposal to the project scope. The Proposals will be reviewed on a basis of knowledge, creativity, experience, understanding of the following aspects of the project (not all inclusive – the Consultant can and should elaborate): Maintenance costs and issues; Traffic and Parking Analysis; Cost Estimate and Implementation Phasing; Project Permitting; Public Process and Input; Detailed and Final Design (Design Phases V-VI); Creative Structural Solutions, Project Estimates; Community Coordination; Approvals from various regulatory agencies; Contract Documents; Construction Phase Services

3. Firm (10% of score):

Experience and prior performance with urban/City and NYSDOT design and construction projects, knowledge and experience with environmental/SEQR/SHPO procedures; maintenance and protection of traffic and coordination with NYSDOT projects; mitigation of construction impacts.

4. Interviews: Not applicable - No Interviews will be conducted.

d. Eligibility Qualifications, Requirements, and Preferences

The City of Rochester requires that all bidders and subcontractors present evidence of experience, ability, and financial standing. Designated firm(s) must submit proof of authority to practice engineering/surveying in New York State immediately upon designation.

e. Subcontracting Provisions

Subcontracting is encouraged and desirable. This contract contains utilization goals pursuant to Federal Disadvantaged Business Enterprise (NYSDOT certification) with a Disadvantaged Business Enterprise sub-contracting goal of 18%.

There is no requirement for participation in the City of Rochester Minority and Women's Business Enterprise (NYS certification, Rochester MSA) programs,

f. Living Wage Requirements

The study agreement will contain a requirement that the covered consultant and any covered subconsultants and subcontractors pay their employees who directly work on the project a living wage. Rochester City Council adopted the Rochester Living Wage Ordinance (Section 8A-18 of the Rochester Code), effective July 1, 2001, which requires covered employers who are awarded City service contracts of \$50,000 or more to pay a Living Wage, as defined in the Ordinance, to their employees who perform work under the contract. As set forth in §8A-18D(1) of the Ordinance, if the total amount of the proposal is \$50,000 or more during the period of one year, a written commitment to pay all covered employees a Living Wage and a list of job titles and wage levels of all covered employees in each of the years for which this agreement is sought shall be submitted with the proposal. The current Living Wage rates and a link to the Rochester Living Wage Ordinance can be found on the City website at:

<http://www.cityofrochester.gov/index.cfm?id=571>

## 6. General Information

- a. Deadlines or timeframes may be altered by the City as necessary. This RFP may be withdrawn by the City for any reason and that the City shall have no liability for any costs incurred in preparing a proposal
- b. Materials submitted with the proposal shall become the property of the City and that if any proprietary information is submitted with the proposal it must be clearly identified and a request to keep such information confidential must be submitted
- c. The selection of a consultant is within the City's sole discretion, no reasons for rejection or acceptance of proposals are required to be given.
- d. There are no pre-proposal conferences or meetings scheduled for interested consultants
- e. Questions must be submitted in writing (preferably e-mail). All questions and our responses will be shared with all who have indicated an intent to submit a proposal and have provided an e-mail address
- f. City contact person for this RFP is as shown below. Only the named person below should be contacted in regards to this proposal

Thomas C. Hack, P.E , Senior Structural Engineer  
City of Rochester  
City Hall, Room 300B  
30 Church Street  
Rochester, New York 14614  
(585) 428-6852  
[hackt@cityofrochester.gov](mailto:hackt@cityofrochester.gov)

James R. McIntosh, P.E.,  
City Engineer

# **SCOPE OF SERVICES**

# **DRAFT SCOPE OF SERVICES**

## **TWO BRIDGE PREVENTATIVE MAINTENANCE PROJECT**

**Court Street over the Genesee River - BIN 2211250**

**East Main Street over CSXT – BIN 2211350**

**CITY OF ROCHESTER, MONROE COUNTY**

**PIN 4755.60**

### **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 two bridges are identified as preventative maintenance in scope and are identified as follows:

- \* BIN 2211250 - Court Street Bridge over the Genesee River
- \* BIN 2211350 - East Main Street over CSXT

#### **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 Court Street Bridge over the Genesee River (BIN 2211250) and the East Main Street Bridge over CSXT (BIN 2211350)

The repairs are classified as preventative maintenance in nature and may include the following:

##### **BIN 2211250 - Court Street Bridge over the Genesee River (Spans 9 & 10 Only)**

Specific bridge element activities that are proposed include: routine painting, replacements of pier pedestals, cleaning of bearings, compression seal replacement, concrete header repairs, and renovation to concrete piers.

##### **BIN 2211350 - East Main Street over CSXT**

Specific bridge element activities that are proposed include: preventative maintenance painting, bearing replacements, pedestal repairs, expansion joint sealing

Both bridges are described in greater detail in attached Design Approval Document (IPP/FDR – September 2011).

#### **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)	
Part V	Bidding and Construction Phase Services	

**Section 1.102 Description of Improvements**

The Project consists of improvements as generally identified below

**A. Bridge Improvements**

It is proposed that the each of the bridges received preventative maintenance activities as follows:

BIN 2211250 - Court Street Bridge over the Genesee River (Spans 9 & 10 Only)

It proposed that work activities for this bridge include: routine painting, replacements of pier pedestals, cleaning of bearings, compression seal replacement, concrete header repairs, and renovation to concrete piers.

BIN 2211350 - East Main Street over CSXT

It proposed that work activities for this bridge include: preventative maintenance painting (ends of beams), bearing replacements, pedestal repairs, expansion joint sealing

**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**

No upgrading of the street lighting systems are proposed for this project.

**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**

<b>A. PART I</b>	<b>Scoping</b>	<b><u>NOT IN CONTRACT</u></b>
<b>B PART II</b>	<b>Survey and Mapping (Design Phases I-IV)</b>	<b><u>NOT IN CONTRACT</u></b>
<b>C PART III</b>	<b>Preliminary Design (Design Phases I-IV)</b>	<b><u>NOT IN CONTRACT</u></b>
<b>D. PART IV</b>	<b>Detailed Design (Design Phases V &amp; VI)</b>	

### **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. CSXT Coordination and Permitting Requirements

**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**

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, railroads, and others including preliminary construction schedule which shall identify project and utility work, duration, impacts and potential conflict.

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.
- f. 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 Contract Amount	%	Sub Consultant Contract Amount	%	TOTAL
<b>I. BASIC SERVICES</b>					
Detailed Design:					
Supplemental Survey & Mapping					
Preliminary Design & Plans					
Final Design					
Final Plans, Specifications, & 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 SERVICES</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 (Beginning to End)</u></b>	<b><u>Total Days (per phase)</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 10 meetings. These meeting will involve presentations and/or review sessions with the following : City Monroe County, NYSDOT, Utility/ Agencies, CSXT, Neighborhood and Community Associations
16. No cross-sections are required.

# **APPENDIX A**

## Location Maps

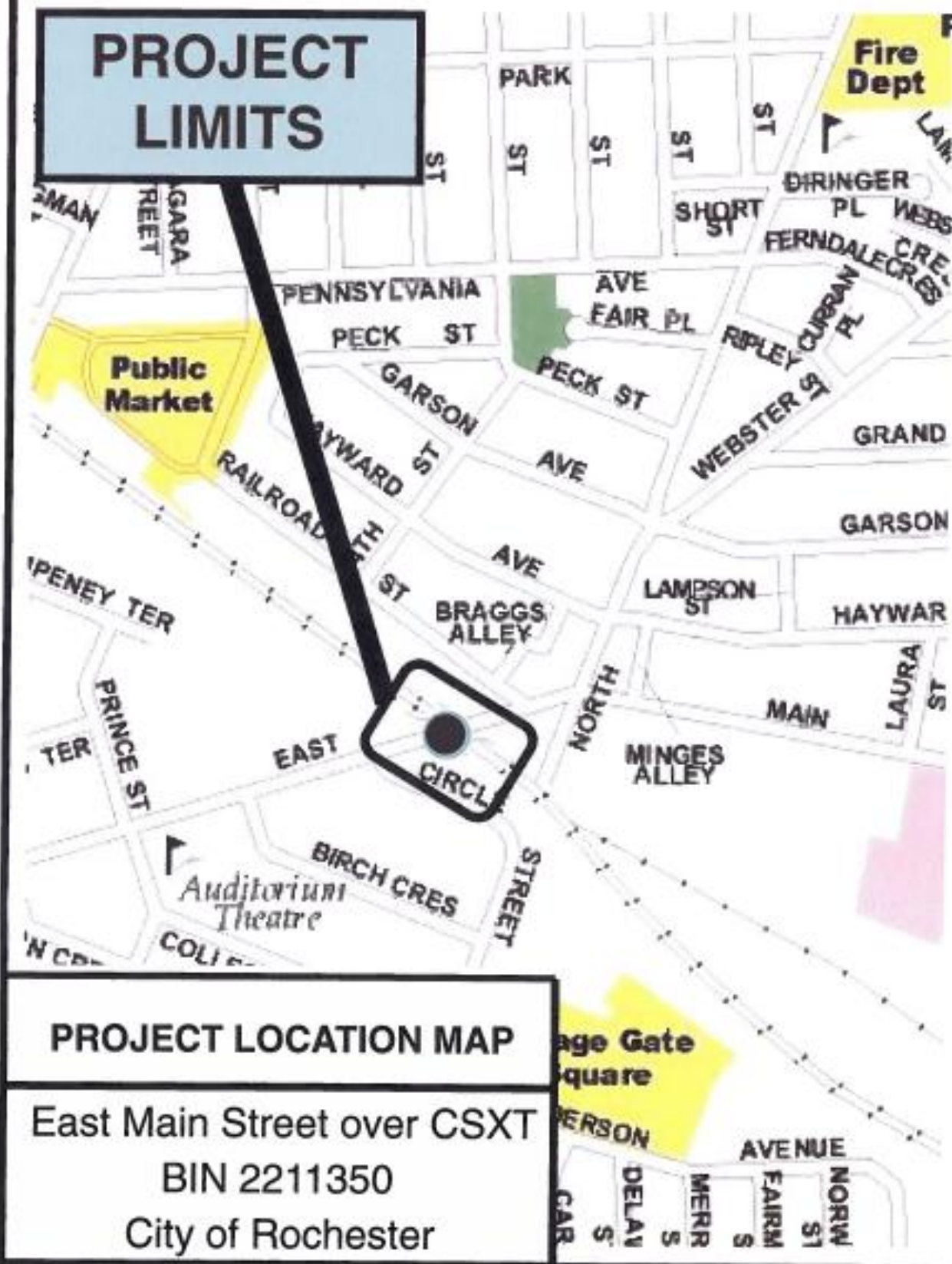
# PROJECT LIMITS



## PROJECT LOCATION MAP

Court Street Bridge  
BIN 2211250  
City of Rochester

# PROJECT LIMITS



## PROJECT LOCATION MAP

East Main Street over CSXT  
BIN 2211350  
City of Rochester

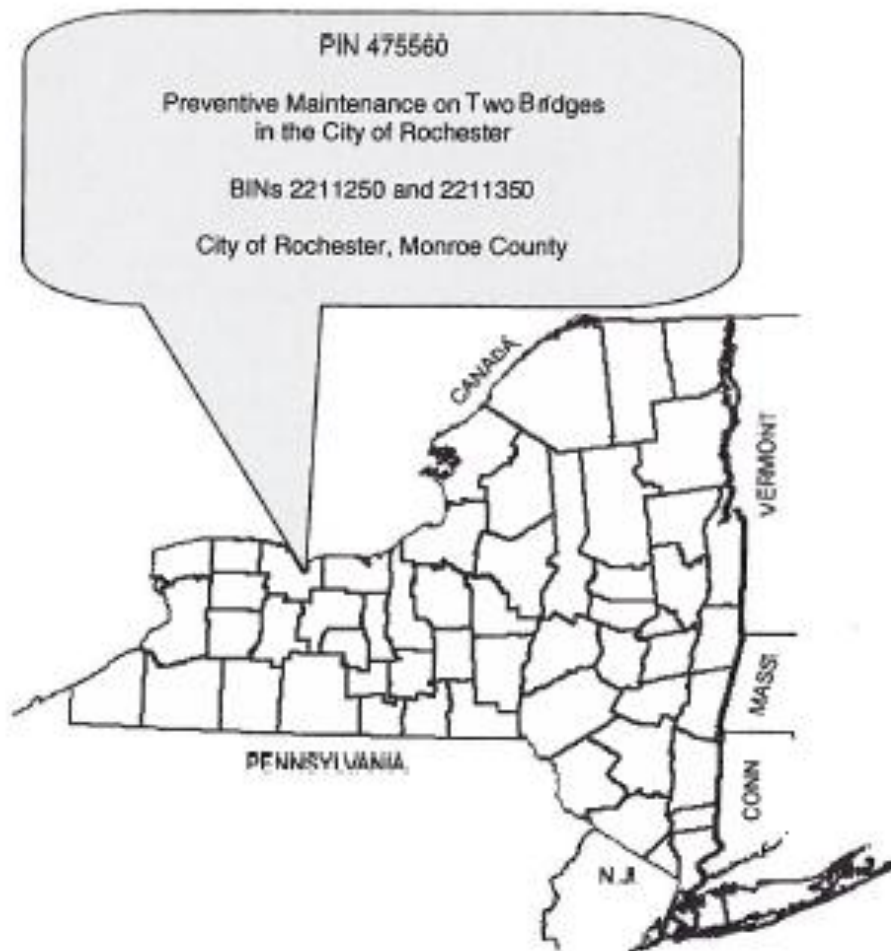
# **APPENDIX B**

Approved IPP/FDR

# TRANSPORTATION

## INITIAL PROJECT PROPOSAL / FINAL DESIGN REPORT

September 2011



City of Rochester, Department of Environmental Services  
Architecture and Engineering Bureau

U.S. Department of Transportation Federal Highway Administration

NEW YORK STATE DEPARTMENT OF TRANSPORTATION  
Andrew Cuomo, Governor  
Joan McDonald, Commissioner

PROPOSED PROJECT



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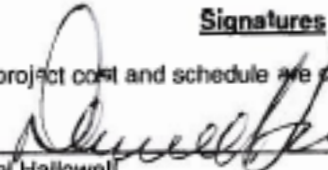
# PROJECT APPROVAL SHEET

(Pursuant to SAFETEA-LU Matrix)

## Milestones

**A. Recommendation for  
Initiation, Scope & Design  
Approval:**

The project cost and schedule are consistent with the Regional Capital Program.

  
Daniel Hallowell  
Regional Program Manager

## Dates


9/16/2011

**B. Initiation and Scope  
Approval:**

The project cost and schedule are consistent with the Regional Capital Program

**Environmental  
Determination & Federal  
Aid Process Concurrence:**

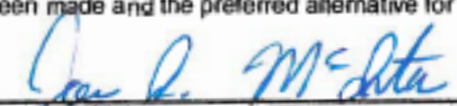
The NYSDOT concurs with the classification of this project as a NEPA Class II,  
Programmatic Categorical Exclusion as described in this document.

  
Robert A. Traver, P.E.  
Acting Regional Director, NYSDOT R4

9/27/11

**C. Scope, and Design  
Approval:**

This project was progressed using the NYSDOT Locally Administered Federal Aid  
Procedures Manual. All requirements requisite to these actions and approvals  
have been met, the required independent quality control reviews separate from  
the functional group reviews have been accomplished, and the work is consistent  
with established standards, policies, regulations and procedures, except as  
otherwise noted and explained. The required environmental determinations have  
been made and the preferred alternative for this project is ready for final design.

  
James R. McIntosh, P.E.  
City Engineer, City of Rochester

9/16/11

## LIST OF PREPARERS

### Senior Structural Engineer Responsible for Production of the Design Approval Document:

Thomas C. Hack, P.E., Project Manager, City of Rochester

Description of Work Performed by City: Directed the preparation of the Design Approval Document in accordance with established standards, policies, regulations and procedures, except as otherwise explained in this document.



**Note:** It is a violation of law for any person, unless they are acting under the direction of a licensed professional engineer, architect, landscape architect, or land surveyor, to alter an item in any way. If an item bearing the stamp of a licensed professional is altered, the altering engineer, architect, landscape architect, or land surveyor shall stamp the document and include the notation "altered by" followed by their signature, the date of such alteration, and a specific description of the alteration.

**PIN:** 475560

**PROJECT NAME:** Preventive Maintenance for Two Bridges in the City of Rochester

**MUNICIPALITIES:** City of Rochester

**COUNTY:** Monroe

**ROUTE/STATE HIGHWAY NUMBER:** NA

**BIN:** 2211250, Court Street over the Genesee River  
2211350, East Main Street over the CSX Railroad

**LIMITS:** Milepoints: NA  
Reference Markers: NA

**PROJECT LENGTH:** NA

**FEDERAL AID SYSTEM:** FA, non-NHS

**FUNCTIONAL CLASS:** urban minor arterial

**EXISTING AADT:**

BIN 2211250, Court Street over the Genesee River:	7,798
BIN 2211350, East Main Street over the CSX Railroad:	22,360

**PERCENT TRUCKS:**

BIN 2211250, Court Street over the Genesee River:	623
BIN 2211350, East Main Street over the CSX Railroad:	2,683

**EXISTING CHARACTERISTICS OF CONCERN:** Due to age and wear, these bridges are in need of certain preventive maintenance treatments in order to continue to function as designed. There are no critical characteristics of concern but each warrants improvements to wearing surfaces, bearings, and paint at joint locations.

**ELEMENT**

**MEASURE/INDICATOR**

BIN 2211250	Condition Rating is 4.319; Sufficiency Rating is 41.3 <ul style="list-style-type: none"><li>• Wearing Surface rated '4' on 8 of 10 spans</li><li>• Bearings and pedestals rated '4' on 2 of 10 spans</li><li>• Paint rated '4' on 2 of 10 spans</li></ul>
BIN 2211350	Condition Rating is 5.047; Sufficiency Rating is 97.8 <ul style="list-style-type: none"><li>• Wearing Surface rated '4'</li><li>• Bearings rated '3', joints rated '4'</li><li>• Paint rated '4'</li></ul>
Bridge Deficiencies	Repairs beyond the capabilities of City Maintenance forces

**PROJECT OBJECTIVE:** This project would improve these bridges in order to extend their effective service life by 15 to 20 years. Repair specific bridge elements.

**PROJECT ELEMENT(S) TO BE ADDRESSED:**

- |   |   |
|---|---|
| <input type="checkbox"/> Deck/Minor Bridge Rehabilitation   | <input type="checkbox"/> Bridge Replacement, New Location         |
| <input type="checkbox"/> Major Bridge Rehabilitation        | <input type="checkbox"/> Bridge Replacement, Existing Location    |
| <input type="checkbox"/> Highway Resurface                  | <input type="checkbox"/> Highway Reconstruction                   |
| <input type="checkbox"/> Appurtenance                       | <input type="checkbox"/> Large Culvert Rehabilitation/Replacement |
| <input type="checkbox"/> Traffic Control                    | <input type="checkbox"/> Operational Maintenance                  |
| <input type="checkbox"/> Highway Element – Specific         | <input type="checkbox"/> Where & When                             |
| <input checked="" type="checkbox"/> Bridge Element Specific | <input type="checkbox"/> Other                                    |

**DESCRIPTION OF PROPOSED WORK:** The work to be undertaken is considered routine maintenance and includes the following element specific tasks:

- \* Wash Bridge
- \* Minor Deck Rehabilitation
- \* Repair Curbing
- \* Expansion Joint Replacement
- \* Jacking of Structural Steel
- \* Replacement of Bearings
- \* Rehabilitation of Concrete Pedestals
- \* Localized Painting

**PRIORITY RESULTS:** ☒ Mobility & Reliability ☐ Safety ☐ Security  
☐ Economic Competitiveness ☐ Environmental Stewardship

**FUNDING SOURCE:** ☐ 100% State ☒ Federal (HBP)

**RECOMMENDED ENVIRONMENTAL CLASSIFICATION:**

PROJECTED ENVIRONMENTAL PROCESS:				
NEPA:	<input type="checkbox"/> No Federal Funds	<input checked="" type="checkbox"/> Class II, CE <input type="checkbox"/> CE/Auto <input checked="" type="checkbox"/> CE/Prog <input type="checkbox"/> CE/Doc	<input type="checkbox"/> Class III, EA <input type="checkbox"/> SAFTEA-LU Applies	<input type="checkbox"/> Class I, EIS <input type="checkbox"/> SAFTEA-LU Applies
SEQR:	<input type="checkbox"/> Exempt	<input checked="" type="checkbox"/> Type II	<input type="checkbox"/> Non-Type II <input type="checkbox"/> EA -or-	<input type="checkbox"/> EIS

The following environmental Checklist is attached:

- ☒ NEPA Checklist
- ☒ Short Environmental Assessment Form

**MPO INVOLVEMENT:** ☐ No ☒ Yes, TIP Name: PM on 2 Bridges in the City of Rochester  
TIP Number: B11-60-MN1

**TIP AMENDMENT REQUIRED:** ☒ No ☐ Yes, Needed by:

**STIP STATUS:** ☒ On STIP    ☐ Not on STIP

**MOU STATUS:** The PIN is not in the 2010/2011 MOU.

**SAFETY SCREENING:**

**BIN 2211250, Court Street over the Genesee River**

The Monroe County Department of Transportation has been contacted and indicated that there are no known issues or concerns regarding safety. There are problems with congestion, in part due to illegal parking in EB through lane by Dinosaur BBQ. Due to a proposal to close the adjacent Broad Street Bridge, striping changes may be needed at the Court Street Bridge to convert some of the parking area into a travel lane. Striping plans will be reviewed during final design regarding any possible changes to the existing configuration. Review of accident reports indicated no accident clusters or concerns within the project area. The existing bridge railing is non-standard. There is no immediate safety concern due to the non-standard bridge railing due to low travel speeds (posted 30 mph) and the offset distance from the travel lane to the bridge railing (8'-0" parking lane plus 11' 0" sidewalk, 19'-0" total). The non-standard bridge railing will be addressed with a future major bridge rehabilitation project.

**BIN 2211350, East Main Street over the CSX Railroad**

The Monroe County Department of Transportation has been contacted and indicated that there are no known issues or concerns regarding safety. A traffic study in this area has proposed a change in cross section on Main Street and the modification of the Main/Goodman intersection which is outside the limits of the project. Review of accident reports indicated no accident clusters or concerns within the project area.

**NOTES ON SPECIAL CIRCUMSTANCES:** Scoping, design and construction are to be administered by the City Structural Engineering Office. The sponsor's project manager is Tom Hack, Senior Structures Engineer (585.428.6852).

**SPECIAL TECHNICAL ACTIVITIES REQUIRED:** A safety screening has been conducted for this project and is included in the project file. This project is exempt from section 106 review due to the nature of the project being Element Specific Bridge Maintenance. Work will occur in previously disturbed areas where there will be no impact to cultural resources. Work associated with repairs to BIN 2211350, East Main Street over the CSX Railroad, will require coordination with CSXT RR. Permitting requirements will be determined during Final Design. No other environmental permits or Agency coordination is required.

For painting operations the NYSDEC has been contacted regarding permit requirements and provided guidance that no permit is required for the work associated with the proposed preventative maintenance provided the Standard NYSDOT Specifications for Environmental Water Protection and Environmental Ground Protection are utilized in the Construction Contract Documents. Final permitting requirements will be reviewed during Final Design.

A State-Local agreement will be required to allow for reimbursement of sponsor expenditures consistent with the applicable Federal Aid Program.

**PLANNED PUBLIC INVOLVEMENT:** The nature of the project is Element Specific Bridge Maintenance therefore; input from residents during preliminary and final design is not being solicited. Coordination with utility companies within the project area will be completed in final design as needed. During construction, press releases and other media alerts will be used to increase public awareness. Motorist information strategies will include daily updates to traffic through the radio, and temporary motorist information signs.

**WORKZONE SAFETY & MOBILITY:** The Region has determined that the subject project is not significant per 23 CFR 630.1010. A Transportation Management Plan (TMP) consisting of a temporary work zone traffic control plan will be prepared during final design. Coordination with the Regional Transportation Operations Center and public information activities will be considered during final design.

**PROBABLE SCHEDULE AND COST:** Final design will begin in February 2012. The PS&E would be produced in December 2012 for a bid opening in February 2013. Contract award and construction start would be in April 2013. The estimated cost of design, construction, inspection, and administration is \$644,000.

**DESIRED LETTING:** 2/1/13

**DESIRED CONSTRUCTION COMPLETION:** 8/30/13

**SCHEDULE QUALIFIERS:**

<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	4(f)/106
<input type="checkbox"/>	Major Permits	<input type="checkbox"/>	Real Estate
<input checked="" type="checkbox"/>	Consultant	<input checked="" type="checkbox"/>	Other: SLA

**PROGRAMMING:**

Project Phase	Activity Duration	Estimated Cost	Fund Source	Obligation Date
Final Design (V-VI)	10 months*	62,000	FA (HBP)	2/3/12
Construction	5 months**	477,000	FA (HBP)	12/7/12
Construction Inspection	5 months**	45,000	FA (HBP)	12/7/12
TOTAL		644,000		

\* to PS&E (12/7/12) \*\* from award (4/5/13)

**BASIS OF ESTIMATE:** Preliminary estimate of work combined with Historic bid data and lump sum price analysis.

**PROJECT CATEGORY:** ☒ Simple ☐ Moderate ☐ Complex

**STATEWIDE SIGNIFICANCE:** ☒ No ☐ Yes

**ASSIGNED PROJECT MANAGER:** Thomas C. Hack, P.E.

**PHONE:** 585 428-6852

**FUNCTIONAL AREA:** City of Rochester, Bureau of Engineering and Architecture  
Department of Environmental Services

**IPP/FDR PREPARED BY:** Thomas C. Hack, P.E.  
(585) 428-6852

**DATE:** 9/14/11

# **Appendix A**

## **NEPA ASSESSMENT CHECKLIST**

**NYSDOT PIN 475560**

**Preventive Maintenance for Two Bridges in the City of Rochester  
City of Rochester,. Monroe County**

**BIN 2211250, Court Street over the Genesee River  
BIN 2211350, East Main Street over the CSX Railroad**

## NEPA ASSESSMENT CHECKLIST

Answer the following questions by checking YES or NO.

### I. THRESHOLD QUESTION

YES

NO

1. Does the project involve unusual circumstances as described in 23 CFR §771.117(b)?

\_\_\_\_\_



If YES, the project does not qualify as a Categorical Exclusion and an EA or EIS is required. You may STOP COMPLETING THE CHECKLIST.

If NO, go on.

### II. AUTOMATIC CATEGORICAL EXCLUSION

YES

NO

2. Is the project an action listed as an Automatic Categorical Exclusion in 23 CFR §771.117(c) (C List) and/or is the project an element-specific project classified by FHWA as a Categorical Exclusion on July 22, 1996?

\_\_\_\_\_



If YES to question 2, the project qualifies for a C List Categorical Exclusion. You may STOP COMPLETING THE CHECKLIST. The checklist should be included in the appendix of the Final Design Report (or Scope Summary Memorandum/Final Design Report). The CATEGORICAL EXCLUSION DETERMINATION memo is to be sent to the appropriate Main Office Design liaison unit with a copy of the Final Design Report (or Scope Summary Memorandum/Final Design Report). A copy of the CATEGORICAL EXCLUSION DETERMINATION memo must also be sent to the Office of Budget and Finance, Project and Letting Management, and others (see sample DETERMINATION memo attached).

(Note - Even if YES to question 2, there may be specific environmental issues that still require an action such as an EO 11990 Wetland Finding or a determination of effect on cultural resources. The project is still an Automatic Categorical Exclusion but the necessary action must be taken, such as obtaining FHWA's signature on the wetland finding. Refer to the appropriate section of the Environmental Procedures Manual for guidance.)

If NO to question 2, go on.

### III. PROGRAMMATIC CATEGORICAL EXCLUSION

YES

NO

3. Is the project on new location or does it involve a change in the functional classification or added mainline capacity (add through-traffic lanes)?

\_\_\_\_\_



	YES	NO
4. Is this a Type I project under 23 CFR 772, "Procedures for Abatement of Highway Traffic Noise and Construction"?	_____	<u>✓</u>
5. If the project is located within the limits of a designated sole source aquifer area or the associated stream flow source area, is the drainage pattern altered?	_____	<u>✓</u>
6. Does the project involve changes in travel patterns?	_____	<u>✓</u>
7. Does the project involve the acquisition of more than minor amounts of temporary or permanent right-of-way (a minor amount of right-of-way is defined as not more than 10 percent of a parcel for parcels under 4 ha (10 acres) in size, 0.4 ha (1 acre) of a parcel 4 ha to 40.5 ha (10 to 100 acres) in size and 1 percent of a parcel for parcels greater than 40.5 ha (100 acres) in size?	_____	<u>✓</u>
8. Does the project require a Section 4(f) evaluation and determination in accordance with the FHWA guidance?	_____	<u>✓</u>
9. Does the project involve commercial or residential displacement?	_____	<u>✓</u>
10. If Section 106 applies, does FHWA's determination indicate an opinion of adverse effect?	_____	<u>✓</u>
11. Does the project involve any work in wetlands requiring a Nationwide Wetland Permit #23?	_____	<u>✓</u>
12. Does the project involve any work in wetlands requiring an individual Executive Order 11990 Wetland Finding?	_____	<u>✓</u>

	YES	NO
13. Has it been determined that the project will significantly encroach upon a flood plain based on preliminary hydraulic analysis and consideration of EO 11988 criteria as appropriate?	_____	<u>✓</u>
14. Does the project involve construction in, across or adjacent to a river designated as a component proposed for or included in the National System of Wild and Scenic Rivers?	_____	<u>✓</u>
15. Does the project involve any change in access control?	_____	<u>✓</u>
16. Does the project involve any known hazardous materials sites or previous land uses with potential for hazardous material remains within the right-of-way?	_____	<u>✓</u>
17. Does the project occur in an area where there are Federally listed endangered or threatened species or critical habitat?	_____	<u>✓</u>
18. Is the project, pursuant to EPM Chapter 1A and Table 2 and Table 3 of 40 CFR Parts 51 and 93, non-exempt or does it exceed any ambient air quality standard?	_____	<u>✓</u>
19. Does the project lack consistency with the New York State Coastal Zone Management Plan and policies of the Department of State, Office of Coastal Zone Management?	_____	<u>✓</u>
20. Does the project impact or acquire any Prime or Unique Farmland as defined in 7 CFR Part 657 of the Federal Farmland Protection Policy Act and are there outstanding compliance activities necessary? (Note: Interpret compliance activity to mean completion of Form AD 1006.)	_____	<u>✓</u>

If NO for questions, 3-20, go on to answer question 21.

If YES to any question 3-20, project will not qualify as a Programmatic Categorical Exclusion. Answer questions 21 and 22 for documentation only and go on to question 23.

	YES	NO
21. Does the project involve the use of a temporary road, detour or ramp closure?	_____	<u>✓</u>

If NO to questions 3-20 and NO to question 21, the project qualifies as a Programmatic Categorical Exclusion. You may STOP COMPLETING THE CHECKLIST. The checklist should be included in the appendix of the Final Design Report (or Scope Summary Memorandum/Final Design Report). The CATEGORICAL EXCLUSION DETERMINATION memo is to be sent to the appropriate Main Office Design liaison unit with a copy of the Final Design Report (or Scope Summary Memorandum/Final Design Report). A copy of the Categorical Exclusion memo must also be sent to the Office of Budget and Finance, Project and Letting Management, and others (see sample DETERMINATION memo attached).

If YES to question 21, preparer should complete question 22 (i-v). If questions 3-20 are NO and 21 is YES, the project will still qualify as a Programmatic Categorical Exclusion if questions 22 (i-v) are YES.

	YES	NO
22. Since the project involves the use of temporary road, detour or ramp closure, will all of the following conditions be met:		
i. Provisions will be made for pedestrian access, where warranted, and access by local traffic and so posted.	_____	_____
ii. Through-traffic dependent business will not be adversely affected.	_____	_____
iii. The detour or ramp closure, to the extent possible, will not interfere with any local special event or festival.	_____	_____
iv. The temporary road, detour or ramp closure does not substantially change the environmental consequences of the action.	_____	_____
v. There is no substantial controversy associated with the temporary road, detour or ramp closure.	_____	_____

If questions 3-20 are NO, 21 is YES and 22 (i-v) are YES, the project qualifies for a Programmatic Categorical Exclusion. You may STOP COMPLETING THE CHECKLIST. The checklist should be included in the appendix of the Final Design Report (or Scope Summary Memorandum/Final Design Report). The CATEGORICAL EXCLUSION DETERMINATION memo should be sent to the appropriate Main Office Design liaison unit with a copy of the Final Design Report (or Scope Summary Memorandum/Final Design Report.) A copy of the CATEGORICAL EXCLUSION DETERMINATION memo must also be sent to the Office of Budget and Finance, Project and Letting Management, and others (see sample DETERMINATION memo attached).

If questions 3-20 are NO, 21 is YES and any part of 22 is NO, go on to question 23.

23. Is the project section listed in 23 CFR §771.117(d) (D List) or is the project an action similar to those listed in 23 CFR §771.117(d)?	YES	NO
	_____	_____

For those questions which precluded a Programmatic Categorical Exclusion, documentation should be provided for any YES response to questions 3-20 or for a NO response to any part of questions 22 (i-v). This documentation, as well as the checklist, should be included in the Design Approval Document, i.e., Final Design Report, etc., to be submitted to the Main Office/FHWA Design liaison unit for submission to the FHWA Division for classification of the project as a D List Categorical Exclusion.

# **Appendix B**

## **SEQR CHECKLIST**

**NYSDOT PIN 475560**

**Preventive Maintenance for Two Bridges in the City of Rochester  
City of Rochester,. Monroe County**

**BIN 2211250, Court Street over the Genesee River  
BIN 2211350, East Main Street over the CSX Railroad**

# SHORT ENVIRONMENTAL ASSESSMENT FORM

## PART II

(to be completed by agency)

Project: Preventive Maintenance for Two Bridges in the City of Rochester  
BIN 2211250, Court Street over the Genesee River  
BIN 2211350, East Main Street over the CSX Railroad

Location: City of Rochester, Monroe County

Project I.D. Number(s): NYSDOT PIN 475560

### Instructions:

(a) In order to answer the questions in this short EAF it is assumed that the reviewer will use currently available information concerning the project and the likely impacts of the action. It is not expected that additional studies, research or other investigations will be undertaken.

(b) If any questions has been answered Yes the project may be significant and a completed Impact Evaluation Part III is necessary. Maybe answers should be considered as Yes answers.

(c) If all questions have been answered No it is likely that this project is not significant.

(d) Environmental Assessment

- |  |         |  |
|--|---------|--|
| 1. Will the project physically alter 10 or more acres of land  | ___ YES | <input checked="" type="checkbox"/> NO |
| 2. Construction on slopes of 15% or greater or where the general slopes in the project area exceed 10% | ___ YES | <input checked="" type="checkbox"/> NO |
| 3. Construction that will continue for more than 1 year or involve more than one phase or stage        | ___ YES | <input checked="" type="checkbox"/> NO |
| 4. Construction in a designated floodway or floodway fringe area (100 year flood boundary)             | ___ YES | <input checked="" type="checkbox"/> NO |
| 5. Will there be a change to any unique or unusual land form found on the site                         | ___ YES | <input checked="" type="checkbox"/> NO |
| 6. Will project alter or have an effect on an existing body of water                                   | ___ YES | <input checked="" type="checkbox"/> NO |
| 7. Dredging more than 100 cubic yards of material from channel of a stream                             | ___ YES | <input checked="" type="checkbox"/> NO |
| 8. Construction in a designated freshwater wetland or wetland buffer area                              | ___ YES | <input checked="" type="checkbox"/> NO |
| 9. Will project have a potential impact on groundwater quality   | ___ YES | <input checked="" type="checkbox"/> NO |
| 10. Project will require a SPDES/NPDES discharge permit  | ___ YES | <input checked="" type="checkbox"/> NO |

- |  |          |  |
|--|----------|--|
| 11. Construction or operation causing any contamination of a public water supply system  | ____ YES | <input checked="" type="checkbox"/> NO |
| 12. Liquid effluent will be conveyed off the site to facilities which presently do not exist or have inadequate capacity   | ____ YES | <input checked="" type="checkbox"/> NO |
| 13. Will project affect drainage flow on adjacent sites  | ____ YES | <input checked="" type="checkbox"/> NO |
| 14. Project is likely to cause erosion   | ____ YES | <input checked="" type="checkbox"/> NO |
| 15. Project is incompatible with existing drainage patterns  | ____ YES | <input checked="" type="checkbox"/> NO |
| 16. Project will result in the removal of any portion of wildlife habitat  | ____ YES | <input checked="" type="checkbox"/> NO |
| 17. Project would interfere with any resident or migratory fish or wildlife species  | ____ YES | <input checked="" type="checkbox"/> NO |
| 18. Project requires the removal of vegetation significant to the site and/or its surrounding area   | ____ YES | <input checked="" type="checkbox"/> NO |
| 19. Project will result in any new or modified emission points to the atmosphere   | ____ YES | <input checked="" type="checkbox"/> NO |
| 20. Project will affect the community's sources of fuel or energy supply   | ____ YES | <input checked="" type="checkbox"/> NO |
| 21. Project will result in an incompatible visual effect caused by the introduction of new materials, colors and/or forms in contrast to the surrounding landscape | ____ YES | <input checked="" type="checkbox"/> NO |
| 22. Project is easily visible, not easily screened, obviously different from others around it  | ____ YES | <input checked="" type="checkbox"/> NO |
| 23. Project will result in the elimination or major screening of scenic views or vistas known to be important to the area  | ____ YES | <input checked="" type="checkbox"/> NO |
| 24. Project will impact any known site or structure of historic, prehistoric or paleontological importance   | ____ YES | <input checked="" type="checkbox"/> NO |
| 25. Project will impact any site designated by Chapter 48 of the City Code as a critical environmental area  | ____ YES | <input checked="" type="checkbox"/> NO |
| 26. Project will have an effect on existing or future recreational opportunities   | ____ YES | <input checked="" type="checkbox"/> NO |
| -2-  |          |  |
| 27. Project will result in: (a) traffic problems; (b) affect existing transportation systems; or (c) result in pedestrian/vehicular conflicts                      | ____ YES | <input checked="" type="checkbox"/> NO |

28. Project will cause: \_\_\_\_\_ YES ☒ NO  
a. objectionable odors  
b. noise  
c. glare  
d. vibration  
e. electrical disturbance
29. Project will have an impact on public health or safety \_\_\_\_\_ YES ☒ NO
30. Project will cause a risk of explosion or release of hazardous substances (i.e. oil, pesticides, chemicals, radiation, etc.) in the event of accident or upset conditions, or there will be a chronic low-level discharge or emission. \_\_\_\_\_ YES ☒ NO
31. Project will result in storage facilities for flammable gases, liquids, or other materials \_\_\_\_\_ YES ☒ NO
32. Project will affect the character of the project area or neighborhood \_\_\_\_\_ YES ☒ NO
33. Project will conflict with community's existing plans or goals as officially approved or adopted \_\_\_\_\_ YES ☒ NO
34. Project will induce an influx of a particular age group with special needs \_\_\_\_\_ YES ☒ NO
35. Project will set an important precedent for future projects \_\_\_\_\_ YES ☒ NO

If any questions have been answered YES proceed to Part III, Impact Evaluation.

# **Appendix C**

## **MISC INFORMATION**

**NYSDOT PIN 475560**

**Preventive Maintenance for Two Bridges in the City of Rochester  
City of Rochester,. Monroe County**

**BIN 2211250, Court Street over the Genesee River  
BIN 2211350, East Main Street over the CSX Railroad**

# City of Rochester

## 2011-2014 Preventative Bridge Maintenance Project

Federal / State Aid - TIP Application



Bridge / Maintenance Task	Location	Estimate of Costs
<b>East Main Street Bridge over CSXT</b>		
Bearing Replacement (Assume 22 ea.)	BIN 2211350	\$54,000.00
Pedestal Repair (Assume 11 ea.)		\$14,900.00
Paint Weathering Steel Girder Ends		\$24,300.00
Structural Lifting Operations (Assume 22 ea.)		\$29,700.00
CSXT Fees (Approximately)		\$47,300.00
	Subtotal	\$170,200.00
<b>Court Street Bridge over Genesee River (Span 9 &amp; 10)</b>		
Field Clean and Overcoat Structural Steel	BIN 2211250	\$87,800.00
Compression Seal Replacement		\$13,500.00
Pier Bearing Replacement (Assume 18 ea.)		\$40,500.00
Pier Pedestal Replacement (Assume 9 ea.)		\$13,500.00
Structural Lifting Operations (Assume 18 ea.)		\$27,000.00
Concrete Pier Repairs (Pier #9)		\$40,500.00
Paint Bridge Railing		\$40,500.00
	Subtotal	\$263,300.00

Scoping.....	In house	
Preliminary Design .....	In house	
Final Design .....	\$ 62,300	
Construction .....	\$ 476,500	
Construction Inspection .....	\$ 45,200	
<b>PROJECT COST:</b>	<b>\$ 584,000</b>	
Design (12%):	\$ 56,600.00	
Design Admin (10% of design):	\$ 5,700.00	
Construction Budget:	\$ 433,500.00	
RPR/CI (15%):	\$ 43,000.00	
Construction Admin (10% of RPR):	\$ 2,200.00	
Contingency (15%):	\$ 43,000.00	
<b>PROJECT TOTAL</b>	<b>\$ 584,000.00</b>	