



ELMWOOD AVENUE BRIDGE OVER THE GENESEE RIVER PREVENTATIVE MAINTENANCE PROJECT

**Elmwood Avenue Bridge over the Genesee River - BIN 4025890
CITY OF ROCHESTER, MONROE COUNTY
PIN 4755.32**

Proposal Provisions

June 12, 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 administrating: Elmwood Avenue Bridge over the Genesee River - BIN 4025890 (NYS PIN 4755.32). 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., June 29, 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 staffing tables, hours, and/or 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:

1	Consultant Proposals Due:	June 29, 2012
	Selection Team Reviews	July 2 to July 13, 2012
	Scope and Fee negotiations:	July 16 to July 30, 2012
	City Council Approval of Consultant Selection:	August 21, 2012
	Professional Services Agreement Execution:	August 22, 2012 to Sept 14, 2012
	Notice to Proceed:	Sept 17, 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

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

PROJECT SCHEDULE

ELMWOOD AVE BRIDGE PM PROJECT
PIN 4755.32 / City of Rochester, Monroe County
Project Tracking / Status Update

PHASE	BEGIN DATE	END DATE	COMPLETED	COMMENTS
Initial Project Proposal TIP / STIP Program	12/17/2011	12/17/2011	✓ ✓	
Preliminary Engineering (PHASE I-IV)				
State-Local Agreement	N/A	N/A	N/A	No Fed'l Aid for PE
Consultant Agreements	N/A	N/A	N/A	In-House Development
Survey / Mapping	N/A	N/A	N/A	Survey included in Phase V
Scoping	12/21/2011	12/28/2012	✓	PM Project - Element Specific
Dev'l of Design Alternatives	12/29/2011	1/5/2012	✓	
Utility / Agency Coordination	12/29/2011	2/10/2012	✓	Further follow-up in Phase V
NEPA/ SEQR Documentation	2/10/2012	2/24/2012	✓	Type II - CE/Programatic
Public Meetings / Public Hearings	N/A	N/A	N/A	Element Specific PM Project
Right-of-Way Incidentals	N/A	N/A	N/A	
Draft Design Report (IPP/FDR)	2/25/2012	3/14/2012	✓	
Final Design Report (IPP/FDR)	3/14/2012	3/30/2012	✓	Element Specific PM Project
Design Approval	3/30/2012			IPP /FDR Format
Final Engineering (PHASE V-VI)				
State-Local Agreement	4/13/2012	8/30/2012	N/A N/A	Action by August 2012 !!
Consultant Agreements	4/16/2012	5/26/2012		
City Council Action	8/21/2012			Council - August 21, 2012 !!
Utility / Agency Coordination	9/17/2012	10/26/2012		
Preliminary Engineering	9/17/2012	11/23/2012		
Public Meetings / Public Hearings	11/12/2012			
Preliminary Plans and Detailing	9/17/2012	12/7/2012		
Final Design	12/8/2012	2/15/2013		
Advanced Detail Plans	2/16/2012	7/19/2013		
Draft PS&E	7/20/2013	8/16/2013		
ROW Certification	N/A	N/A		Element Specific PM Project
ROW Acquisition Phases	N/A	N/A		Element Specific PM Project
Final PS&E	8/17/2013	10/7/2013		
Authorization to Bid	11/15/2013			
Utility Relocation Agreements				
Bid and Award (Letting)				
Advertisement	12/9/2013			Advertise Dec 9, 2013
Pre-Bid Meeting	12/16/2013			
Bid Opening	1/13/2014			
Legislative Action (Debt)	2/19/2014			Council - Feb 19, 2014 !!
M/WBE, DBE, PLA Agreements	1/13/2014	2/27/2014		
Contract Award	3/3/2014			
Construction Phase				
State-Local Agreement	12/9/2013	2/27/2014		
Consultant RPR Agreements	12/9/2013	2/27/2014		
Notice to Proceed	3/10/2014			
Pre-Construction Meeting	3/24/2014			

DRAFT SCOPE OF SERVICES

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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).....	<u>IN THIS CONTRACT</u>
Part V	Bidding and Construction Phase Services	<u>IN THIS CONTRACT</u>

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.

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

SCHEDULE B - TIME SCHEDULE

<u>DETAILED DESIGN PHASE</u>	<u>Days From Notice to Proceed (Beginning to End)</u>	<u>Total Days (per phase)</u>
Supplemental Survey & Mapping	0 to 30 days	30 days
Preliminary Design & Plans	31 to 90 days	60 days
Final Design	91 to 120 days	90 days
Final Plans, Specifications, & Estimate	121 to 170 days	210 days
Contract Documents	171 to 210 days	30 days
Bid and Award Phase	211 to 300 days	<u>90 days</u>
	Total Detailed Design (*)	510 days
Construction Phase	300 to 660 days	<u>360 days</u>
	Total Construction Phase	360 days

(*) While the schedule depicts 510 days allocated for the Detailed Design Phase, this time is based on the availability of construction funding and does not reflect the actual amount of work required for the project. It is the Consultant's responsibility to adequately staff and assign hours for the project in an acceptable and efficient manner. It is assumed that 510 days is not required for the actual work, so the Consultant shall plan accordingly and allow for "down time".

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.

APPENDIX B

Approved IPP/FDR

APPENDIX B

Approved IPP/FDR

PROJECT APPROVAL SHEET

(Pursuant to SAFETEA-LU Matrix)

<u>Milestones</u>	<u>Signatures</u>	<u>Dates</u>
A. IPP Approval:	The project cost and schedule are consistent with the Regional Capital Program. The IPP was signed by: See Appendix F for IPP signature _____ Regional Director, NYSDOT Region 4	_____
B. Recommendation for Scoping & Design Approval:	The project cost and schedule are consistent with the Regional Capital Program.	
Environmental Determination & Federal Aid Process Concurrence:	The NYSDOT on behalf of FHWA (based on the NEPA Checklist) concurs with the classification of this project as a NEPA Class II, Programmatic Categorical Exclusion as described in this document. _____ Dan Hallowell NYSDOT R4, Regional Planning & Program Manager	4/19/12
C. Recommendation for Scope, Design & Nonstandard Feature Approval:	Procedurally, 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. _____ John M. Papponetti, P.E. Associate Project Manager LaBella Associates, P.C.	3/8/12
D. Public Hearing Certification (23 USC 128):	A public hearing was not required. A public information meeting was not conducted.	
Nonstandard Feature Approval:	No nonstandard features have been identified, created, or retained.	
Scoping & Design Approval:	The required environmental determinations have been made and the preferred alternative for this project is ready for final design. _____ James McIntosh, P.E. City Engineer Department of Environmental Services	3/12/12

ELMWOOD BRIDGE
PAID 475532

LIST OF PREPARERS

Group Director Responsible for Production of the Design Approval Document:

John M. Papponetti, P.E., Associate | Project Manager, LaBella Associates, P.C.
Description of Work Performed by Firm: 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: 4755.32

PROJECT NAME: Elmwood Avenue Bridge Preventive Maintenance

MUNICIPALITY: City of Rochester

COUNTY: Monroe

ROUTE/SH #: NA

BIN: 4025890

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

PROJECT LENGTH: NA

FEDERAL AID SYSTEM: Non-NHS

FUNCTIONAL CLASS: Urban-Minor Arterial

EXISTING AADT: 25318 (from 2006 count)

TRUCKS (%): 5%

EXISTING CHARACTERISTICS OF CONCERN: The existing bridge deck is in fair condition. While the overall condition rating of the deck is 5, it exhibits a substantial amount of cracking and hairline fractures. A large percentage of deck repairs initiated 10 years ago are failing at the cold joint interface. Spalling, while localized to the expansion joints, is expanding and numerous deck patches are delaminating. The concrete wearing surface is worn, exposing aggregate from the concrete mix. Street lighting is located on the inside of the railing system and is subjected to impact damage by snow removal equipment and the general traveling public. Sections of bridge curb are separating from the sidewalk. Joint seals have failed allowing salt-laden runoff to leak onto the abutments, pier seats, and structural steel.

ELEMENT

BIN 4025890

MEASURE/INDICATOR

Condition Rating is 5.222; Sufficiency Rating is 53.0

- Approach Pavement: 4
- Wearing Surface: 5
- Deck: 5
- Curbs: 6
- Scuppers: 5
- Joints: 5
- Lighting: 4

Refer to Appendix D for copies of the 2010 NYSDOT Biennial Inspection Report.

PROJECT OBJECTIVE(S): This project will complete element specific bridge repairs to keep the City's critical infrastructure in good working order. The existing deck was built in 1986. The proposed repairs will extend the functional life of the structure approximately 20-25 years. This project also maintains and enhances accessibility to businesses and institutions, notably the University of Rochester (the region's largest employer), and is a emergency access route to the Strong Memorial Hospital. In addition, moving the bridge lighting system outside the bridge rail will increase safety for bicyclists and pedestrians. Dedicated bicycle lanes will also be evaluated for inclusion in the project.

PROJECT ELEMENT(S) TO BE ADDRESSED:

- | | |
|---|--|
| <input type="checkbox"/> Highway Element-Specific | <input type="checkbox"/> Operational Maintenance |
| <input checked="" type="checkbox"/> Bridge Element-Specific | <input type="checkbox"/> Where & When |
| <input type="checkbox"/> Other: | |

DESCRIPTION OF PROPOSED WORK: The work to be undertaken through this project is as follows:

- Scarify existing bridge deck
- Concrete deck repairs
- Place Concrete deck overlay
- Replace sections of failed bridge curb
- Replace existing joint systems
- Relocate existing bridge lighting system to outside face of bridge railing
- Bridge washing & Scupper flushing

Bridge Washing Clarification:

The Genesee River is a Class B stream at the Elmwood Avenue bridge location. A Class B stream is best used for swimming and other contact recreation, but not for drinking water. The City performs bridge washing operations on all City owned bridges over the Genesee River on a yearly basis. This effort has been coordinated with NYSDEC in the past and as long as the Environmental Waterway Protection specification is enforced, the only requirement received from DEC is that bridge washing should be performed during times of high flow.

Approach Slab Deterioration Repair Clarification:

The existing broken and spalled concrete located at the end approach slab will be repair under the joint system replacement task. The deterioration is within the concrete header of the joint system.

Pier 4 Stem Deterioration Repair Clarification:

This repair is being addressed through the City of Rochester's Bridge Maintenance Program and will not be included in the scope of work for this project.

Deck Wearing Surface Repair Clarification:

Based on a visual inspection of the deck wearing surface at the Elmwood Avenue Bridge, we disagree with the wearing surface rating (5) given in the most recent bridge inspection report. See Appendix D for photo documentation. This element should have a rating of 4. When rating a concrete wearing surface a 5 indicates the beginning of a spalling problem with no more than two or three isolated, moderate spalls or delaminations. There may be only scattered tight cracks and moderate surface wear with good riding quality. A rating of 3 indicates a more serious spalling and delamination problem with about 25% of one lane affected and poor riding quality. A wearing surface with no cracks or spalls but with well worn and polished aggregate could also be rated a 3. Based on our observations, we feel the wearing surface rating should be a 4. There is not a serious spalling or delamination problem, but the deck is scattered with cracks and the riding quality is fair. The City attempted to seal the deck 2 years ago and it took approximately 12 hours for the sealer to penetrate the deck and dry. A good portion of the deck is showing well worn and polished aggregate which we are attributing to the issue with the prolonged sealer penetration and drying. The project has been scoped based on a worst case scenario fix (e.g. scarification and overlay). Other alternative wearing surface treatments will be evaluated during preliminary design based on results of deck evaluation per the NYSDOT Bridge Deck Evaluation Manual.

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

FUNDING SOURCE: ☐ 100% State ☒ Federal

SEQRA AND NEPA CLASSIFICATION:

SEQRA Type: ☐ Exempt ☒ Type II

NEPA Class: ☒ Class II - Automatic CE
 ☐ Class II - Programmatic CE
 ☐ N/A – Project is 100% State funded

The following Checklist(s) are attached in Appendix E:

- ☒ NEPA Checklist
- ☒ Environmental Checklist
- ☒ Section 106 Project Submittal Package

ENVIRONMENTAL DOCUMENTATION:

Archeological Resources – The project is located within an Archeological Sensitive Area. However, the project will have no effect on these resources due to the fact that the project only consists of element specific repairs to previously disturbed areas. A Section 106 Project Submittal Package was sent to the NYSDOT Region 4 Cultural Resource Officer for a determination of effect. NYSDOT has determined that the project activities have no potential to cause effects on historic properties in accordance with 36 CFR 800.3(a)(1) therefore, there are no further obligations for compliance with Section 106 of the National Historic Preservation Act.

Floodplains – The project is located within a FEMA designated 100-yr floodplain. The project will have no effect on the existing floodplain since no modifications are being undertaken to the existing hydraulic characteristics of the bridge.

Permitting – Typically for element specific repair projects that does not involve in-stream work, NYSDEC and USACOE has no jurisdiction. A letter seeking concurrence to this assumption will be sent during the preliminary design phase of the project.

See section "Description of Proposed Work" – Bridge Washing Clarification for additional NYSDEC coordination requirements.

Endangered or Threatened Species – The Bog Turtle is a threatened species known to be found in the Town of Riga (outside of project limits). The American Burying Beetle is an endangered animal known to be found in the Rochester area at one time. Based on available NYSDEC documents, the American Beetle is known to exist in only two locations, Block Island, RI and Eastern Oklahoma. This project does not propose any activities that would impose a negative impact on endangered or threatened species.

Refer to Appendix E for supplemental documentation for the above environmental concerns.

DESIGN STANDARDS:

Guidance on establishing standards for this Bridge Preventive Maintenance Project will be obtained from the NYSDOT Bridge Manual and Highway Design Manual.

Table A Critical Design Elements for Elmwood Avenue Bridge			
PIN:	4755.32	NHS (Y/N):	No
Route No. & Name:	Elmwood Avenue	Functional Classification:	Minor Arterial
Project Type:	Preventive Maintenance	Design Classification:	Urban-Minor Arterial (HDM Exhibit 2-1)
% Trucks:	5	Terrain:	Level
ADT:	25318	Truck Access/Qualifying Hwy.	Neither
Element	Standard	Existing Condition	Proposed Condition
1 Design Speed ¹	30 mph IIDM Section 2.7.4.1.A	30 mph (Posted)	30 mph
2 Lane Width	9 ft minimum Bridge Manual (BM) Section 2.3.1 Table 2-1 and App. 2A, Tables N & X or IIDM Section 2.7.4.1.B, Exhibit 2-7	4 lanes @ 11 ft 1 lane @ 10 ft	4 lanes @ 11 ft 1 lane @ 10 ft
3 Shoulder Width	2 ft minimum, BM Section 2.3.1 Table 2-1, and App. 2A Tables N & X or IIDM Section 2.7.4.1.C, Exhibit 2-7	2 ft	2 ft
4 Bridge Roadway Width	2(9) + 2(2) = 22 ft Min. BM Section 2.3.1 Table 2-1 and App. 2A Tables N & X	58 ft	58 ft
5 Maximum Grade	7% IIDM Section 2.7.4.1.E, Exhibit 2-7	2% max.	2% max.
6 Horizontal Curvature	231 ft (e = 6.0%) IIDM Section 2.7.4.1.F, Exhibit 2-7	NA	NA
7 Superelevation	6% Maximum IIDM Section 2.7.4.1.G	NA	NA
8 Stopping Sight Distance	200 ft Minimum IIDM Section 2.7.4.1.H, Exhibit 2-7	200 ft min.	200 ft min.
9 Horizontal Clearance	6 ft without barrier; with barrier use greater of shoulder width or 4 ft, except on bridges where the NYSDOT BM Section 2 allows less IIDM Section 2.7.4.1.I	2 ft	2 ft
10 Vertical Clearance	14 ft Minimum, Highway 14'-6" Desirable, Highway 16'-6" Minimum for Thru-Truss BM Section 2.4.1 Table 2-2	NA	NA
11 Pavement Cross Slope	1.5% Min. to 2% Max. IIDM Section 2.7.4.1.K	2%	2%
12 Rollover	4% between lanes; 8% at EOT; IIDM Section 2.7.4.1.L	4%	4%
13 Structural Capacity	Bridge Rehabilitation: IIS 20 Live Load HDM Section 2.7.4.1.M & BM Section 2.6.1	HS 20	HS 20
14 Level of Service	NA	NA	NA
15 Control of Access	NA	NA	NA
16 Pedestrian Accommodations	Complies with HDM Chapter 18	NA	NA
17 Median Width	NA	NA	NA
(1) The design speed of 30 mph was chosen based upon the posted speed limit, type of terrain, volume, and road classification.			
(2) **Denotes non-standard feature.			

Non-Standard/Non-Conforming Features – There are no nonstandard or nonconforming features within the project limits.

PLANS:

See Appendix B for applicable plans, elevations, and sections.

MPO INVOLVEMENT: ☐ No ☒ Yes
TIP Name: Elmwood Avenue Bridge Preventive Maintenance
TIP No.: B11-21-MN1

TIP AMENDMENT REQUIRED: ☒ No ☐ Yes Needed by:

STIP STATUS:☒ On STIP☐ Not on STIP**NOTES ON SPECIAL CIRCUMSTANCES: NA****SPECIAL TECHNICAL ACTIVITIES REQUIRED: NA****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:**DESIRED LETTING:** November 2013**SCHEDULE ISSUES:**☐
☐
☐Public Meeting
Permits
Consultant(s) for:☐
☐
☐4(f)/106 FHWA sign-off
Other - Identify
No Consultant Needed

Project Phase	Activity Duration	Estimated Cost	Fund Source	Obligation Date
Design	12 months	\$89,000	HBP (80%) Local (20%)	FFY 2012
Construction	6 months	\$943,000	HBP (80%) Local (20%)	FFY 2014
Construction Inspection	6 months	\$94,000	HBP (80%) Local (20%)	FFY 2014
TOTAL		\$1,126,000		

BASIS OF ESTIMATE: Design Phase Estimates are based on the Consultant's past experience with similar types of projects. Construction Estimate is based on past bid results for similar construction tasks.

PROGRAM DISPOSITION: Scheduled for letting in November 2013**PROJECT CATEGORY:**☒

Maintenance

STATEWIDE SIGNIFICANCE:☒

No

ASSET MANAGEMENT (OPTIONAL):☐

Applies

☒

Not Applicable

ROW:

No ROW is required to complete the scope of work for this project. The ROW Clearance Certificate will be attached to the PS&E transmittal memo.

PUBLIC FRIENDLY DESCRIPTION OF PROJECT:

The project consists of completing element specific repairs to the Elmwood Avenue Bridge over Genesee River.

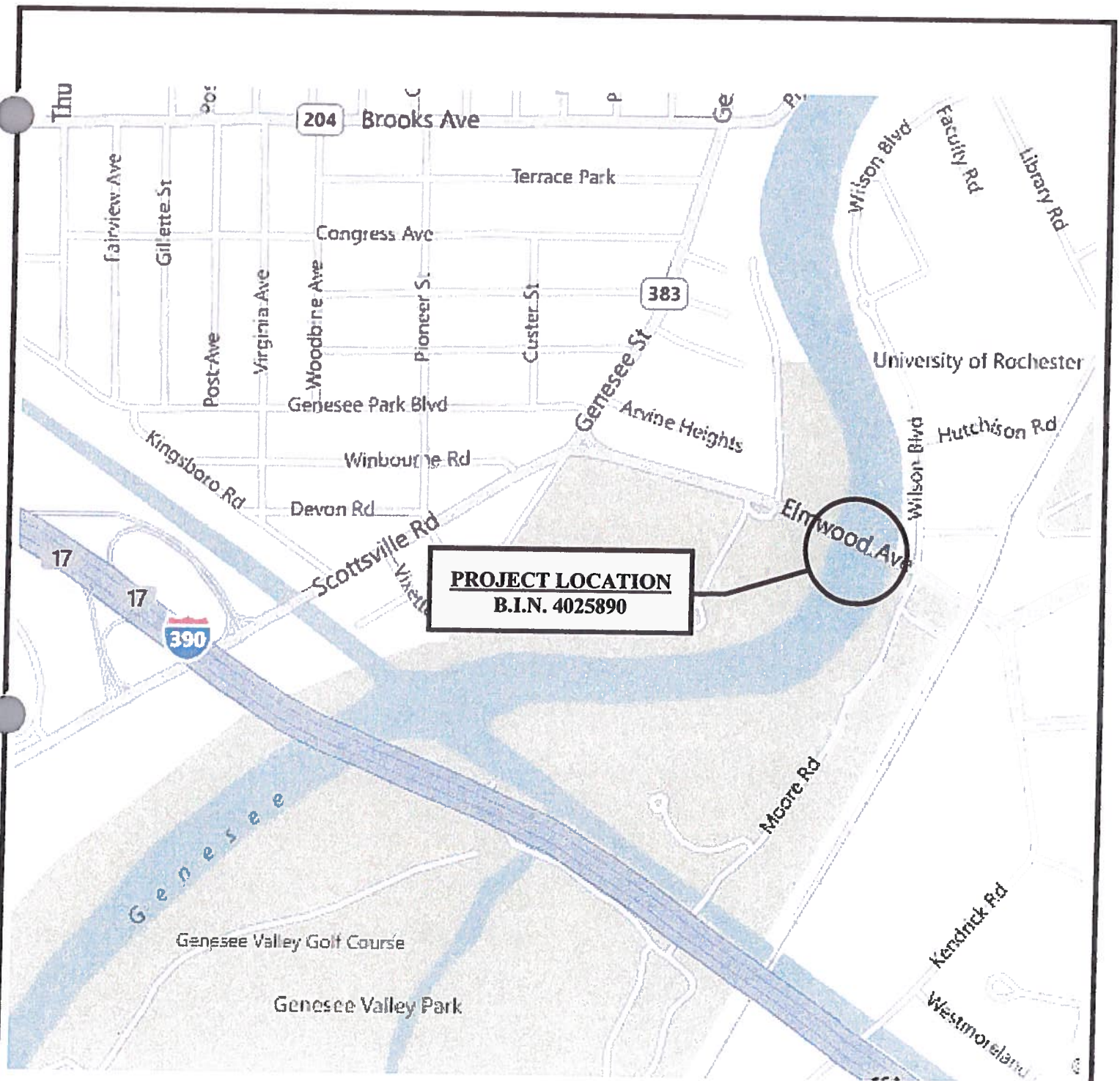
PROJECT MANAGER/JOB MANAGER: Thomas Hack, P.E.
FUNCTIONAL AREA(S): City of Rochester Department of Environmental Services
PHONE(S): 585-428-6852

ORIGINAL IPP PREPARED BY: Edwin Welsh
NYSDOT – Region 4

DATE: February 23, 2011

APPENDIX A

Location Maps



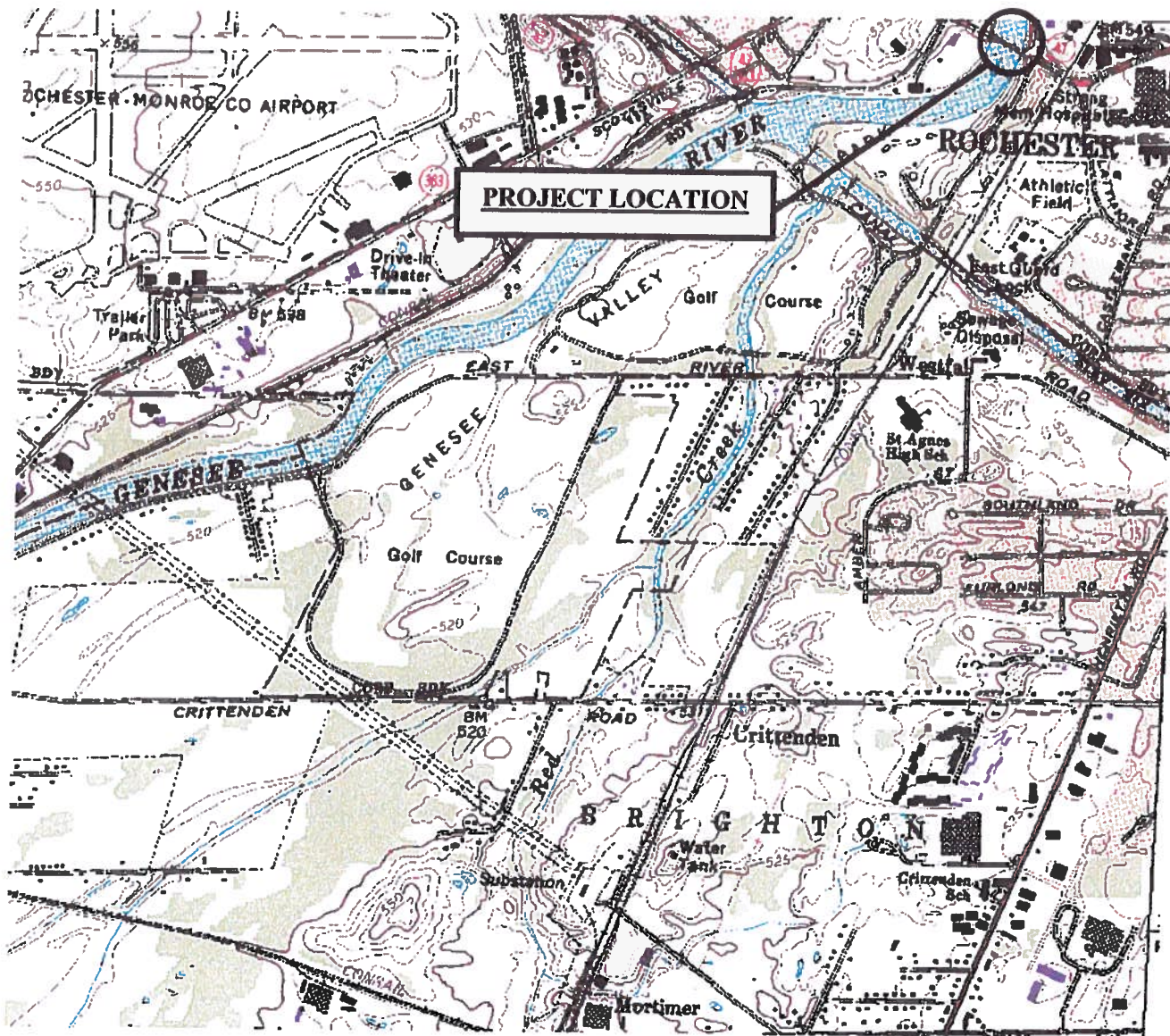
PROJECT LOCATION MAP

**Elmwood Avenue Bridge
over Genesee River
(BIN 4025890)**

**City of Rochester
Monroe County, New York**

ABELLA
Associates, P.C.

PROJECT NO.: 207650.04



USGS LOCATION MAP

**Elmwood Avenue Bridge over Genesee River
(BIN 4025890)**

USGS Quadrangle Map: West Henrietta

**City of Rochester
Monroe County, New York**

ABELLA
Associates, P.C.

PROJECT NO.: 207650.04

APPENDIX B

Plan, Elevation & Sections

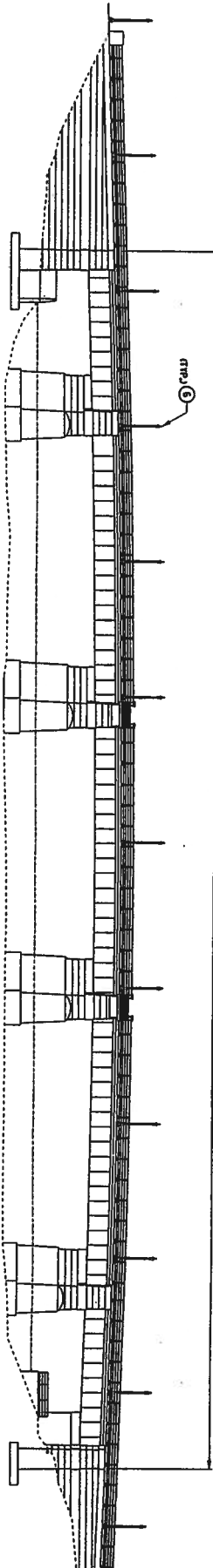


SCALE: 1" = 1'-0"



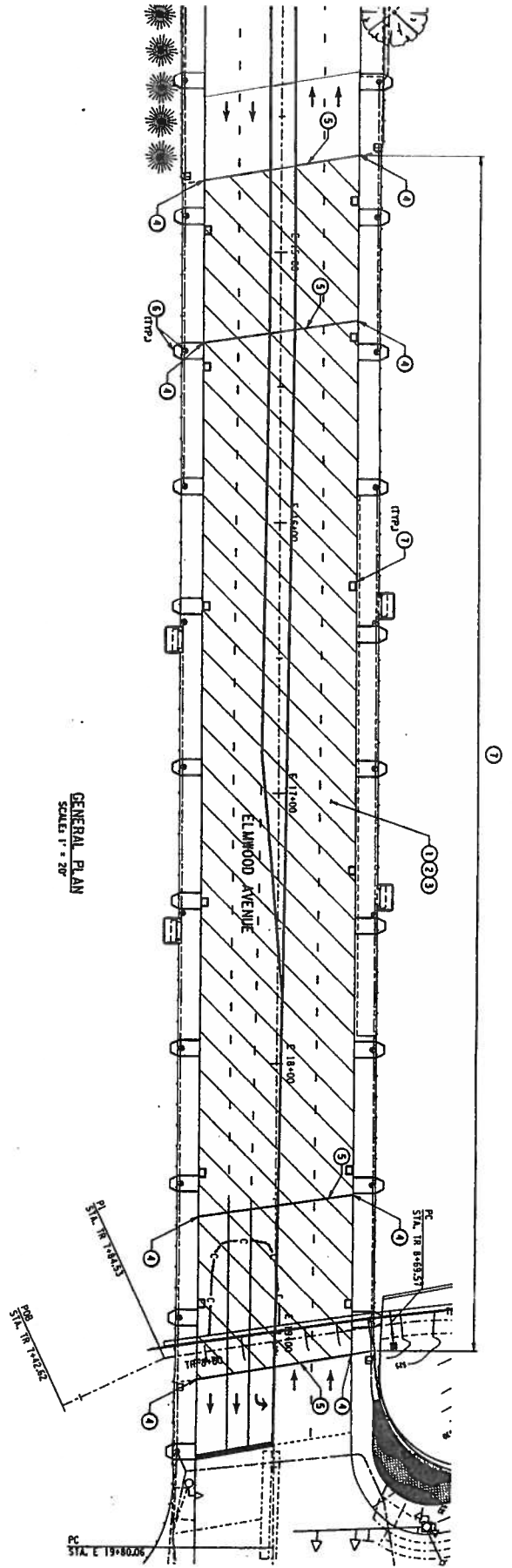
SCALE: $\frac{1}{4}'' = 1'-0''$

<div style="border: 1px solid black; padding: 5px; text-align: center;"> S-2 <small>STATE OF NY</small> </div>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> 207/650.04 <small>ALBANY, NY 12242</small> </div>	<div style="border: 1px solid black; padding: 5px;"> <small>PROJECT NO.</small> ELMWOOD AVENUE TYPICAL SECTIONS </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <small>OFFICE</small> IPP/FDR </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <small>DATE</small> FEBRUARY 2012 </div>	<div style="border: 1px solid black; padding: 5px;"> <small>DESIGNED BY</small> <small>CHECKED BY</small> <small>APPROVED BY</small> </div>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <small>CITY/STATE</small> ELMWOOD AVENUE BRIDGE PREVENTATIVE MAINTENANCE </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;"> CITY OF ROCHESTER <small>DEPARTMENT OF ENVIRONMENTAL SERVICES</small> </div>	<div style="border: 1px solid black; padding: 5px;"> <small>300 STATE STREET ROCHESTER, NY 14614 P: (563) 454-0118 F: (563) 464-3005 www.labella.com</small> </div>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> LABELLA <small>Associates, P.C.</small> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;">NO</th> <th style="width: 60%;">REVISION</th> <th style="width: 35%;">DATE</th> </tr> <tr><td>1</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td></tr> </table>	NO	REVISION	DATE	1			2			3			4			5			6		
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ELEVATION
SCALE 1" = 20"

00007



GENERAL PLAN
SCALE 1" = 20"

- DESCRIPTION OF WORK:**
- ① SCARP EXISTING BRIDGE DECK
 - ② CONCRETE DECK REPAIRS (AS NECESSARY)
 - ③ PLACE CONCRETE DECK OVERLAY
 - ④ REPLACE BRIDGE CURB AT JOINTS
 - ⑤ REPLACE EXISTING JOINT SYSTEMS
 - ⑥ RELOCATE EXISTING BRIDGE LIGHTING SYSTEM TO OUTSIDE FACE OF BRIDGE RAILING
 - ⑦ BRIDGE WASHING & SCRAPER FLUSHING

207650.04
S-1

ELMWOOD AVENUE
PLAN AND ELEVATION
IPP/FDR
FEBRUARY 2012

ELMWOOD AVENUE BRIDGE
PREVENTATIVE
MAINTENANCE
CITY OF ROCHESTER
DEPARTMENT OF ENVIRONMENTAL SERVICES

LABELIA
Associates, P.C.
300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-6110
F: (585) 454-3000
www.labelia.com

NO.	REVISION	BY	DATE
1			
2			
3			
4			
5			
6			

APPENDIX C

Construction Estimate Backup

**ELMWOOD AVENUE BRIDGE OVER GENESEE RIVER
PREVENTIVE BRIDGE MAINTENANCE
CITY OF ROCHESTER
BIN 4025890**

**LABELLA ASSOCIATES
300 STATE STREET
ROCHESTER, NY 14614**

Engineer's Estimate of Probable Cost

Date: 2/13/2012

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	UNIT PRICE	EST. QUANTITY	TOTAL COST
557.30	SIDEWALKS AND SAFETY WALKS	SY	\$100.00	150	\$15,000
558.02	LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE	SY	\$15.00	3000	\$45,000
559.16960118	PROTECTIVE SEALING OF STRUCTURAL CONCRETE	SF	\$1.00	11500	\$11,500
559.18960118	PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS & BRIDGE DECK OVERLAYS	SF	\$1.00	28500	\$28,500
567.60	ARMORLESS BRIDGE JOINT SYSTEM	FT	\$225.00	310	\$69,750
579.01	STRUCTURAL SLAB SCARIFICATION	SF	\$2.50	27000	\$67,500
580.01	REMOVAL OF STRUCTURAL CONCRETE	CY	\$1,500.00	20	\$30,000
582.06	REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE	SF	\$100.00	3500	\$350,000
584.3103	OVERLAY CONCRETE, CLASS DP - TYPE 3 FRICTION	SY	\$15.00	3000	\$45,000
609.0302	GRANITE BRIDGE CURB - TYPE F1	FT	\$40.00	80	\$3,200
609.15	RESETTING EXISTING CURB	FT	\$35.00	200	\$7,000
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	\$30,000.00	1	\$30,000
625.01	SURVEY AND STAKEOUT	LS	\$7,500.00	1	\$7,500
641.3300052	MAINTENANCE CLEANING AND WASHING OF BRIDGES, NO LEAD BASED PAINT	EA	\$15,000.00	1	\$15,000
670.2606	RIGID PLASTIC CONDUIT	FT	\$5.00	800	\$4,000
670.7002	SINGLE CONDUCTOR CABLE NO. 12 GAGE	FT	\$1.50	2000	\$3,000
670.7004	SINGLE CONDUCTOR CABLE NO. 6 GAGE	FT	\$2.00	1000	\$2,000
670.90	RELOCATE LAMPPOST ASSEMBLY	EA	\$1,000.00	20	\$20,000
685.11	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES (20 MILS)	FT	\$0.50	1000	\$500
685.12	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES (20 MILS)	FT	\$0.50	2000	\$1,000
699.040001	MOBILIZATION	LS	\$30,218.00	1	\$30,218

TOTAL ESTIMATED BASE CONSTRUCTION COST \$785,668
20% CONTINGENCY \$157,134
TOTAL ESTIMATED CONSTRUCTION COST \$943,000

APPENDIX D

Inspection Reports

Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

Bridge Ratings

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

Inspection Agency: 13 - Consultant Type of Inspection: 1 - BIENNIAL
GTMS: 403 -- Steel Continuous - Girder and Floorbeam System
POSTINGS: See Gen Rec Page 1 for Postings at time of inspection.
Further Investigation Needed: No
State Highway Number: 000000 Milepoint: 0.31 AADT/Yr: 23212 / 2002
Orientation: 4 - Southeast Political Unit: 2048 - City of ROCHESTER Year Built: 1934
Total Spans: 5 Ramp Bridge Attached To Span: NA BIN: NA
General Recommendation: 5 Computed Condition Rating: 5.222

Abutment Ratings:

	Beg Abut	End Abut
Joint with Deck	6	6
Bearings, Bolts, Pads	7	7
Seats and Pedestals	7	7
Backwall	5	5
Stem (Breastwall)	5	5
Erosion or Scour	7	6
Footings	9	9
Piles	8	8
Recommendation	5	5

Wingwall Ratings:

	Beg Abut	End Abut
Walls	5	5
Footings	9	9
Erosion or Scour	7	7
Piles	8	8

Channel Ratings:

	Channel
Stream Alignment	6
Erosion and Scour	6
Waterway Opening	5
Bank Protection	8

Approach Ratings:

	Approaches
Drainage	7
Embankment	6
Settlement	4
Erosion	6
Pavement	4
Guide Railing	6

Number of Flags Issued:

RED: 0 Yellow: 0 Safety: 1

Vulnerability Reviews Recommended: 1=Yes, 2=No, 3=NA, X=NotActive

Hydraulic: 2	Overload: X	Steel: X
Collision: X	Concrete: X	Seismic: X

Inspector's Signature: **CheckValue: 1,764,636,830** **Date: 8/16/2010**

Andrew P. Thompson, PE () **(Inspector ID:4110056)**

Signed copy of this inspection report is available
in the appropriate NYSDOT Regional Office

Reviewed By: **Date: 9/8/2010**

Michael J. Peters, PE () **(QC ID:4110051)**

Signed copy of this inspection report is available
in the appropriate NYSDOT Regional Office

Inspection Date: 8/16/2010**RC: 43 BIN: 4025890****Span Ratings****Carried: ELMWOOD AVENUE****Crossed: GENESEE RIVER****CheckValue: 1,764,636,830****Deck Element Ratings:**

	001	002	003	004	005
Wearing Surface	5	5	5	5	5
Curbs	6	6	6	6	6
Sidewalks, Fascias	5	5	5	5	5
Railings, Parapets	6	6	6	6	6
Scuppers	5	4	5	5	5
Gratings	8	8	8	8	8
Median	8	8	8	8	8
Mono Deck Surface	5	5	5	5	5

Superstructure Ratings:

	001	002	003	004	005
Structural Deck	5	5	5	5	5
Primary Members	5	5	5	5	5
Secondary Members	6	6	6	6	6
Paint	5	6	5	5	5
Joints	6	8	8	5	8
Recommendation	5	5	5	5	5

Pier Ratings:

	001	002	003	004	005
Bearings, Bolts, Pads	7	7	7	7	8
Pedestals	7	7	7	7	8
Top of Cap or Beam	6	6	6	6	8
Stem Solid Pier	5	5	5	4	8
Cap Beam	8	8	8	8	8
Pier Columns	8	8	8	8	8
Footings	9	9	5	5	8
Erosion or Scour	6	6	5	5	8
Piles	8	8	8	8	8
Recommendation	5	5	5	5	8

Utility Ratings:

	001	002	003	004	005
Lighting	4	6	6	4	4
Sign Structure	8	8	8	8	8
Utilities and Support	4	4	5	5	4

Field Notes:

<u>Field Date</u>	<u>Arrival</u>	<u>Departure</u>	<u>Temp (C)</u>	<u>Temp (F)</u>	<u>Weather Conditions</u>
8/16/2010	7:30:00 AM	4:30:00 PM		75	sunny

Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

Inspection Notes

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

Note ID: 411040258900004

Approaches: Settlement -- Rated 4, Was 6

Referenced Photos: "1"

There is 1 3/8 inch settlement of the end right approach sidewalk at the interface with the bridge deck sidewalk at the joint. The remainder of this item would rate 5.

Safety Flag No. 41100029 was issued for the end right approach sidewalk settlement condition.

Note ID: 411040258900003

Approaches: Pavement -- Rated 4, Was 5

Referenced Photos: "2"

The begin concrete approach slab left of the centerline has a 3 ft long by 1 ft wide section of broken and spalled concrete with 2 joint anchor lugs exposed along the interface of the approach slab with the joint. The remainder of this item would rate "5".

Note ID: 411040258900000

Span 001 -- Deck Elements: Scuppers -- Rated 5, Was 2

Span 002 -- Deck Elements: Scuppers -- Rated 4, Was 3

Span 003 -- Deck Elements: Scuppers -- Rated 5, Was 2

Span 004 -- Deck Elements: Scuppers -- Rated 5, Was 2

Span 005 -- Deck Elements: Scuppers -- Rated 5, Was 2

Referenced Photos: "5"

The Span 2 right side scupper is partially clogged with road debris and rates 4. All of the other scuppers on the bridge have been cleaned and are functioning and rate 5.

Note ID: 411040258900005

Span 001 -- Utilities: Lighting -- Rated 4, Was 4

Span 003 -- Utilities: Lighting -- Rated 6, Was 4

Span 004 -- Utilities: Lighting -- Rated 4, Was 4

Span 005 -- Utilities: Lighting -- Rated 4, Was 6

Referenced Photos: "3", "8"

Five light poles on the bridge have the decorative base covering broken as follows:

span 1 - 1 pole left side;

span 4 - 2 poles right side; and

span 5 - 1 pole on each left & right sides.

The pole structural portion is in good shape.

The previously broken pole bases have been repaired and the remaining poles are all rated "5" or higher.

Note ID: 411040258900002

Span 001 -- Utilities: Utilities and Support -- Rated 4, Was 4

Span 002 -- Utilities: Utilities and Support -- Rated 4, Was 4

Span 004 -- Utilities: Utilities and Support -- Rated 5, Was 4

Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

Inspection Notes

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

Note ID: 411040258900002 - continued

Span 005 -- Utilities: Utilities and Support -- Rated 4, Was 4

Referenced Photos: "4", "6"

Span 1

The bottom left conduit in bay 1 is missing protective coating at the begin abutment (Photo 4).

Rollers supporting the 18" natural gas pipeline casing are missing from supports 1, 2 & 3.

Remainder of utilities are in 5-condition.

Span 2

Rollers supporting the 18" natural gas pipeline casing are missing from supports 4, 5 & 6 (Photo 6).

Remainder of utilities are in 5-condition.

Span 4

The missing supports noted in the previous inspection appear to have been repaired or were in error. Rating changed from 4 to 5.

Span 5

Rollers supporting the 18" natural gas pipeline casing are missing from the last 3 supports.

Remainder of utilities are in 5-condition.

Note ID: 411040258900008

Span 004 -- Pier: Stem Solid Pier -- Rated 4, Was 5

Referenced Photos: "7"

There is a 10 ft long by 2 1/2 ft max height by 8 inch max depth spall near left end of the begin face at the water level. Also, there is a 2 ft long by 1 ft max height by 4 inch max depth spall near left end of the end face at the water level.

The remainder of this item would rate "5".

Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

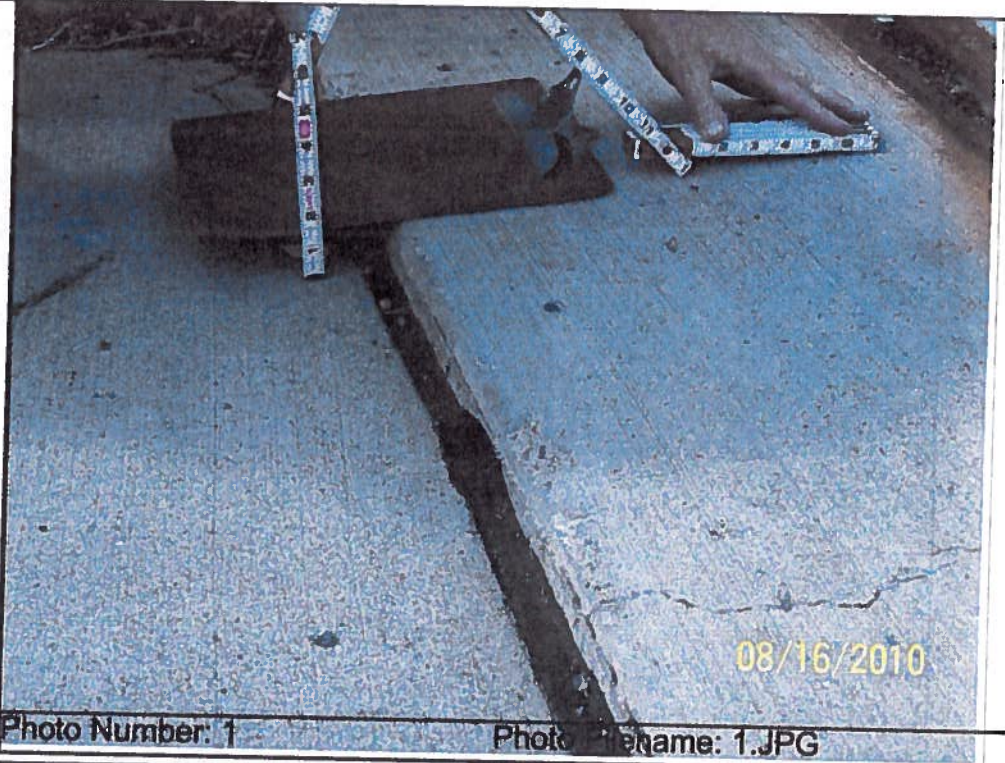
Inspection Photos in Photo Number Order

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

End Right Approach
Sidewalk



Begin Approach
Pavement



Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

Inspection Photos in Photo Number Order

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

Span 5 Right Side Light Pole



Photo Number: 3

Photo Filename: 3.JPG

Utility Span 1 Bay 1



Photo Number: 4

Photo Filename: 4.JPG

Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

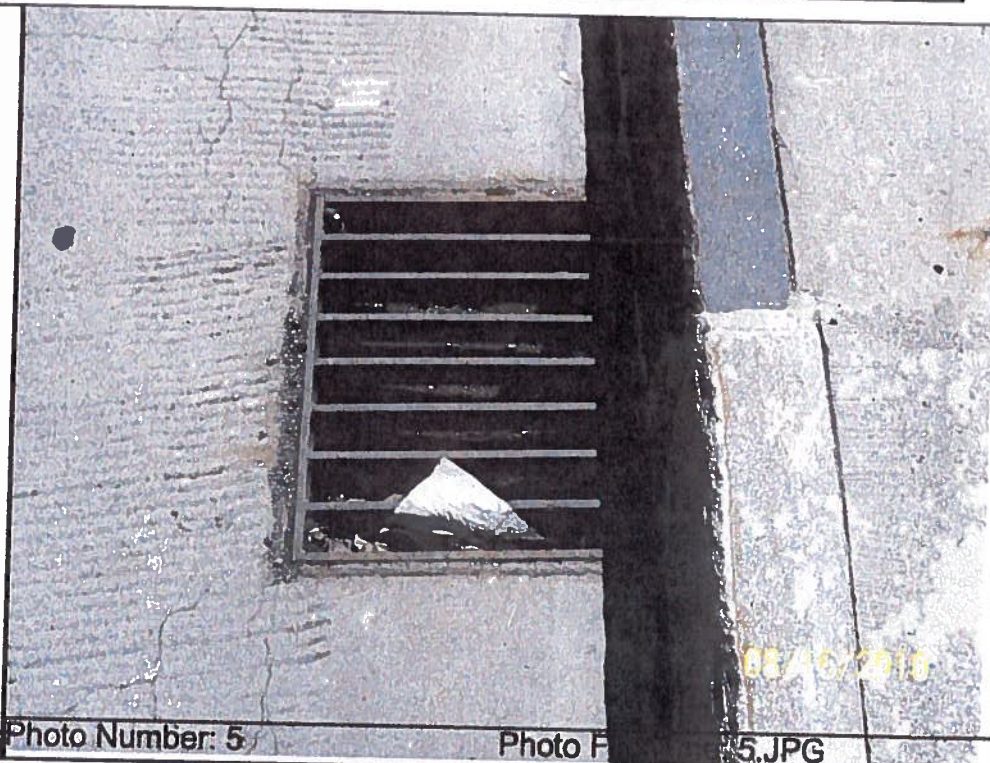
Inspection Photos in Photo Number Order

Carried: ELMWOOD AVENUE

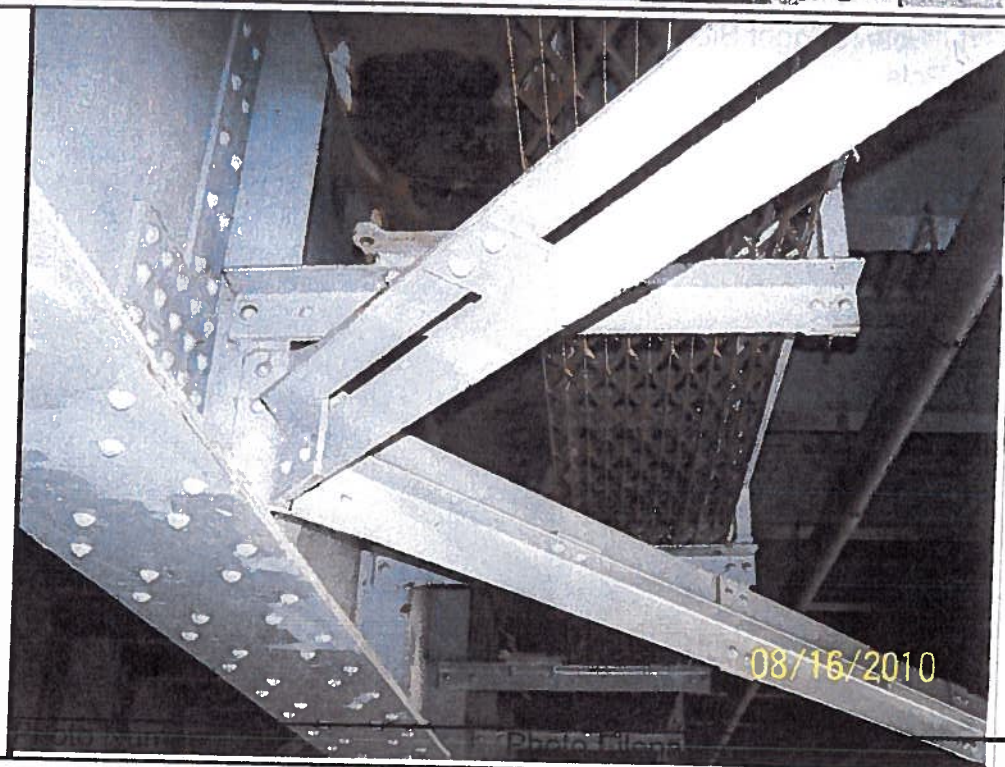
Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

**Span 2 Right Side
Scupper**



**Span 2 Bay 4 Utility
(Typ. Spans 1 and 5)**



Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

Inspection Photos in Photo Number Order

Carried: ELMWOOD AVENUE

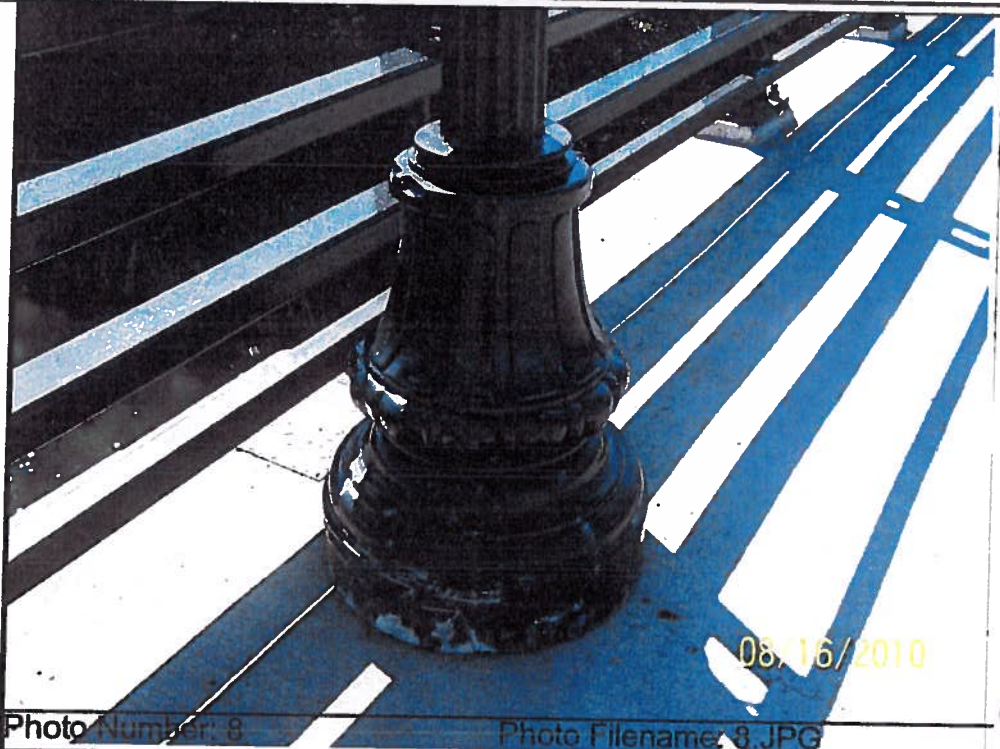
Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

**Pier 4 Left Side Begin
Face**



**Span 3 Right Side Light
Pole**



Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

Inspection Sketches in Sketch SysID Order

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

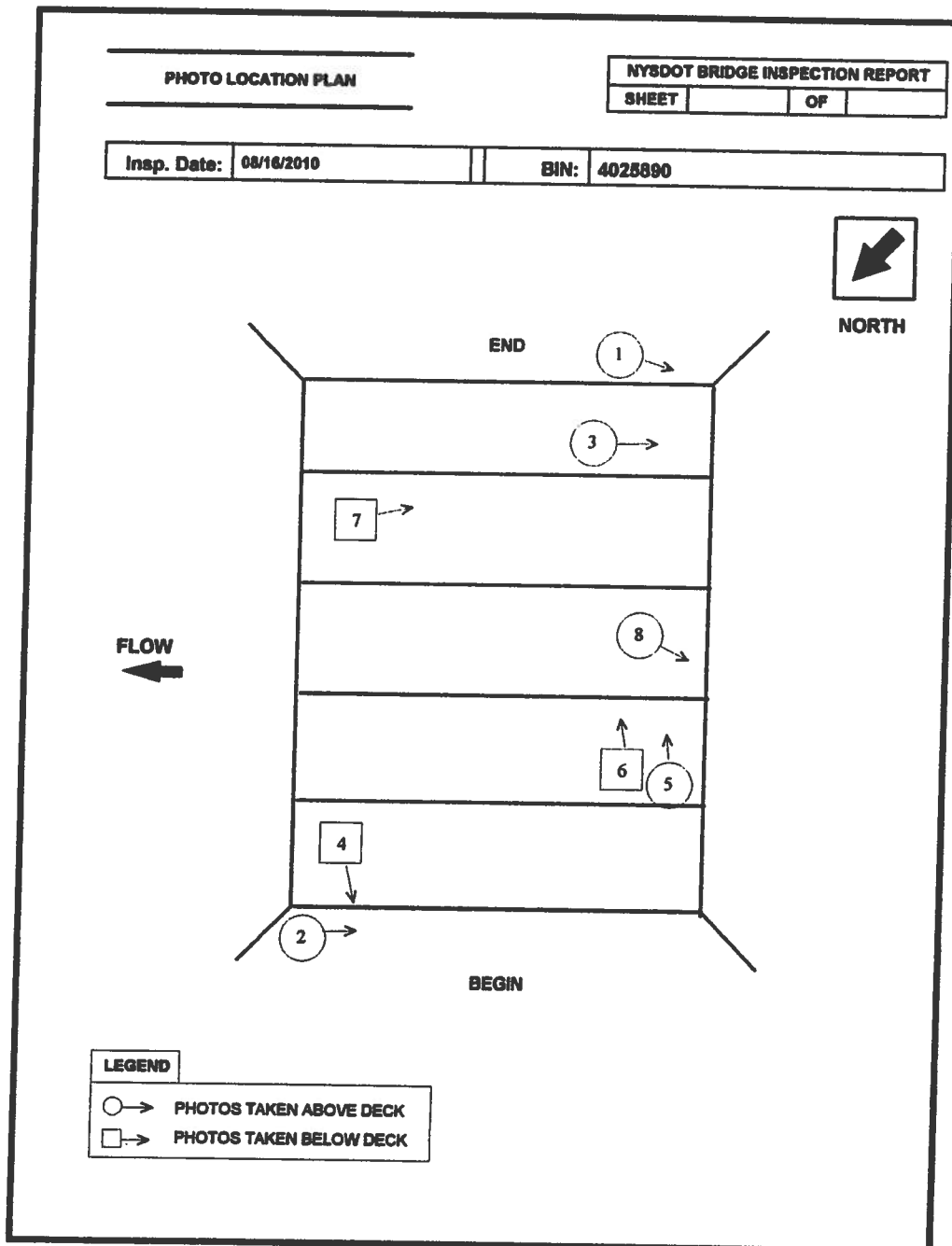
Sketch ID: 411040258900000

Sketch Filename: Photo_plan.10

General Sketch for Bridge

Referenced Photos:

Photo Location Plan



Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

Gen. Rec., Postings, Federal Ratings, etc.

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

Overall Condition:

GENERAL RECOMMENDATION: 5

Computed Condition Rating: 5.222

Problems Requiring Action:

NO Further Investigation Needed

SAFETY Flag(s) Issued

POSTINGS:

Inspector Confirmed existing Posting data as correct.
Posted Vertical Clearance ON the bridge is: No Posting
Posted Vertical Clearance UNDER the bridge is: No Posting
No Load Restriction is posted on this bridge

Overloads Observed:

NO Overload Vehicles were observed on this bridge

FEDERAL RATINGS:

NBI Deck Condition: 5
NBI Superstruct Condition: 6
NBI Substruct Condition: 5
NBI Channel Condition: 8
NBI Culvert Condition: N

Diving Inspection Needs:

Diving Inspection Required? YES

Date of Last Diving Inspection: 2007

Inventory Problems:

Inventory Problems Exist? No

Miscellaneous:

Time Required to Inspect Bridge: 9 Hours

Lane Closure Needs: None Required

No Railroad Flagging Required

No Pedestrian Fence

No Snow Fence

The BIN Plate is MISSING

Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

Gen. Rec., Postings, Federal Ratings, etc.

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

Special Emphasis Inspection Required:

Non-Redundant/Fracture Critical Members - No
Pin and Hangers - No
Fatigue-Prone Welds - Yes
Non-Categorized Fatigue-Prone Details - No
Other (Specified in Text) - No

Special Emphasis Details:

Fatigue prone welds exist in two locations at utility support plates. The knee braces with the fatigue prone weld connections to the floorbeams have been removed. The welds were ground during the rehabilitation with cracks found. The cracks were drilled. Due to the presence of cracks, these locations should be monitored.

General Notes To the Next Inspector:

Improvements Observed:

Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

Review Progress and Personnel Present at Inspection

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

Inspection Submission Status:

Submitted to QC Engineer on: 9/6/2010
QC Submission Number: 10401601

QC Review Completed: 9/8/2010
QC Engineer: Michael J. Peters

Submitted to Liaison Engineer on: 9/13/2010
Liaison Submission Number: 04017

Liaison Review Completed: 10/29/2010
Liaison Engineer: Ikram A. Mohl

Submitted for BIIS Processing on: 10/29/2010
BIIS Submission Number: .kp1

Current Status: Keypunched, Sent to BIIS
Check Value: 1,764,636,830

Personnel Present During Inspection:

Andrew P. Thompson	- Team Leader
George Stam	- Assistant Team Leader
Jessica Commisso	-
Al Stolsfus	-

Discovery Date: 8/16/2010

RC: 43 BIN: 4025890

Safety Flag 41100029

Carried: ELMWOOD AVENUE Crossed: GENESEE RIVER

Prompt Interim Action Recommended: No

Inspector: Thompson, Andrew P.
Flag Number: 41100029

Date Discovered: 8/16/2010
Supersedes Flag Number: _____

Bridge Description:

BIN: 4025890 Carried: ELMWOOD AVENUE Crossed: GENESEE RIVER

Region: 4 - Rochester County: 3 - Monroe
Political Unit: 2048 - City of ROCHESTER
Residency Code: - N/A
Primary Owner: 42 - City
Secondary Owner: 99 - One Agency - Listed in first subfield
Primary Maintenance: 42 - City
Secondary Maintenance: 99 - One Agency - Listed in first subfield
Year Built: 1934 Not Posted For Load

Number of Spans by Type:	Num	Type	Description
	005 - 114	- Steel -	Plate Girder-Floorbeam System, Deck

Description of Flagged Condition:

There is 1 3/8 inch max settlement of the end right approach sidewalk at the interface of the approach sidewalk and the bridge sidewalk at the joint with deck.

The bridge is oriented Southeast.

1 Photos/Sketches Attached

Verbal Notifications: (For RED Flags and Safety Flags with PIA only)

To: _____ of Regional Office on _____ at _____

Signature: (a signed copy of this report will be placed in the BIN folder)

Flagged Bridge Report Completed By: Thompson, Andrew P. on 8/16/2010

Flagged Bridge Report Signed By: _____ on _____
Thompson, Andrew P.

(This PDF Report Created: 11/1/2010 12:36:35 PM)

Discovery Date: 8/16/2010

RC: 43 BIN: 4025890

Safety Flag 41100029 Attachment

Carried: ELMWOOD AVENUE Crossed: GENESEE RIVER

1.JPG - Attached to Safety Flag 41100029

End Right Approach Sidewalk



Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

Inspection Access Requirements

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

Equipment Required for Inspection

Access Requirement Changes WERE Noted During This Inspection.
This Listing is from the Inspection.

ACCESS CATEGORIES FOR ENTIRE BRIDGE

Required: Walking, Step Ladder, Extension Ladder, 60 Ft UBIU (18 m)
Required: Barge, Diving, Shadow Vehicle, Other Access Needs

ACCESS CATEGORIES FOR SPAN 1

Required: Walking, Step Ladder, Extension Ladder, Diving

ACCESS CATEGORIES FOR SPAN 2

Required: Walking, 60 Ft UBIU (18 m), Barge, Diving, Shadow Vehicle
Required: Other Access Needs

ACCESS CATEGORIES FOR SPAN 3

Required: Walking, 60 Ft UBIU (18 m), Barge, Diving, Shadow Vehicle
Required: Other Access Needs

ACCESS CATEGORIES FOR SPAN 4

Required: Walking, 60 Ft UBIU (18 m), Barge, Diving, Shadow Vehicle
Required: Other Access Needs

ACCESS CATEGORIES FOR SPAN 5

Required: Walking, Step Ladder, Extension Ladder

Inspection Date: 8/16/2010

RC: 43 BIN: 4025890

Culvert Measurements

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

CheckValue: 1,764,636,830

Culvert Measurements

CULVERT DIMENSIONS FOR SPAN 1

LOCATION: L1

Line AF: 0.00 feet

Line FE: 0.00 feet

Line CF: 0.00 feet

Line AD: 0.00 feet

Line BE: 0.00 feet

COMMENTS:

No Comments Provided.

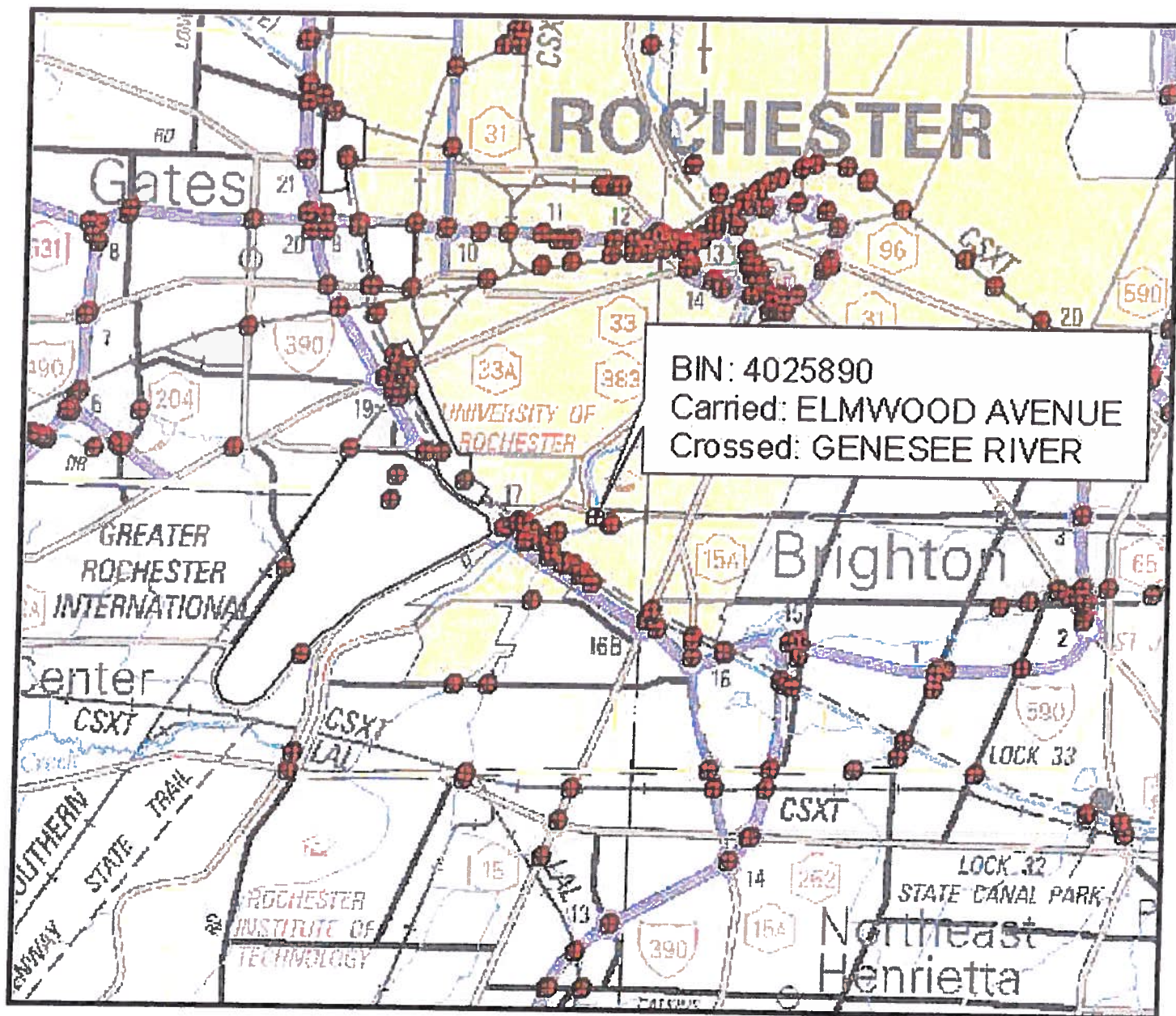
Standard Photos

RC: 43 BIN: 4025890

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

4025890_LOCATION_MAP.JPG

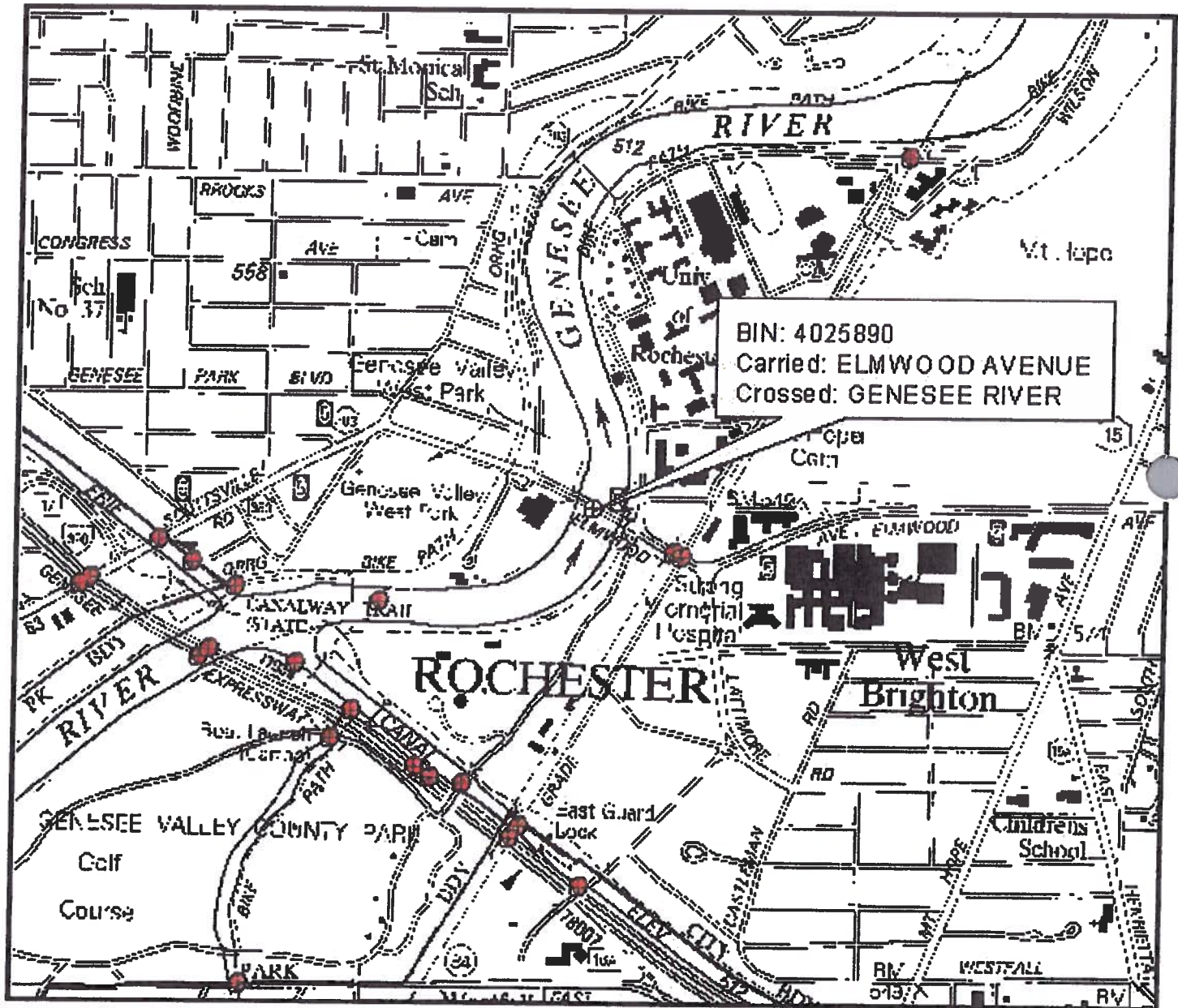


Standard Photos

RC: 43 BIN: 4025890

Carried: ELMWOOD AVENUE Crossed: GENESEE RIVER

4025890_QUAD_MAP.JPG



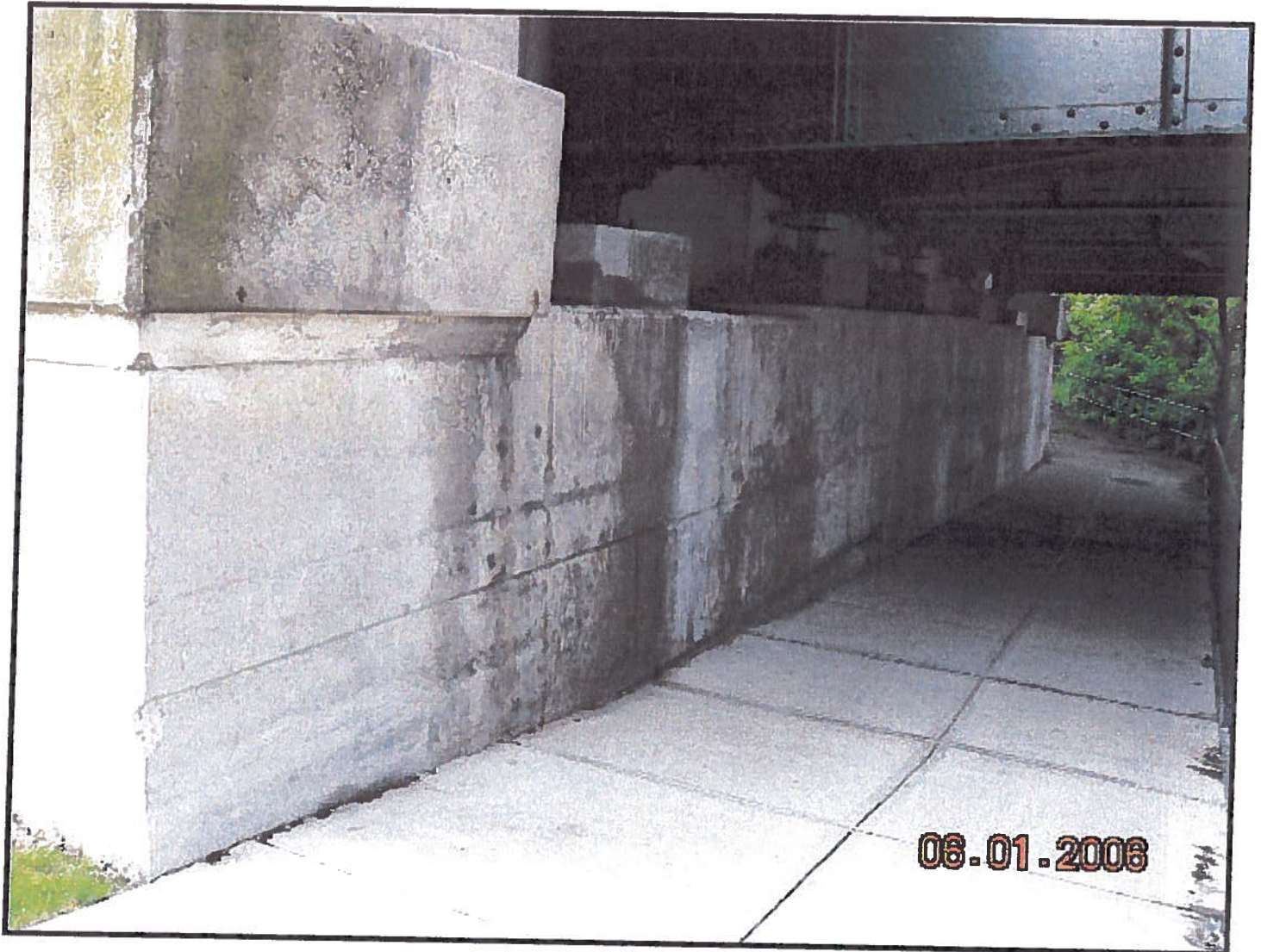
Standard Photos

RC: 43 BIN: 4025890

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

AbutmentBegin.JPG



Standard Photos

RC: 43 BIN: 4025890

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

ApproachBegin.JPG



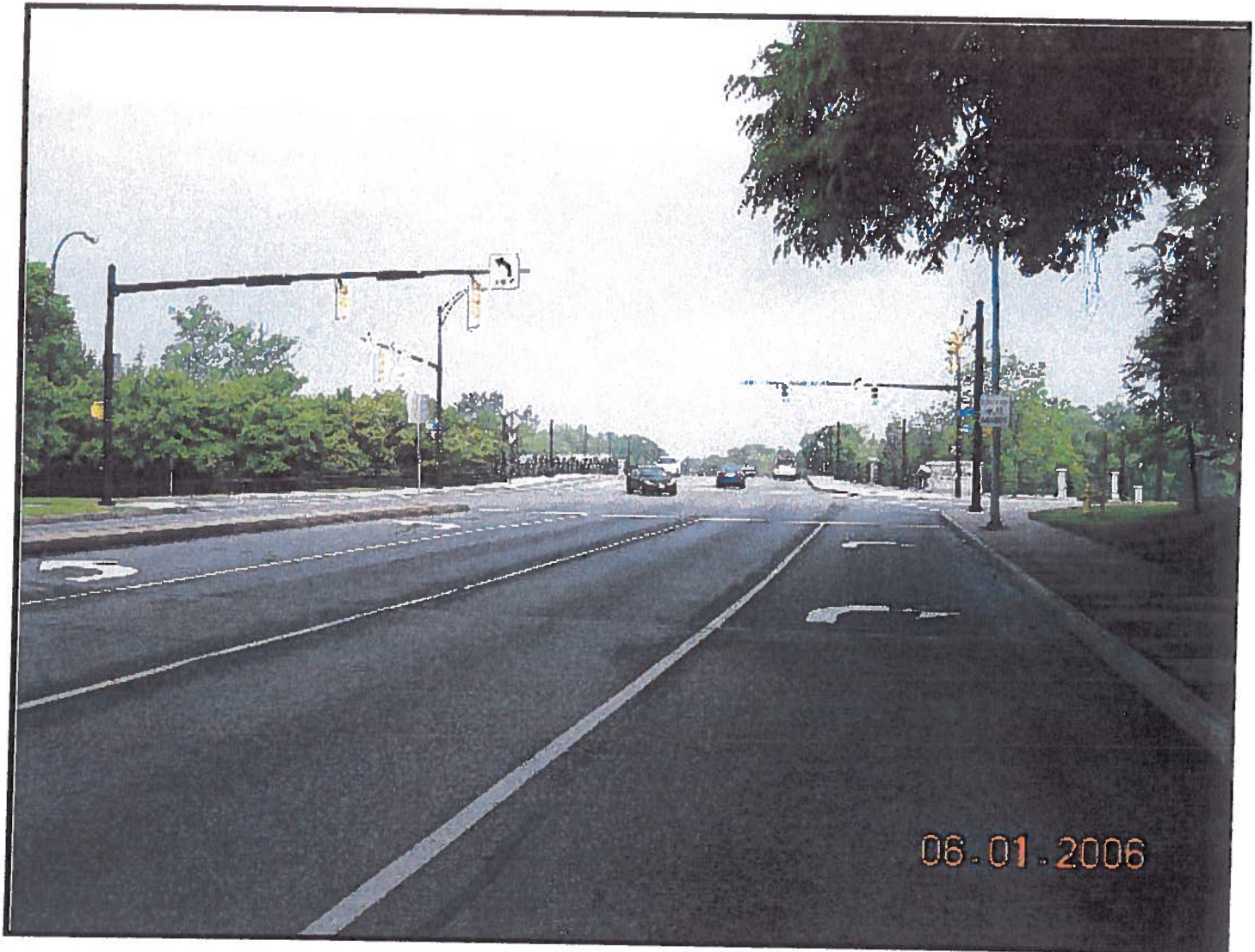
Standard Photos

RC: 43 BIN: 4025890

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

ApproachEnd.JPG



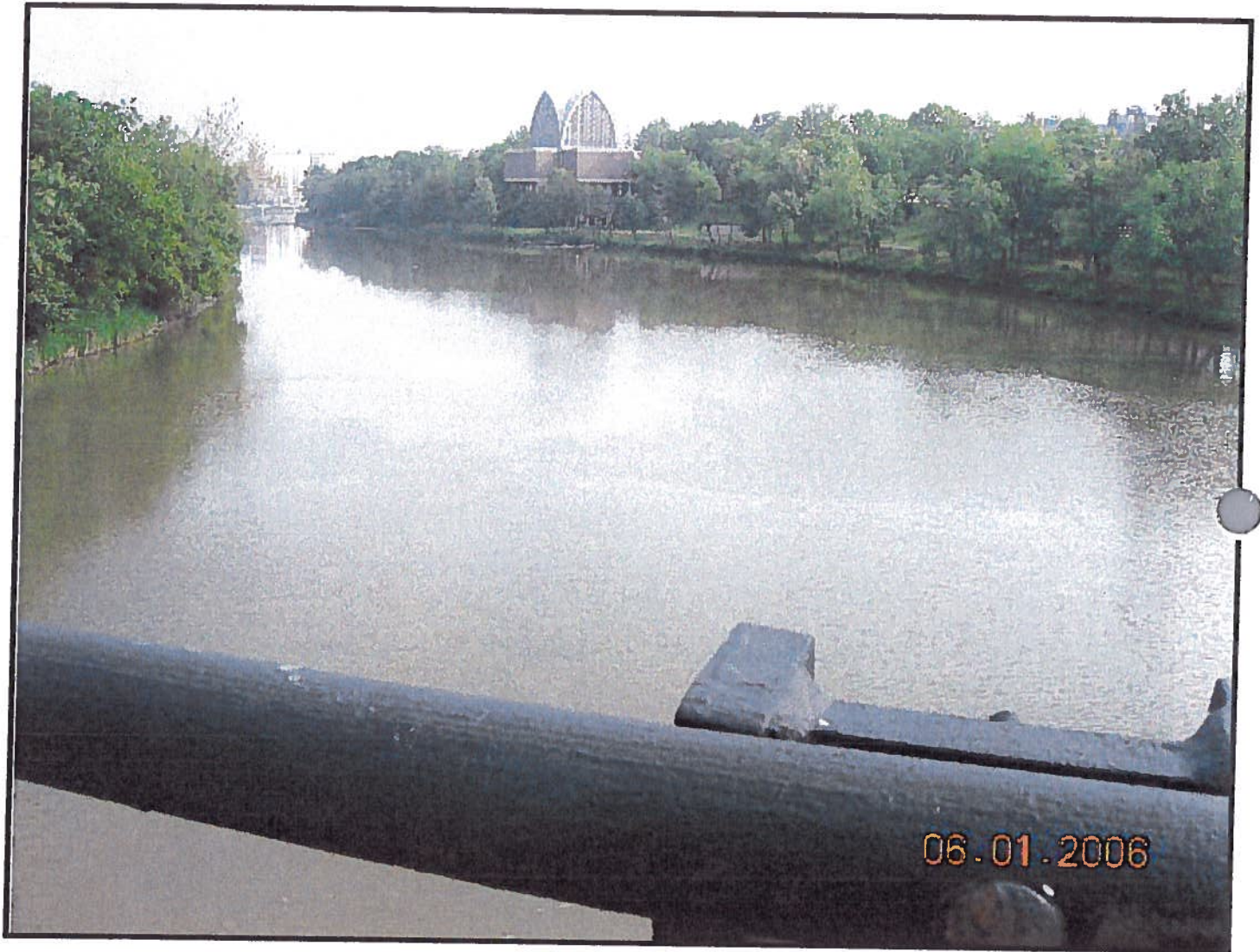
Standard Photos

RC: 43 BIN: 4025890

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

ChannelDownstreamLeft.JPG



Standard Photos

RC: 43 BIN: 4025890

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

ChannelUpstreamRight.JPG



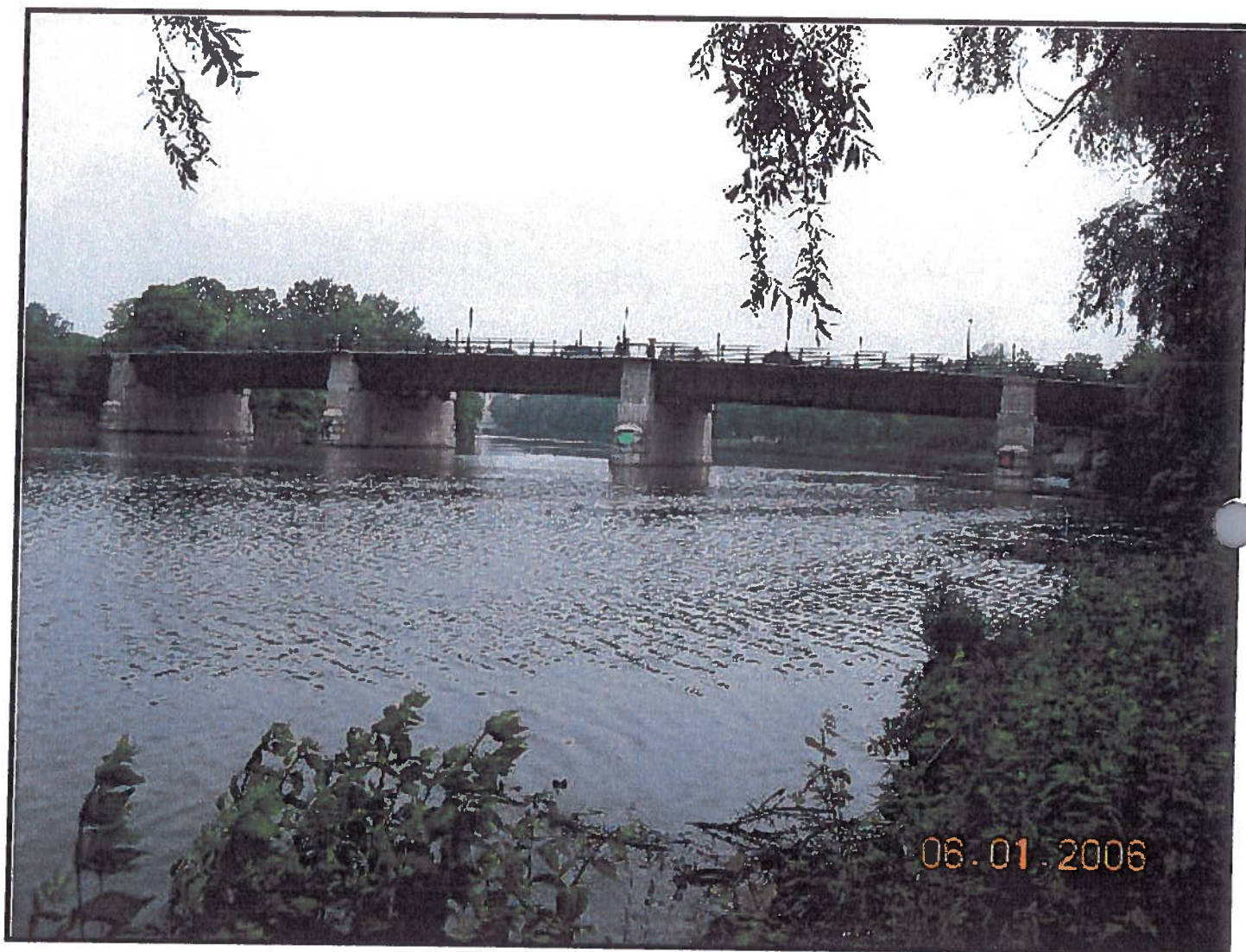
Standard Photos

RC: 43 BIN: 4025890

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

ElevationRight.JPG



Standard Photos

RC: 43 BIN: 4025890

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

FramingSpans1-5typ.JPG



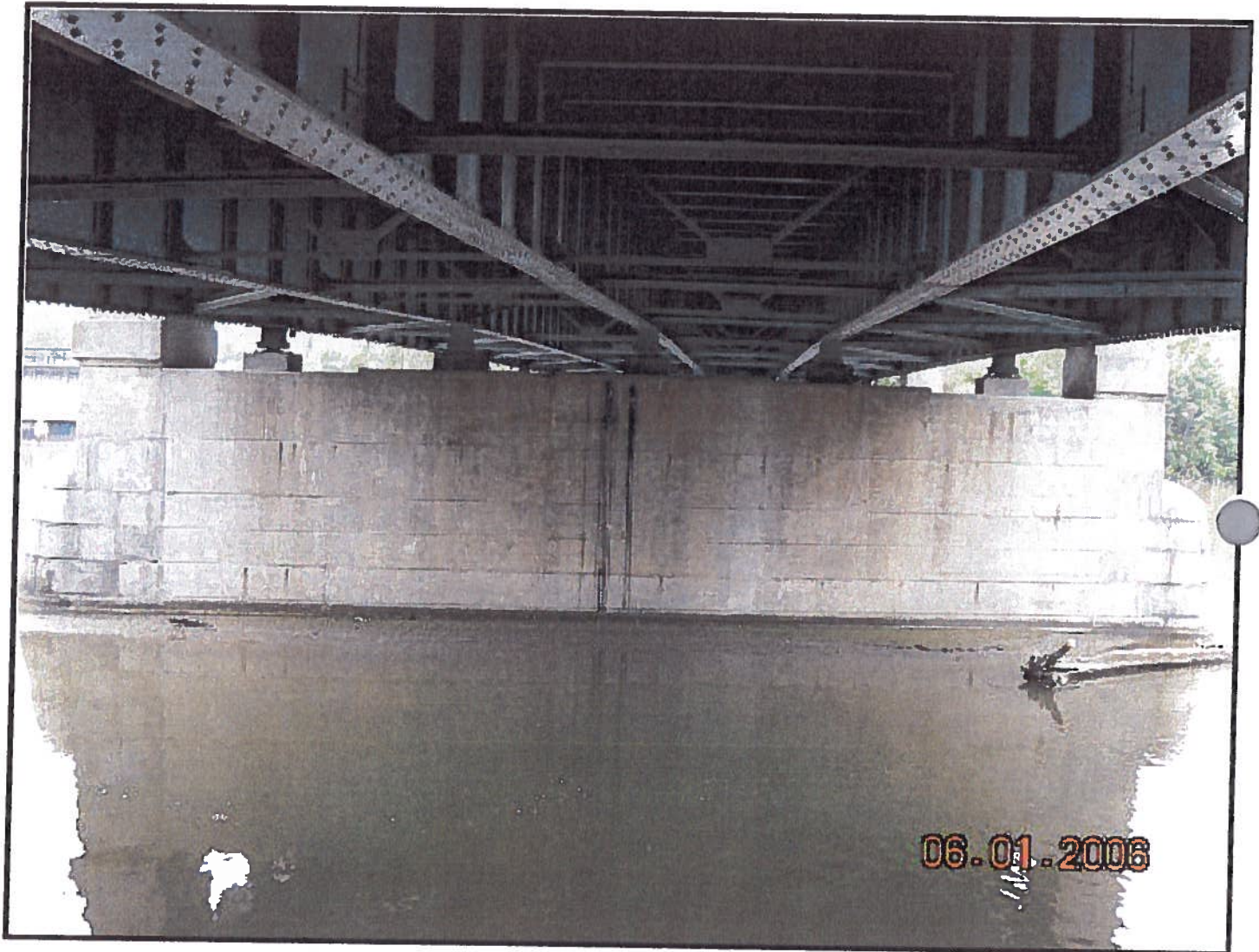
Standard Photos

RC: 43 BIN: 4025890

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

Pier.JPG



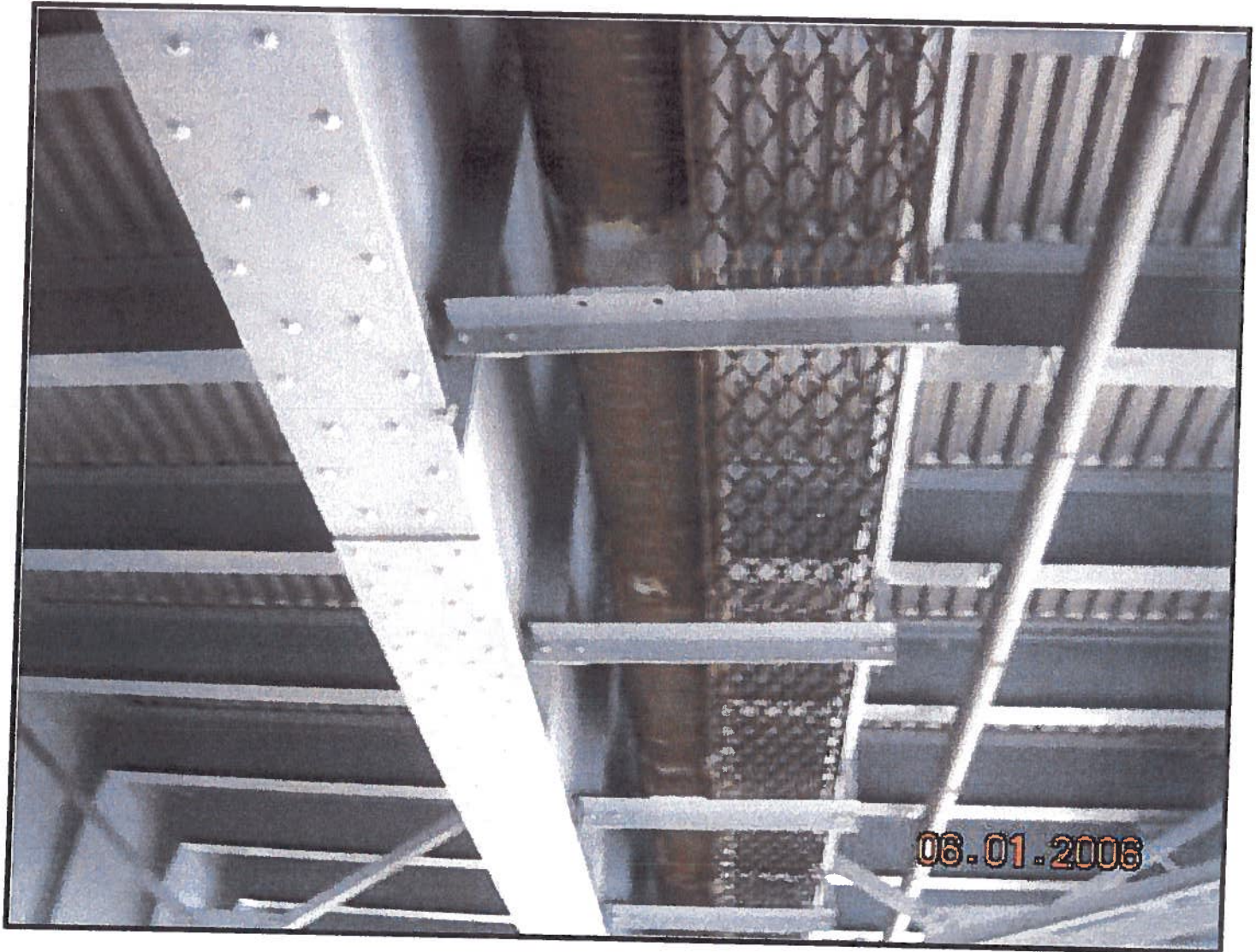
Standard Photos

RC: 43 BIN: 4025890

Carried: ELMWOOD AVENUE

Crossed: GENESEE RIVER

UnderDeckSpans1-5typ.JPG



Elmwood Avenue Bridge over Genesee River
City of Rochester, New York
March 8, 2012



1. Elmwood Ave. Bridge Deck Wearing Surface (looking east)

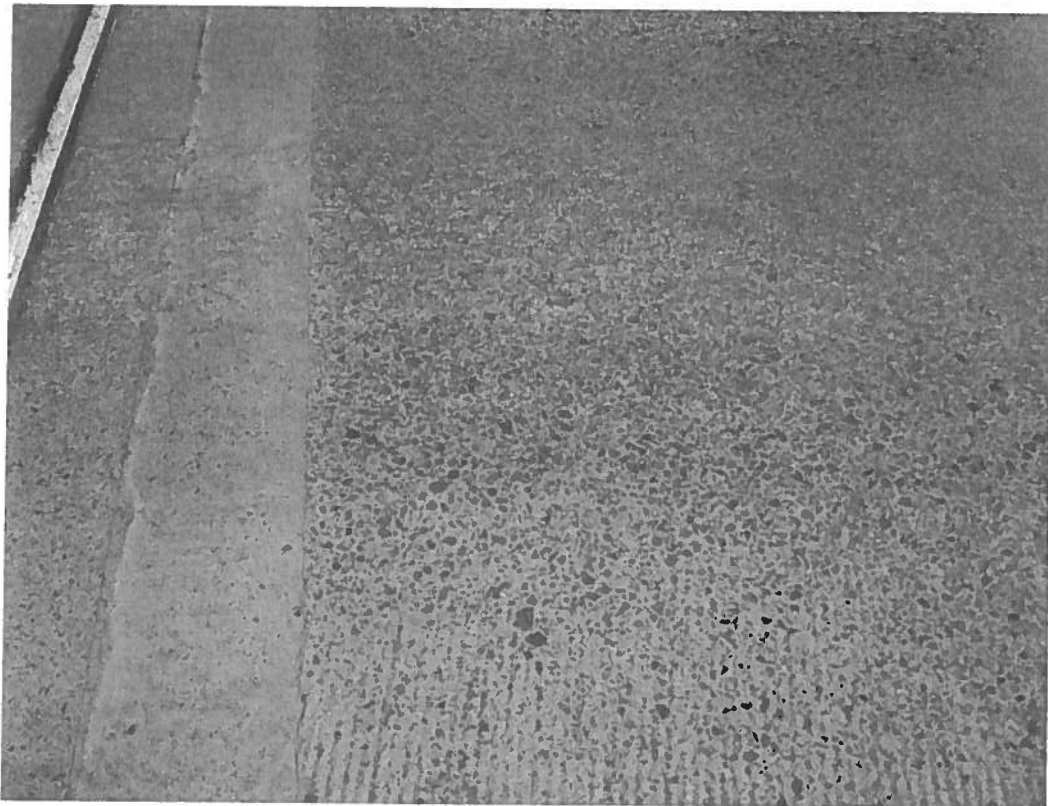


2. Elmwood Ave. Bridge Deck Wearing Surface (looking west)

Elmwood Avenue Bridge over Genesee River
City of Rochester, New York
March 8, 2012



3. Well Worn and Polished Aggregate Wearing Surface



4. Well Worn and Polished Aggregate Wearing Surface

APPENDIX E

Environmental Information

Environmental Checklist

PIN: 4755.32

DESIGNER: LaBella Associates, P.C.

DESCRIPTION: Elmwood Avenue Bridge over Genesee River
Preventive Maintenance

ENVIRON. CONTACT: John Papponetti, P.E.

TOWN/CITY: Rochester

DATE: 02/10/2012

COUNTY: Monroe

REVISION DATE:

ENVIRONMENTAL
CLASSIFICATION

NEPA:

Class II Automatic Categorical Exclusion

SEQRA:

TYPE II

	ENVIRONMENTAL ISSUE	INVOLVEMENT		FURTHER REVIEW REQUIRED	COMMENTS
		YES	NO		
1.	Parkland - State, County & Local Parks & Trails	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.	Parkland - Nationwide 4(f), Section 4(f), Section 6(f), Section 1010	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.	Historic & Archaeological Resources - General and/or Section 4(f)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NYSDOT is reviewing Section 106 Package
4.	Natural Landmarks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.	Visual Resources	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6.	Coast Guard Bridge Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7.	Floodplains	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project is located in a Flood Plain, but no work is projected to impact the existing hydraulics of the bridge
8.	Wetlands - Federal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9.	Executive Order 11990	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10.	Wetlands - State - Article 24 (Freshwater) or Article 25 (Tidal) Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11.	Corps of Engineers - Section 10 or 404, Nationwide or Individual Permits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12.	Water Quality Certification - Section 401	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13.	Water Quality Analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14.	Sole Source Aquifer	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15.	SPDES Stormwater Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16.	Wild, Scenic & Recreational Rivers - Federal or State	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17.	Coastal Zone Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
18.	Critical Environmental Areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
19.	Endangered or Threatened Species	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bog Turtle & American Burying Beetle - No Impact
20.	Farmland or Agricultural District	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
21.	Scenic Roads	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
22.	Air Quality Analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
23.	Noise Analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
24.	Energy Analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
25.	Asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
26.	Hazardous Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Other Issues (list)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

All supporting documentation can be located in the Environmental Appendix.

NEPA ASSESSMENT CHECKLIST

Page 1 of 3

This checklist complies with FHWA regulations that implement NEPA, 23 CFR §771(1987), and was approved by the FHWA on July 15, 1996.

I. GENERAL DEFINITION OF CATEGORICAL EXCLUSIONS

Before answering the questions on the NEPA Checklist, the preparer must be familiar with the general definition of Categorical Exclusions. Section 7.4 describes the general criteria for Categorical Exclusions according to 23 CFR 771. Sections 7.4.1.1 through 7.4 also define the Automatic Categorical Exclusions, Programmatic Categorical Exclusions and Categorical Exclusions with Documentation to which this NEPA Assessment Checklist applies.

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)? | _____ | _____ <input checked="" type="checkbox"/> |
| <ul style="list-style-type: none">• 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? | _____ <input checked="" type="checkbox"/> | _____ |
| <ul style="list-style-type: none">• If YES to question 2, the project qualifies for a C List Categorical Exclusion. You may STOP COMPLETING THE CHECKLIST. | | |

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 a new location or involve a change in the functional classification or added mainline capacity (add through-traffic lanes)? | _____ | _____ |
| 4. Is this a Type I project under 23 CFR 772, <i>Procedures for Abatement of Highway Traffic Noise and Construction</i> ? | _____ | _____ |

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

21. Does the project involve the use of a temporary road, detour or ramp closure? YES NO

- 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. Refer to Section 8.6.2 of Chapter 8 of this manual for next steps.
- 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.

22. Since the project involves the use of temporary road, detour or ramp closure, will all of the following conditions be met: YES NO

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. Refer to Section 8.6.2 of Chapter 8 of this manual for next steps.
- 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

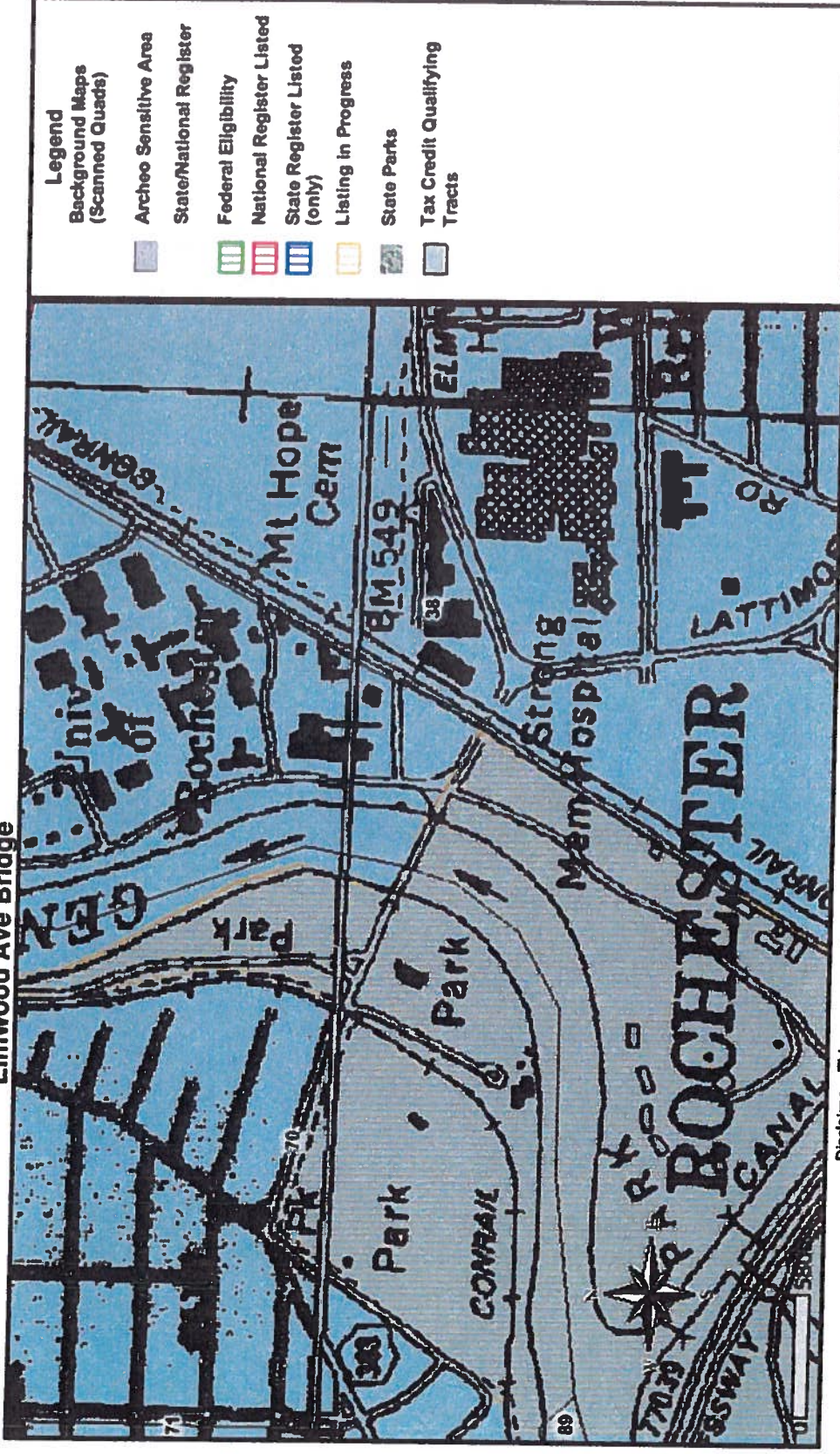
For those questions which precluded a Programmatic Categorical Exclusion, documentation should be provided for any YES response to questions 3-20 or for a NO response to any part of questions 22 (i-v). This documentation, as well as the checklist, should be included in the Design Approval Document, i.e., Final Design Report, to be submitted to the Regional Local Project Liaison for submission to the FHWA Division for classification of the project as a D List Categorical Exclusion. Refer to Chapter 8 of this manual for next steps.

SEQR Type II Criteria Documentation (for minor highway projects per item 37 in 17 NYCRR 15.14(e))

In accordance with 17 NYCRR 15.14(d) and 17 NYCRR 15.14(e)(37), this project is a SEQR Type II project. The project does not include or result in:

- (1) The acquisition of any occupied dwelling units or principal structures of business;
- (2) Significant changes in passenger or vehicle traffic volume, vehicle mix, local travel patterns or access (other than changes that would occur without the project);
- (3) more than minor social, economic or environmental effects upon occupied dwelling units, businesses, abutting properties or other established human activities;
- (4) Significant inconsistency with current plans or goals that have been adopted by local governmental bodies;
- (5) Physical alternation of more than 1.0 ha (2.5 acres) of publicly owned or operated parkland, recreation area or designated open space;
- (6) an effect on any historic district, site, building, structure or object that is listed, or may be eligible for listing, on the National Register of Historic Places, or any historic building, structure, site or prehistoric site that has been proposed by the Committee on the Registers for consideration by the New York State Board of Historic Preservation for a recommendation to the State Historic Preservation Officer for nomination for inclusion in said National Register;
- (7) more than minor alteration of, or adverse effect upon, any property, protected area, or natural or man-made resource of national, State or local significance, including but not limited to:
 - (i) Freshwater or tidal wetlands and associated areas;
 - (ii) Floodplain areas;
 - (iii) Prime or unique agricultural land;
 - (iv) Agricultural districts so designated pursuant to article 25, section 203, when more than one acre of such district may be affected;
 - (v) Water resources, including lakes, reservoirs, rivers, streams;
 - (vi) Water supply sources;
 - (vii) Designated wild, scenic and recreational rivers;
 - (viii) Unique ecological, natural wooded or scenic areas;
 - (ix) Rare, endangered or threatened species formally designated as such pursuant to Federal law; and
 - (x) Any area officially designated as a critical environmental area pursuant to 6 NYCRR Part 617; and
- (8) The requirement for an indirect air source quality permit, pursuant to 6 NYCRR Part 203.

Elmwood Ave Bridge



December 16, 2011

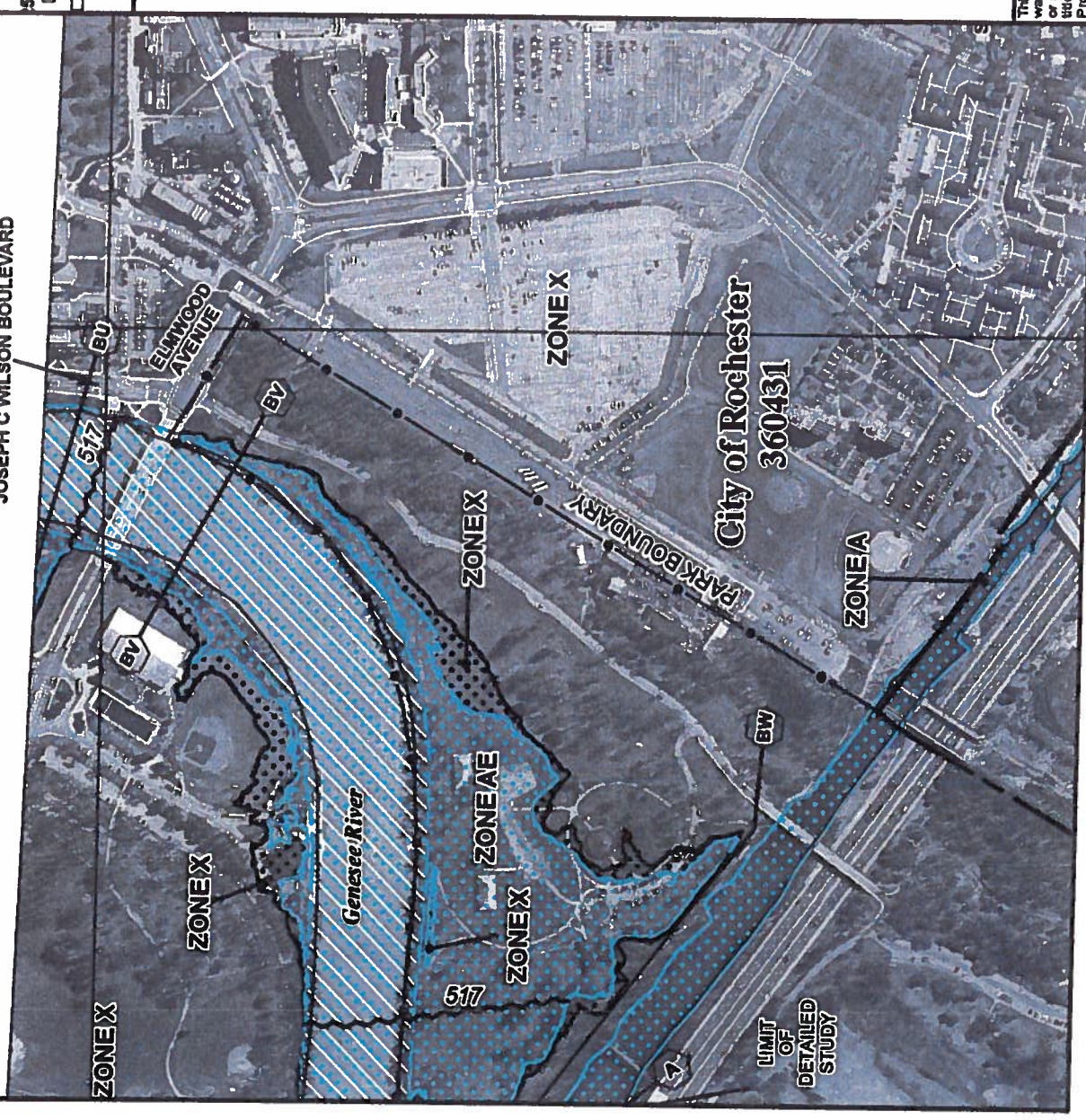
Disclaimer: This map was prepared by the New York State Parks, Recreation and Historic Preservation National Register Listing Internet Application. The information was compiled using the most current data available. It is deemed accurate, but is not guaranteed.



MAP SCALE 1" = 500'



JOSEPH C WILSON BOULEVARD



NFIP

PANEL 0332G

FIRM

FLOOD INSURANCE RATE MAP

for MONROE COUNTY, NEW YORK
(ALL JURISDICTIONS)

CONTAINS:

COMMUNITY	NUMBER
BRIGHTON, TOWN OF	360410
CHILI, TOWN OF	360412
HENRIETTA, TOWN OF	360419
ROCHESTER, CITY OF	360431

PANEL 332 OF 528

MAP SUFFIX: G

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
360550332G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



Search	Layers & Legend	Tell Me More...
Need a Permit?	Contacts	Help

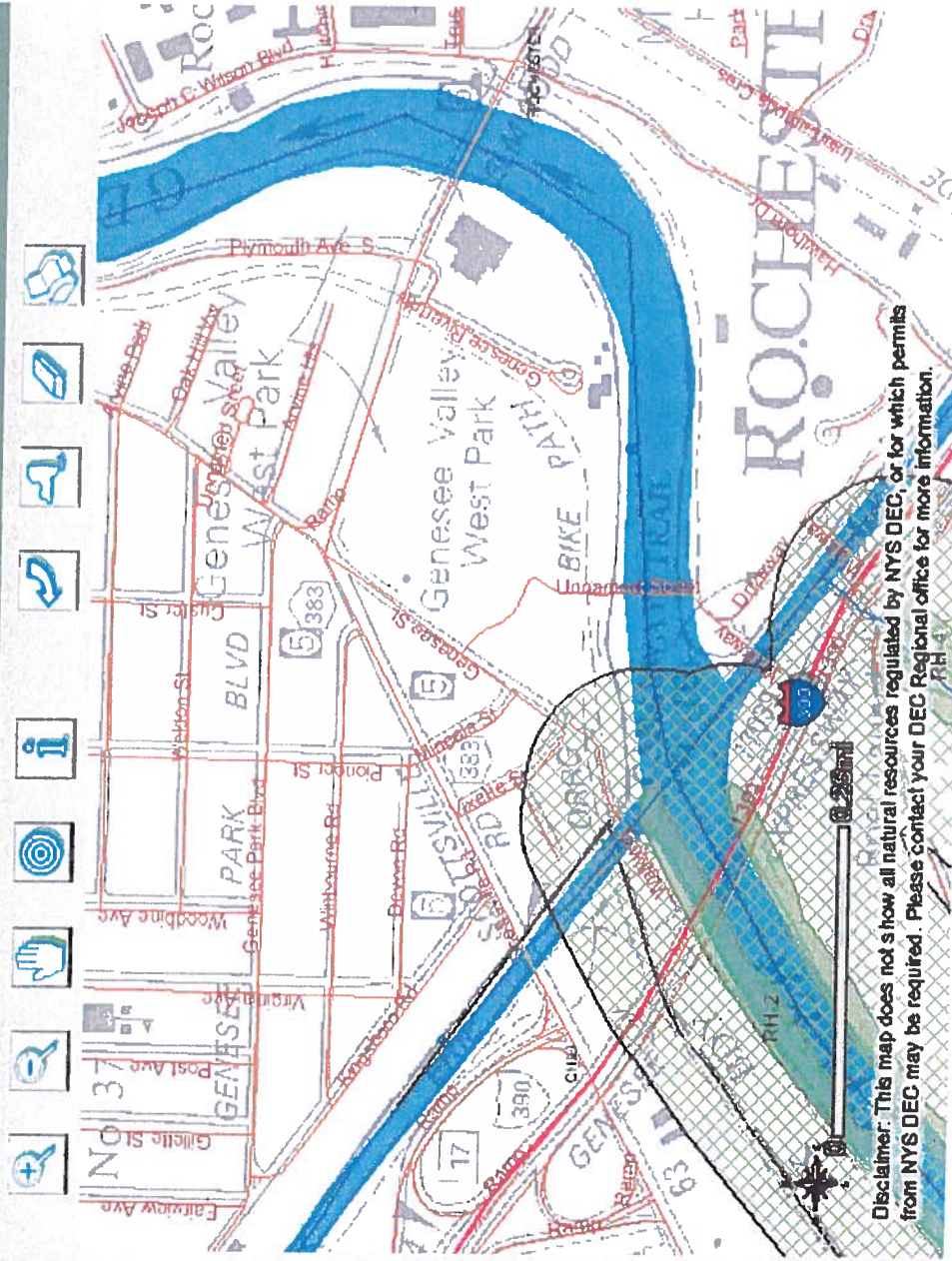
Map Layers & Legend

More layers appear as you zoom in.

- ☒ Classified Water Bodies
- ☒ Unique Geological Features
- ☒ Classified Water Bodies
- ☒ State-Regulated Freshwater Wetlands
- ☒ Wetland Checkzone ?
- ☒ Rare Plants and Rare Animals
- ☒ Significant Natural Communities
- ☒ Natural Communities Vicinity ?
- ☒ Background Map
- ☒ Adirondack Park Boundary
- ☒ Counties

Click "Refresh Layers" to activate and deactivate layers.

[Refresh Layers](#)





U.S. Fish and Wildlife Service

National Wetlands Inventory

Elmwood Avenue
Bridge

Dec 16, 2011

Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other



This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or correctness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

[print page] [close window]

The Coordinates of the point you clicked on are:

NYTM	E : 285837	Longitude/Latitude	W : 77.632
	N : 4777975		N : 43.124

Classified Streams

Regulation	Standard	Classification
820-2	B	B

Old or Potential Records (these records are not displayed on the map)

Common Name	Scientific Name	Date Last Documented	Location	Habitat Where Last Seen	Animal, Plant, or other	NYS Protected Status
American Burying Beetle	Nicrophorus americanus	no date	Rochester		Rare Animal	Endangered

USGS Quadrangle

USGS Quadrangle Name
WEST HENRIETTA

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

**Monroe County****Federally Listed Endangered and Threatened Species and Candidate Species**

This list represents the best available information regarding known or likely County occurrences of Federally-listed and candidate species and is subject to change as new information becomes available.

<u>Common Name</u>	<u>Scientific Name</u>	<u>Status</u>
Bog turtle (Riga and Sweden Townships)	<i>Clemmys [=Glyptemys] muhlenbergii</i>	T

Status Codes: E=Endangered, T=Threatened, P=Proposed, C=Candidate, D=Delisted.

Information current as of: 12/16/2011

New York  State

 State Agencies

 Search all of NY.gov


DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

 Printer-friendly ||

 A-Z Subject Index ||

 Enter search words

 Search DEC

[Home](#) » [Animals, Plants, Aquatic Life](#) » [Insects & Other Species](#) » [American Burying Beetle Fact Sheet](#)

[Outdoor Activities](#)

[Animals, Plants, Aquatic Life](#)

[Insects & Other Species](#)

[American Burying Beetle Fact Sheet](#)

[Chemical & Pollution Control](#)

[Energy and Climate](#)

[Lands and Waters](#)

[Education](#)

[Permits and Licenses](#)

[Public Involvement and News](#)

[Regulations and Enforcement](#)

[Publications, Forms, Maps](#)

[About DEC](#)

American Burying Beetle Fact Sheet

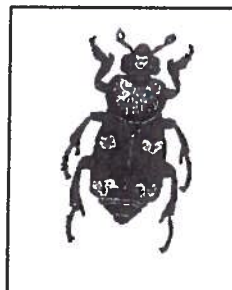
American Burying Beetle
Nicrophorus americanus

New York Status: **Extirpated**

Federal Status: **Endangered**

Description

The American burying beetle, also known as the "giant carrion beetle," is the largest member of its genus in North America. Most adults are 1.2 inches (30 mm) in length, though they vary from 1.0 -1.4 inches (25-35mm). This beetle can be easily identified by its distinctive orange-red on shiny black coloration.



One colored mark covers the frons, an upper frontal head plate, and a similarly colored plate exists just behind the head. Both contrast sharply with the black body color. Wings are black with two pairs of scalloped red spots and the tips on the antennae are orange. The sexes can be distinguished by a distinctively shaped orange-red facial mark below the frons. Males have a large rectangular mark, while females have a smaller triangular mark.

Burying beetles often carry swarms of orange-colored mites on their body. They help keep beetles and carcasses clean of microbes and fly eggs.

Life History

American burying beetles are active from late April through September. Adults are nocturnal, active when temperatures exceed 15C (60F). Most reproductive activity and carcass burial occur in June and July. Reproduction depends on the availability of carrion. American burying beetles select carcasses larger than other burying beetles. The carcasses of larger species (i.e. pheasant chicks) are used as a food source during the breeding

Important Links

[Endangered Species Program](#)

[Contact for this Page](#)

Endangered Species Unit
NYSDEC
625 Broadway
Albany, NY 12233-4754
518-402-8924
[Send us an email](#)

[This Page Covers](#)



All of
New York State

layer are characteristic of all sites. Open agricultural land is frequently utilized. It is unlikely that vegetational structure and soil type were historically limiting, in a general sense, considering the species' wide geographic range. While soils suitable for carcass burial are essential, it is probably carrion availability that is more important. Vegetation and soil do influence the potential prey base available to the beetles, though. Historically, American burying beetles depended upon large aggregations of 100-200 gram carcasses; ring-necked pheasant chicks were ideally suited. Today on Block Island, large 100-200 gram carcasses are used from six bird species, including pheasants and woodcock. Twice as abundant, small carcasses (<100 g) are also utilized.

Status

In addition to the known populations in Rhode Island and Oklahoma, American burying beetles were collected in Ontario, Kentucky, Arkansas, Missouri and Nebraska as late as 1970. If the species still exists in these areas, it is very localized.

The decline of American burying beetles has been underway for almost a century. Populations were largely gone by the 1920's. The prevailing theory for the decline involves habitat loss and fragmentation, which led to a greatly reduced carrion food-base. With habitat fragmentation, high population densities of many indigenous species were no longer possible. Species composition possibly changed. Changing land use patterns resulted in increased acreage of agricultural land; species composition in these habitats also changed. Mice were more plentiful, but at 25 grams were too small for the beetles. Passenger pigeons and prairie chickens disappeared. Turkey, waterfowl and shorebird populations declined. Prey species were generally less plentiful. Widespread cutting of forests increased edge habitat, which led to more predators and scavengers such as foxes, raccoons, opossums, skunks and crows. All competed with the beetles for carrion. The optimum-sized, carrion food-base was reduced throughout the beetle's range. The beetle disappeared.

Other theories for the decline exist. DDT was unlikely responsible, for the decline had occurred 25 years before DDT was used. A species specific disease is unlikely, though not impossible. Populations of other carrion beetle species have remained largely intact. American burying beetles appear to have broad habitat tolerances, so direct habitat loss was unlikely responsible initially. Once populations of burying beetles become isolated, though, habitat loss can become an important factor. Movements between habitats occurs less frequently.

Appendix 7-9**Project Submittal Package – Section 106 of the National Historic Preservation Act****NEW YORK STATE DEPARTMENT OF TRANSPORTATION PROJECT SUBMITTAL PACKAGE**
Section 106 of the National Historic Preservation Act
For Locally-Administered Federal-Aid Projects

A Project Submittal Package is prepared by the Local Project Sponsor (Sponsor) or their consultants for federal aid transportation projects to provide sufficient information for NYSDOT assessment of Section 106 obligations. The Sponsor sends the package to the Regional Local Project Liaison (RLPL) for RCRC review. The RCRC will make recommendations to identify what is needed for Section 106 compliance for the project.

DATE 2/10/12 PIN 4755.32 BIN 4025890**IDENTIFICATION**Project Name (if any) ELMWOOD AVENUE BRIDGE OVER GOWESKE RIVERProject Area Boundaries LIMITS OF BRIDGE STRUCTURE ONLY

(Indicate State or County Route # and/or local street name, and clearly defined endpoints)

County MONROE Town/City ROCHESTER Village/Hamlet: _____

Have you consulted the NYSHPO web site at [*http://nysparks.state.ny.us](http://nysparks.state.ny.us) to determine the preliminary presence or absence of previously identified cultural resources within or adjacent to the project area? If yes:

☒ Yes ☐ No

- Was the project site wholly or partially included within an identified archaeologically sensitive area?

☒ Yes ☐ No

- Does the project site involve or is it substantially contiguous to a previously evaluated National Register of Historic Places listed property?

☐ Yes ☒ No

[*http://nysparks.state.ny.us](http://nysparks.state.ny.us) then select **HISTORIC PRESERVATION** then **Historic Preservation Field Services Bureau** then **On Line Tools**

ALL PROJECTS SUBMITTED FOR REVIEW SHOULD INCLUDE THE FOLLOWING INFORMATION

- ☒ **Project Description** – Attach a full description of the nature and extent of the work to be undertaken as part of this project. This should include, but not limited to, potential activities that might involve drainage, cutting, excavation, grading, filling, on-site detours, new sidewalks, right-of-way acquisition. Relevant portions of the project applications or environmental statements may be submitted. This could be from sections of the Draft Design Report/ Draft Scoping Document.
- ☒ **Location Maps** - Provide USGS Quad or DOT Planimetric map showing project area location. The map must clearly show street and road names surrounding the project area as well as all portions of the project.
- ☒ **Photos** - Provide clear, original color photographs of the entire project area keyed to a site plan. These photos should indicate:
 - Buildings/structures more than 50 years old that are located along the property or on adjoining property
 - Areas of prior ground disturbance (removal of original topsoil; filling and plowing are not considered disturbance)

LOCAL SPONSOR CONTACTName TOM HACK, P.E. Title CITY BRIDGE ENGINEERFirm/Agency CITY OF ROCHESTER DEPARTMENT OF ENVIRONMENTAL SERVICESAddress 30 CHURCH STREET, RM 300B City ROCHESTER State NY Zip 14614Phone 585.428.6852 E-Mail TOM.HACK@CITYOFROCHESTER.GOVConsultant Name & Phone LABELLA ASSOCIATES, P.C. (585) 295.6287
ATTN: JOHN PAPPUNETTI, P.E.

Elmwood Avenue Bridge over Genesee River
BIN 4025890
PIN 4755.32

PROJECT DESCRIPTION:

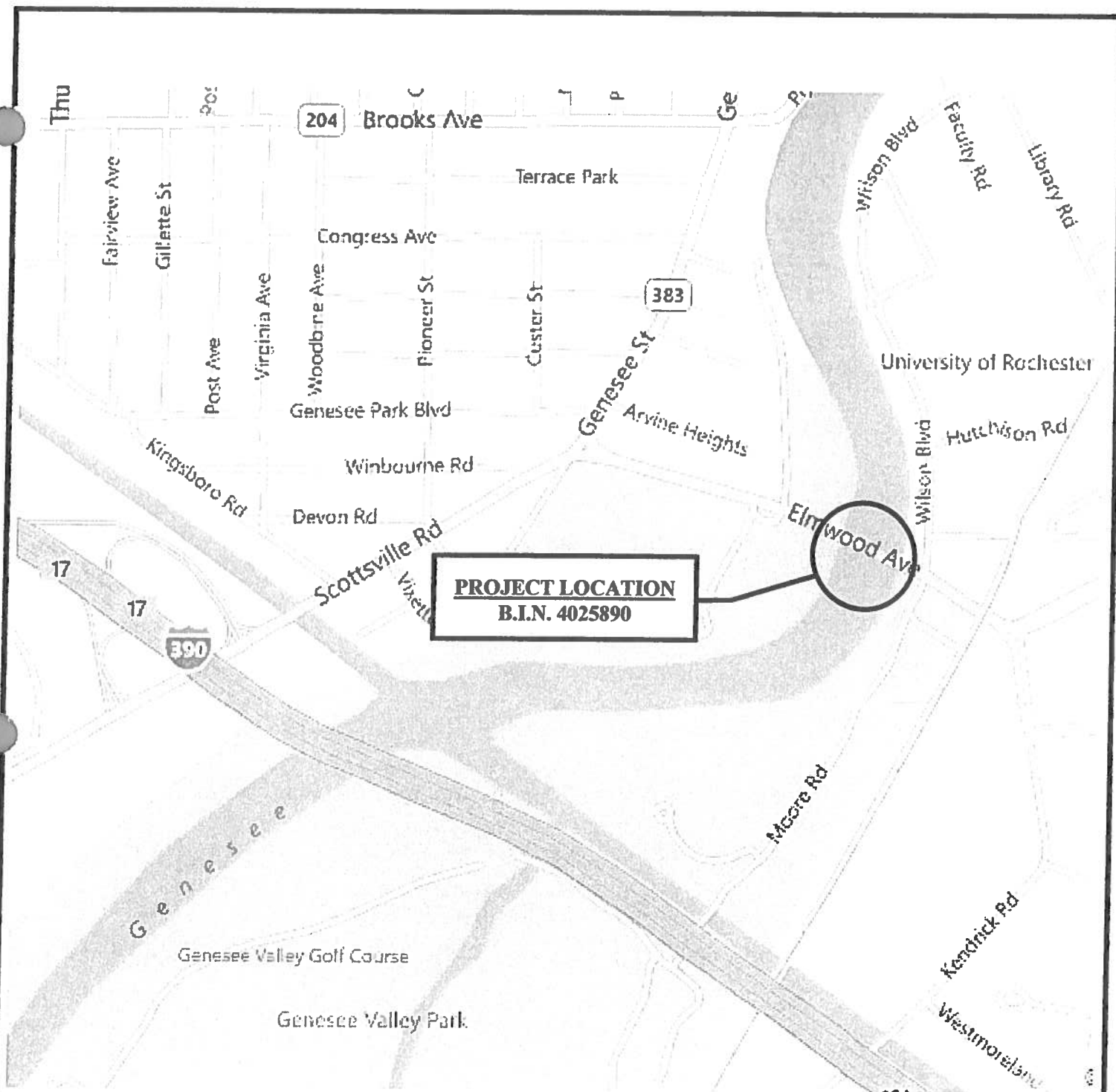
The Elmwood Avenue Bridge over Genesee River project involves the following element specific preventative maintenance tasks:

- Scarify existing bridge deck
- Concrete deck repairs
- Place Concrete deck overlay
- Replace sections of failed bridge curb
- Replace existing joint systems
- Relocate existing bridge lighting system to outside face of bridge railing
- Scupper flushing
- Bridge washing

The project is located within an Archeological Sensitive Area, however given the nature of the element specific preventative maintenance tasks, it is anticipated that the only impact will be to the existing bridge superstructure.

The Bog Turtle is a threatened species known to be found in the Town of Riga (outside of project limits). The American Burying Beetle is an endangered animal known to be found in the Rochester area at one time. Based on available NYSDEC documents, the American Beetle is known to exist in only two locations, Block Island, RI and Eastern Oklahoma. This project does not propose any activities that would impose a negative impact on endangered or threatened species.

It is assumed that the project will be progressed as a SEQR Type II and NEPA Class II Automatic Categorical Exclusion.



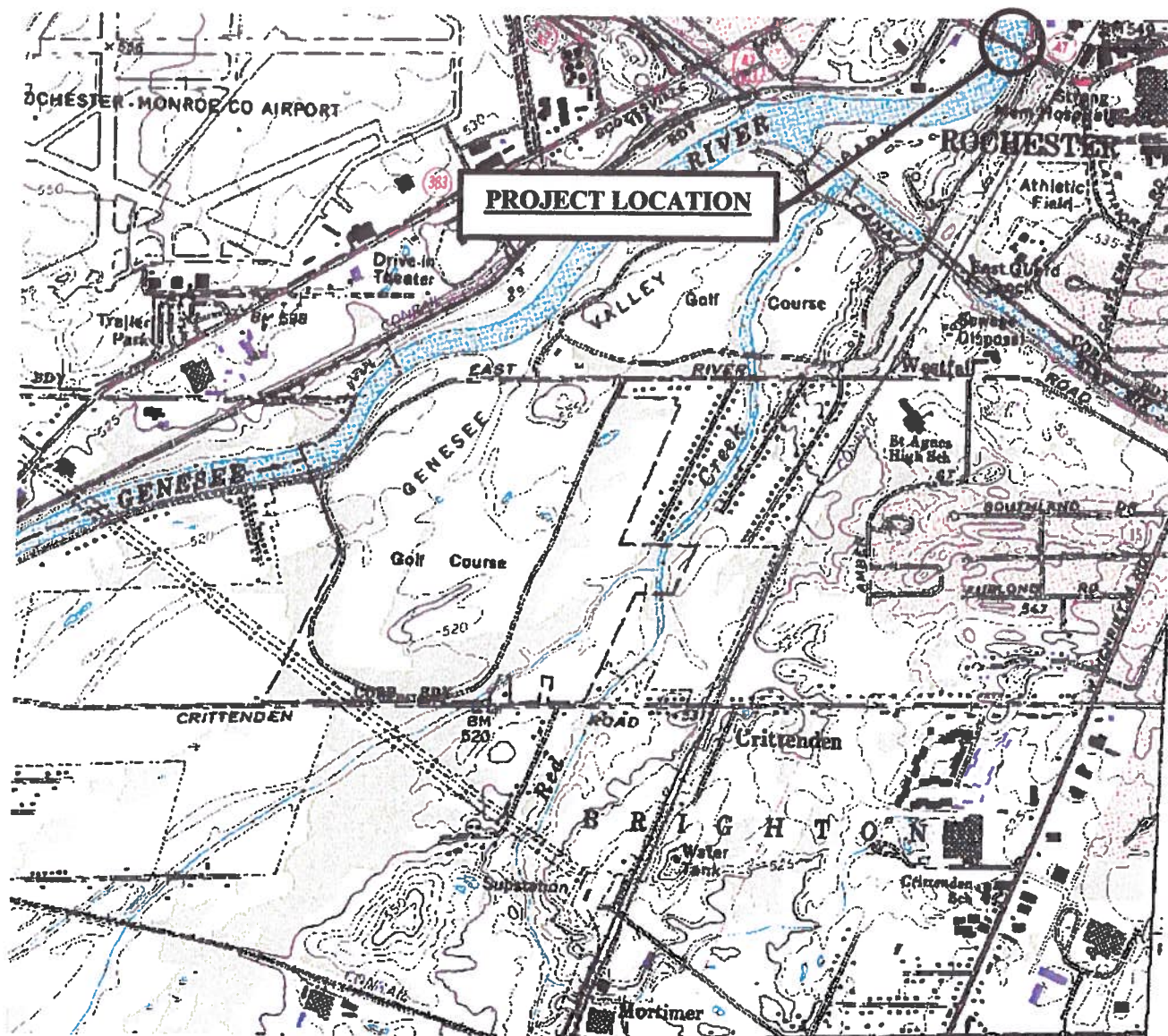
PROJECT LOCATION MAP

**Elmwood Avenue Bridge
over Genesee River
(BIN 4025890)**

**City of Rochester
Monroe County, New York**

ABELLA
Associates, P.C.

PROJECT NO.: 207650.04



USGS LOCATION MAP

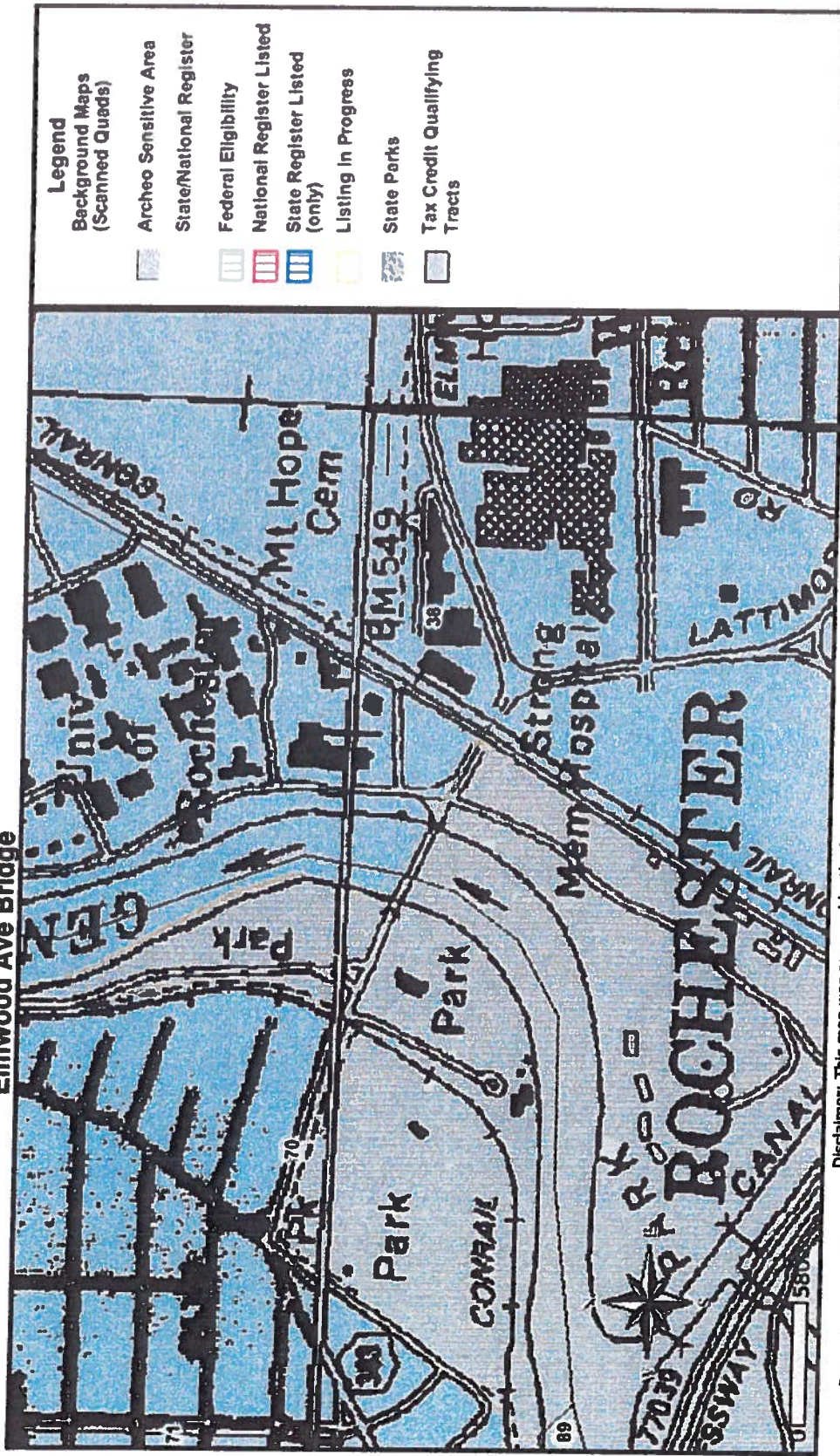
Elmwood Avenue Bridge over Genesee River
(BIN 4025890)

USGS Quadrangle Map: West Henrietta

City of Rochester
Monroe County, New York

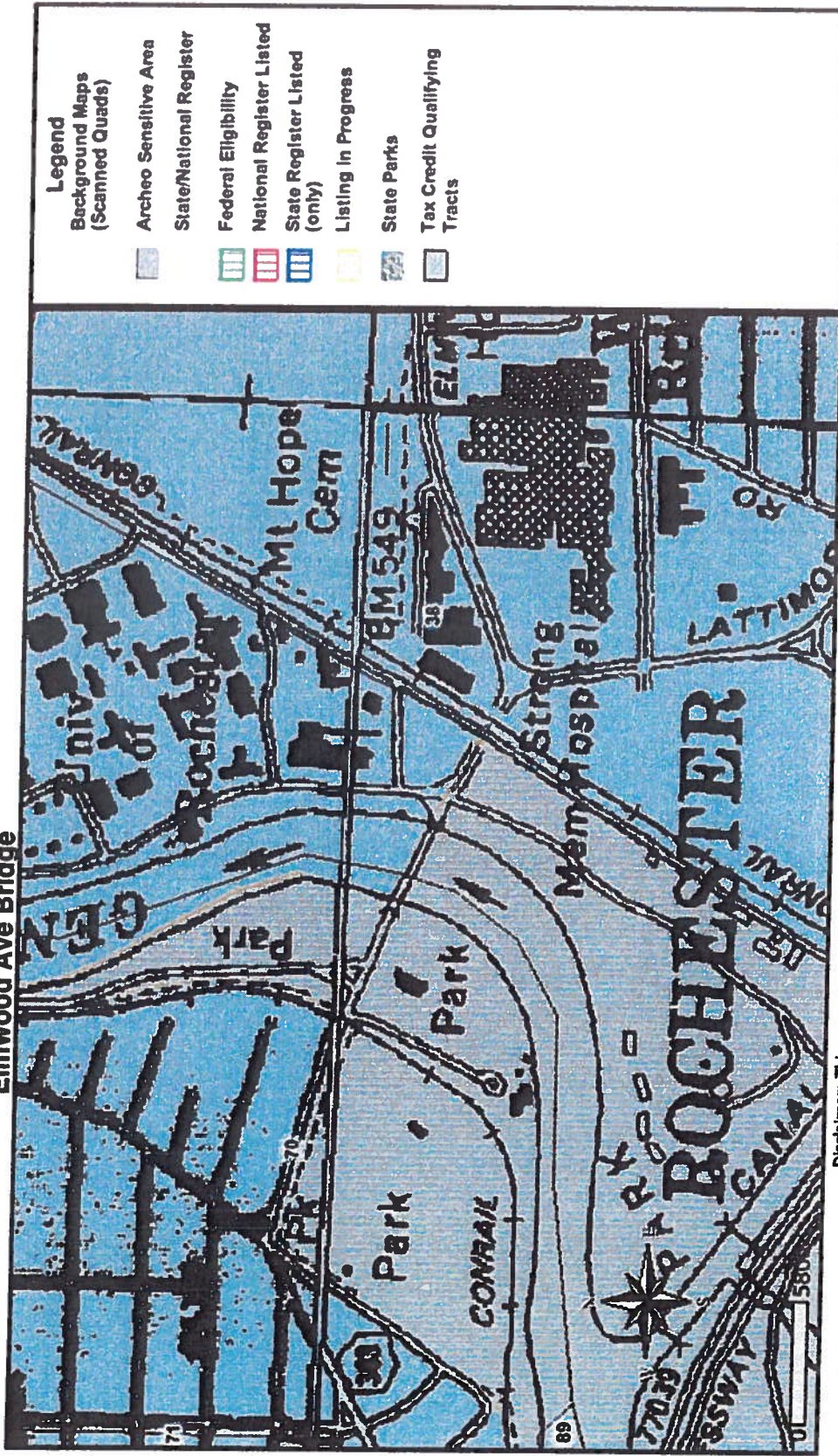
ABELLA
Associates, P.C.

PROJECT NO.: 207650.04



Disclaimer: This map was prepared by the New York State Parks, Recreation and Historic Preservation National Register Listing Internet Application. The information was compiled using the most current data available. It is deemed accurate, but is not guaranteed.

Elmwood Ave Bridge



December 16, 2011

Disclaimer: This map was prepared by the New York State Parks, Recreation and Historic Preservation National Register Listing Internet Application. The information was compiled using the most current data available. It is deemed accurate, but is not guaranteed.

Elmwood Avenue Bridge over Genesee River
City of Rochester, New York
February 10, 2012

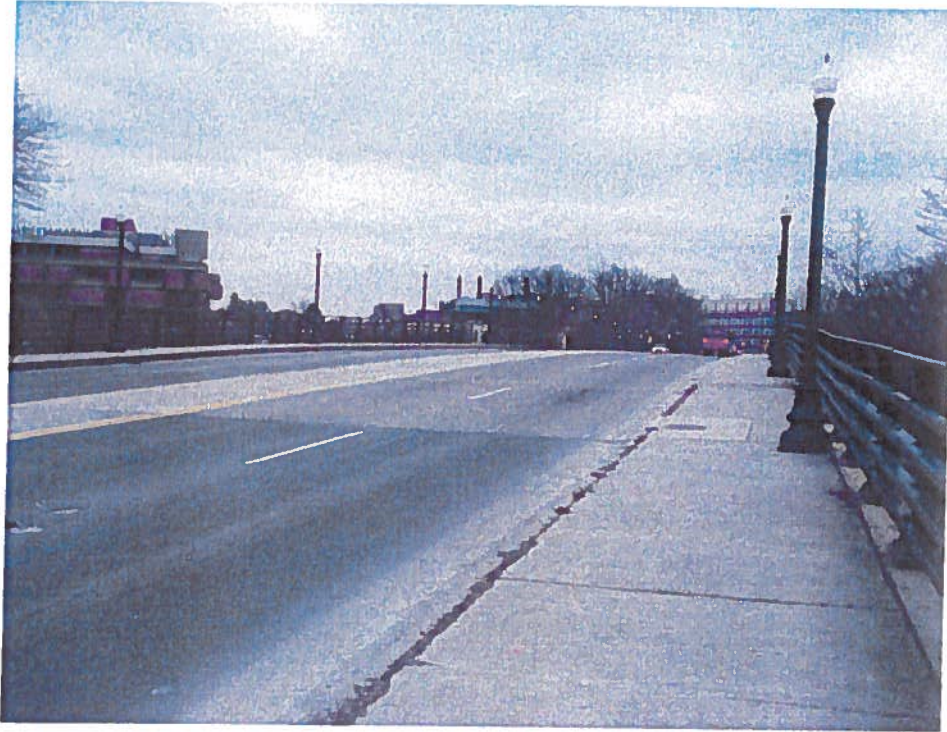


1. Elevation looking South

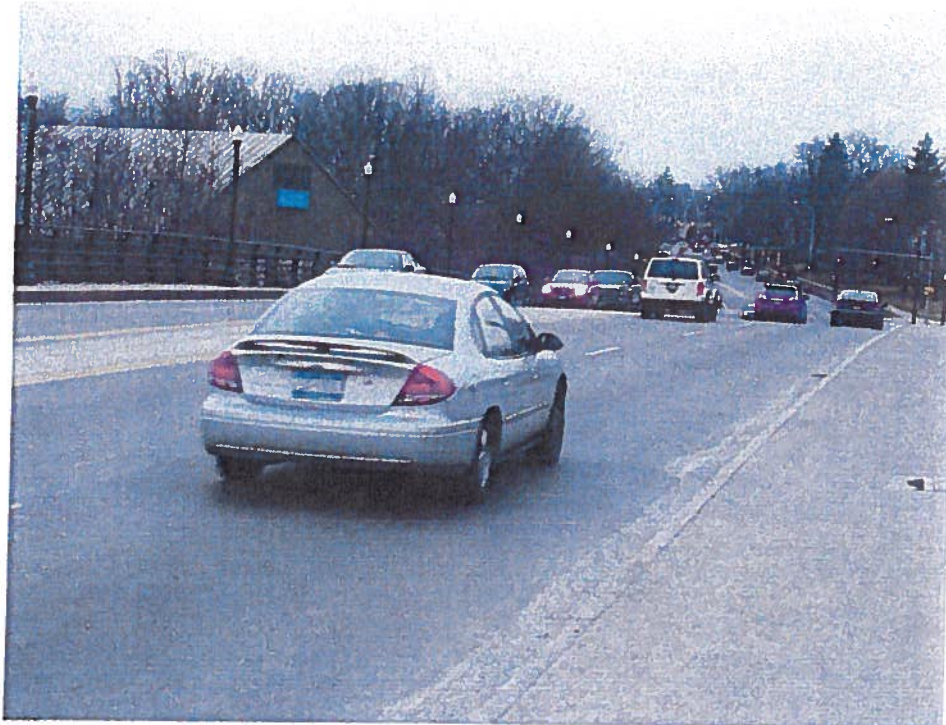


2. Elevation looking North

Elmwood Avenue Bridge over Genesee River
City of Rochester, New York
February 10, 2012

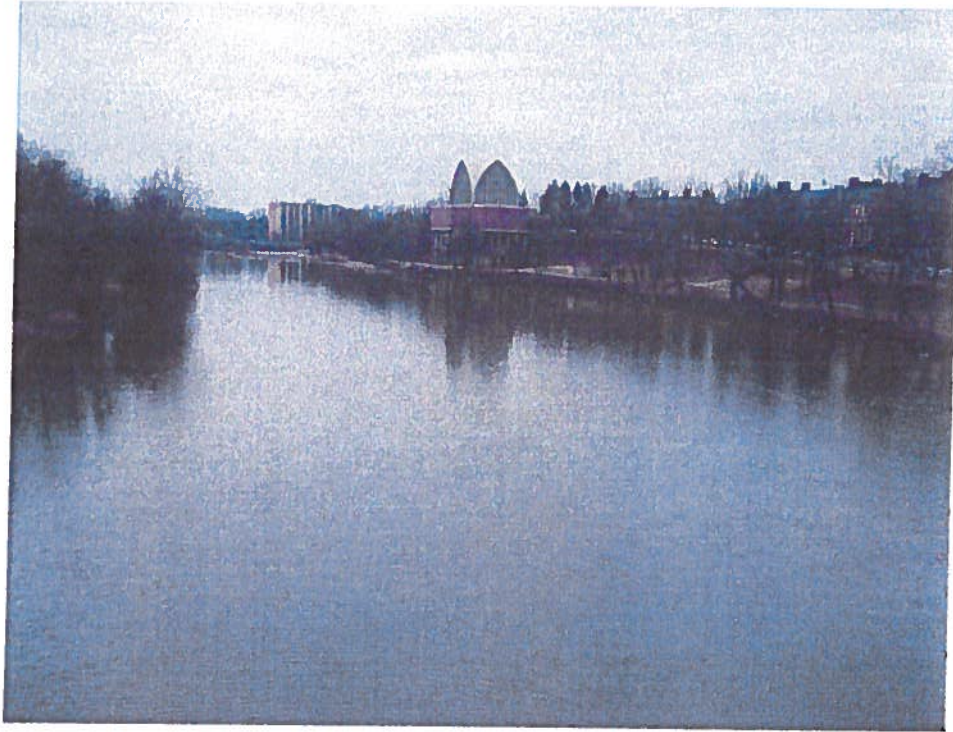


3. West Approach looking East

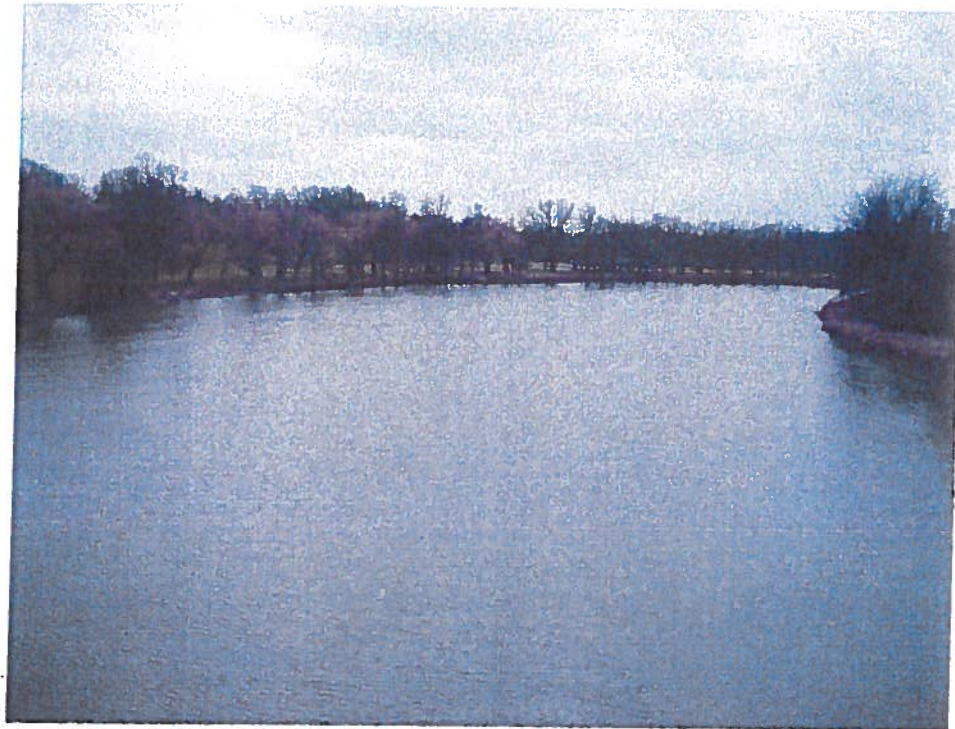


4. East Approach looking West

Elmwood Avenue Bridge over Genesee River
City of Rochester, New York
February 10, 2012



5. Looking South (Upstream)



6. Looking North (Downstream)



MEMORANDUM
DEPARTMENT OF TRANSPORTATION

TO: Frank DiCostanzo, Region Local Project Liaison
FROM: Chris Caraccilo, Regional Cultural Resource Coordinator
SUBJECT: PROJECT SUBMITTAL PACKAGE – SECTION 106 RECOMMENDATIONS
PIN 4755.32, Elmwood Avenue Bridge over the Genesee River-BIN 4025890,
City of Rochester, Monroe County
DATE: February 14, 2012

As the Regional Cultural Resource Coordinator (RCRC) I have reviewed the Project Submittal Package (PSP) prepared for the above referenced Locally-Administered Federal-Aid project for assessment of obligations under Section 106 of the National Historic Preservation Act (36 CFR Part 800).

Based on review of this PSP, I conclude:

- ☒ The project activities have no potential to cause effects on historic properties in accordance with 36 CFR 800.3(a)(1) therefore, there are no further obligations for compliance with Section 106 of the National Historic Preservation Act. This determination should be recorded in the project environmental documentation.
- ☐ The project activities may cause effects on historic properties. A Cultural Resource Survey is needed to identify historic and cultural resources.
- ☐ A Finding Documentation package is needed to assess the project effect on (a previously National Register (NR) listed property) _____.
- ☐ The following additional information is needed to complete our assessment:
 - ☐ Detailed project description
 - ☐ Project location map showing project limits (USGS Quad)
 - ☐ Photos of prior ground disturbance
 - ☐ Photos of buildings
 - ☐ Information from SHPO web site (archaeological sensitivity and NR listed buildings)
 - ☐ Other

APPENDIX F

Original IPP

TRANSPORTATION

INITIAL PROJECT PROPOSAL

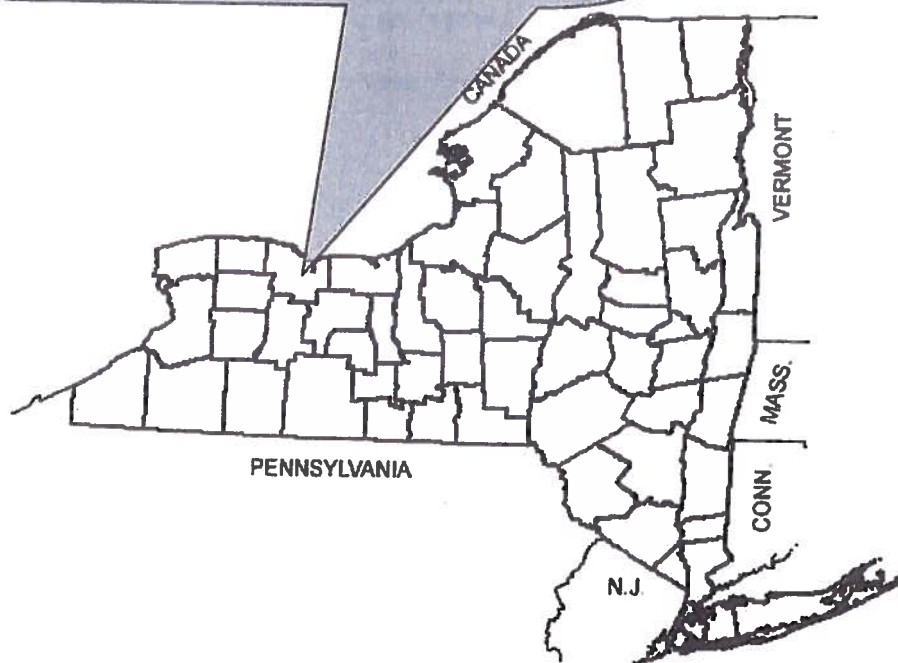
February 2011

PIN 475532

Elmwood Avenue Bridge over the Genesee River

BIN 3319310

City of Rochester, Monroe County



PROJECT REPORT

U.S. Department of Transportation Federal Highway Administration

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
Andrew Cuomo, Governor

Joan McDonald, Commissioner



PROJECT APPROVAL SHEET

(Pursuant to SAFETEA-LU Matrix)

Milestones**Signatures****Dates****A. Recommendation for
IPP Approval:**

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


Regional Program Manager4/4/11**B. IPP Approval:**The project is ready to be added to the Regional Capital Program and
project scoping can begin.
Regional Director4/6/11

PIN: 475532

PROJECT NAME: Preventive Maintenance for One Bridge in the City of Rochester

MUNICIPALITY: City of Rochester

COUNTY: Monroe

ROUTE/STATE HIGHWAY NUMBER: NA

BIN: 4025890, Elmwood Avenue Bridge over the Genesee River

LIMITS: Milepoints (2005): NA
Reference Markers: NA

PROJECT LENGTH: NA

FEDERAL AID SYSTEM: non-NHS FA

FUNCTIONAL CLASS: Urban Minor Arterial

EXISTING AADT: 25,212 (2006)

PERCENT TRUCKS: 4.5% (2006)

EXISTING CHARACTERISTICS OF CONCERN: Due to normal wear, this bridge is in need of certain corrective maintenance work in order to continue to function as designed. There are no critical characteristics of concern but chronic transverse cracking of the concrete deck is leading to spalling at the joints and some associated delamination.

ELEMENT**MEASURE/INDICATOR**

BIN 3319310

Condition Rating is 5.222; Sufficiency Rating is 53.0

- Substructure: 5 - Fair Condition
- Superstructure: 6 - Pretty Good Condition
- Deck: 5 - Fair Condition

PROJECT OBJECTIVE: This project would improve this bridge in order to extend its effective service life by 15 to 20 years.

PROJECT ELEMENTS TO BE INVESTIGATED:

- | | |
|--|---|
| <input checked="" 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"/> Other: |

PROPOSED WORK DESCRIPTION: The work to be undertaken would include full-depth repairs at isolated locations where spalling is occurring, scarifying the deck, and replacing expansion joints and bridge curbs.

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

FUNDING SOURCE☐ 100% State☒ Federal (HBRR)

ENVIRONMENTAL RECOMMENDED CLASSIFICATION:

PROJECTED ENVIRONMENTAL PROCESS:				
NEPA:	<input type="checkbox"/> No Federal Funds	<input checked="" type="checkbox"/> Class II, CE <input type="checkbox"/> CE/Auto <input 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 Checklist will be prepared during scoping/preliminary engineering:

- ☒ NEPA Checklist
☐ Regional Environmental Checklist
☐ Landscape Architectural/ Environmental Services IPP Report

MPO INVOLVEMENT: ☐ No ☒ Yes, TIP Name: PM on 1 Bridge in the City of Rochester
TIP Number: B11-21-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.

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

PLANNED PUBLIC INVOLVEMENT: A Public Involvement Plan indicating how the public will be made aware of the construction activities will be prepared during preliminary engineering.

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

PROBABLE SCHEDULE AND COST: Scoping (SLA execution and consultant acquisition) would begin in October 2012. Preliminary engineering would begin in February 2013; final design would begin in June 2013. The PS&E would be produced in October 2013 for a bid opening in December 2013. Contract award and construction start would be in February 2014. The estimated cost of design, construction, inspection, and administration is \$1,075,000.

DESIRED LETTING: 12/6/13

DESIRED CONSTRUCTION COMPLETION: 8/30/14

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:

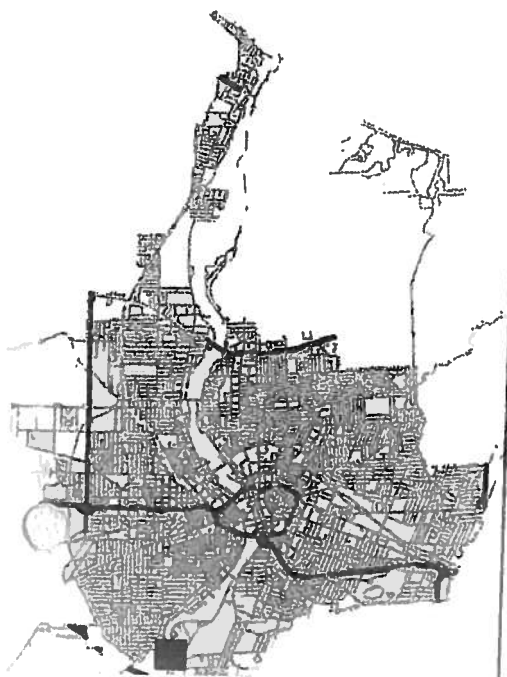
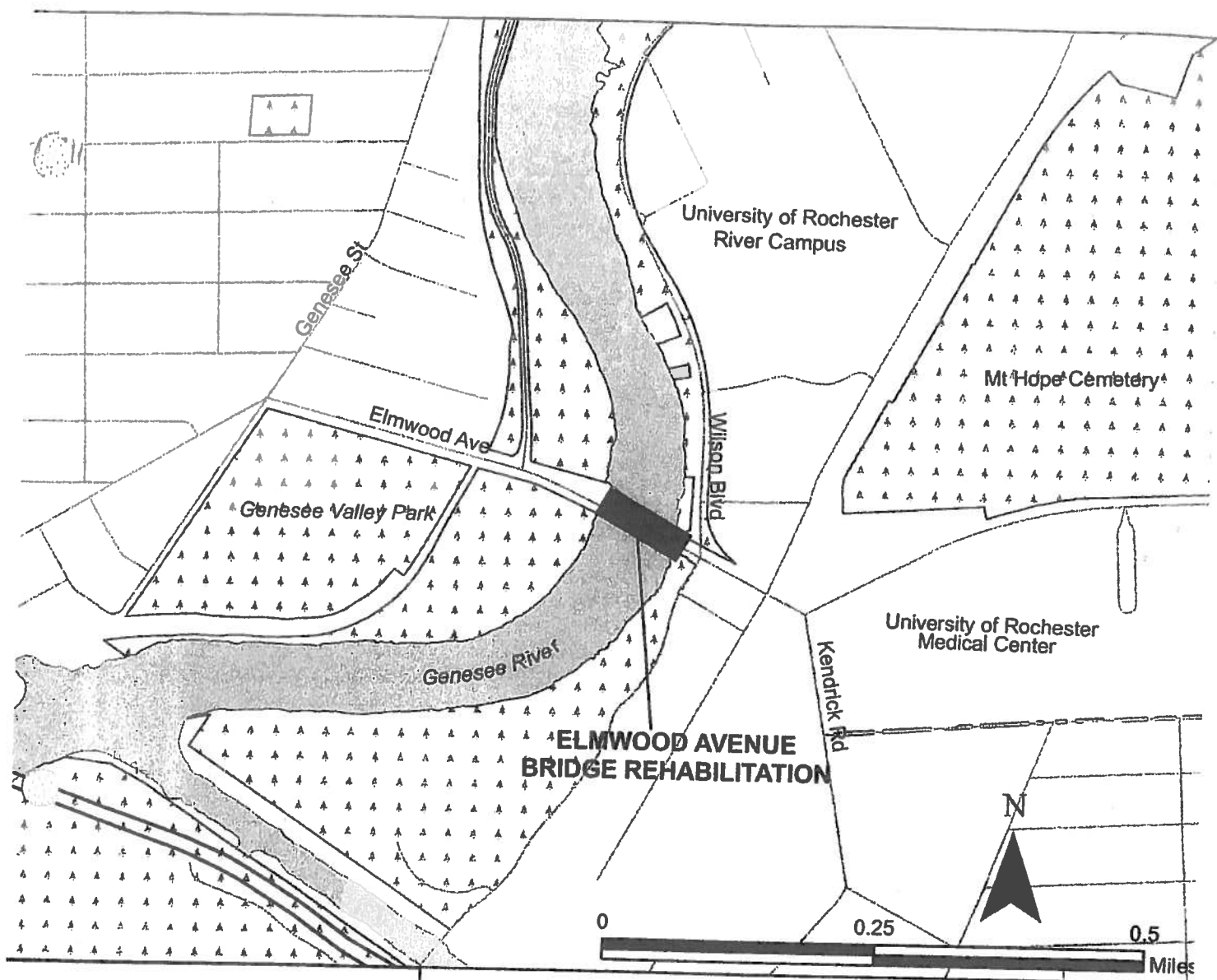
Project Phase	Activity Duration	Estimated Cost (\$m)	Fund Source	Obligation Date
Scoping	4 months	0.012	local	10/7/12
Preliminary Engineering	4 months	0.043	local	2/3/13
Final Design	4 months*	0.085	FA (HBP)	6/1/13
Construction	7 months**	0.850	FA (HBP)	10/6/13
Construction Inspection	7 months**	0.085	FA (HBP)	10/6/13
TOTAL		1.075		

* to PS&E (10/6/13) ** from award (2/6/14)

BASIS OF ESTIMATE: Sponsor's scoping report for its TIP application**PROJECT CATEGORY:** ☐ Simple ☒ Moderate ☐ Complex**STATEWIDE SIGNIFICANCE:** ☒ No ☐ Yes
Remarks:**ASSET MANAGEMENT:**

AM Team	IPP Initiator	Asset Specific Cost Share	Asset Team Specific Cost/Scope/Schedule/Concurrence
Local Projects	RPPM	\$850,000	Rick Papaj

ASSIGNED PROJECT MANAGER: Rick Papaj**PHONE:** 585 272 3466**FUNCTIONAL AREA:** Regional Planning and Program Management**IPP PREPARED BY:** Edwin Welsh**DATE:** 2/23/11



Elmwood Avenue Bridge Rehabilitation Project Location Map

FY 2011-2014 TIP

