

**CITY OF FLINT**  
**DEPARTMENT OF PURCHASES AND SUPPLIES**

City Hall  
1101 S. Saginaw Street, Rm 203 – Flint, Michigan 48502  
(810) 766-7340 FAX (810) 766-7240 [www.cityofflint.com](http://www.cityofflint.com)



Dr. Karen W. Weaver  
Mayor

**REQUEST FOR PROPOSAL**

**OWNER/RETURN TO:**

THE CITY OF FLINT  
DEPARTMENT OF PURCHASES AND SUPPLIES  
1101 S. SAGINAW ST., ROOM 203, 2nd FLOOR  
FLINT, MI 48502

PROPOSAL NUMBER: **200000551**

**SCOPE OF WORK**

The City of Flint, Finance Department - Division of Purchases and Supplies, is soliciting sealed bids for providing:

**BRIDGE #2840, FENTON ROAD OVER THREAD CREEK  
PRELIMINARY ENGINEERING**

Per all additional requirements.

If your firm is interested in providing the requested goods or services, please submit one (1) original and one (1) copy of your detailed bid to the City of Flint, Finance Department - Division of Purchases and Supplies, 1101 S. Saginaw St, Room 203, Flint, MI, 48502, **Wednesday, December 4, 2019, @ 1:00 PM (EST)**. Please note: all detailed bids received after 1:00 PM (EST) will not be considered. Bids must be in a sealed envelope clearly identifying the bid and bid number. Faxed bids into the Finance Department - Division of Purchase and Supplies are not accepted.

**All additional proposal documents, requirements, addendums, specifications, and plans/drawings (if utilized) are available on the Purchasing page of the City of Flint's web site at <https://www.cityofflint.com/finance/purchasing/bids-2/> under "open bids" and the specific bid or proposal number assigned to this notice.**

**If you are the low bidder and a new vendor, you will be required to submit an IRS W-9 Form and Vendor ACH Payment Authorization Form with the City of Flint.**

Bid results may be viewed next business day online EXCEPT when a bid is under review at <https://www.cityofflint.com/finance/purchasing/results/> under "view bid results".

Any questions regarding the proposal process may be directed to Joyce McClane, Purchasing Manager at [jmcclane@cityofflint.com](mailto:jmcclane@cityofflint.com) **no later than November 14, 2019, by 12:00 PM (EST)**

Sincerely,

A handwritten signature in cursive script that reads "Joyce A. McClane".

Joyce A. McClane, Purchasing Manager

## INSTRUCTIONS TO VENDORS

- 1) **PRE-BID INFORMATION AND QUESTIONS:** Each bid that is timely received will be evaluated on its merit and completeness of all requested information. In preparing bids, Bidders are advised to rely only upon the contents of this ITB and accompanying documents and any written clarifications or addenda issued by the City of Flint. If a Bidder finds a discrepancy, error or omission in the ITB package, or requires any written addendum thereto, the Bidder is requested to notify the Purchasing contact noted on the cover of this ITB, so that written clarification may be sent to all prospective Bidders. **THE CITY OF FLINT IS NOT RESPONSIBLE FOR ANY ORAL INSTRUCTIONS.**
  
- 2) **ITB MODIFICATIONS:** The City of Flint has the right to correct, modify or cancel the ITB, in whole or in part, or to reject any Bid, in whole or in part, within the discretion of the City of Flint, or their designee. If any such changes are made, all known recipients of the ITB will be sent a copy of such changes. If any changes are made to this ITB document by any party other than the City of Flint, the original document in the City of Flint's files takes precedence.
  
- 3) **BID SUBMISSION:**
  - a) The Bidder must include the following items, or the bid may be deemed non-responsive: i.e. All forms contained in this ITB, fully completed (including the notarized affidavit).
  - b) Bids must be submitted to the Finance Department - Purchasing and Supplies, City of Flint, 1101 S. Saginaw Street – Room 203, Flint, Michigan 48502 by the date and time indicated as the deadline. The Purchasing Department time stamp will determine the official receipt time. It is each Bidder's responsibility to insure that its bid is time stamped by the Purchasing Department by the deadline. This responsibility rests entirely with the Bidder, regardless of delays resulting from postal handling or for any other reasons. Bids will be accepted at any time during the normal course of business only, said hours being 8:00 a.m. to 5:00 p.m. Local Time, Monday through Friday, legal holidays as exception.
  - c) Bids must be enclosed in a sealed, non-transparent envelope, box or package, and clearly marked on the outside with the following: ITB Title, ITB Number, Deadline and Bidder's name.
  - d) Submission of a bid establishes a conclusive presumption that the Bidder is thoroughly familiar with the Invitation to Bid (ITB), and that the Bidder understands and agrees to abide by each and all of the stipulations and requirements contained therein.
  - e) All prices and notations must be typed or printed in ink. No erasures are permitted. Mistakes may be crossed out and corrections must be initialed in ink by the person(s) signing the bid.
  - f) Bids sent by email, facsimile or other electronic means will not be considered unless specifically authorized in this ITB.
  - g) All costs incurred in the preparation and presentation of the bid are the Bidder's sole responsibility; no pre-bid costs will be reimbursed to any Bidder. All documentation submitted with the bid will become the property of the City of Flint.
  - h) Bids must be held firm for a minimum of 120 days.

- i) Term - Contract and/or all other procurement documents shall be effective until completed to the satisfaction of the City of Flint. The City of Flint reserves the right to cancel or not renew all or any part of the procurement agreement/contract at any time.
  
- 4) **EXCEPTIONS:** Bidder shall clearly identify any proposed deviations from the Terms or Scope in the Invitation for Bid. Each exception must be clearly defined and referenced to the proper paragraph in this ITB. The exception shall include, at a minimum, the Bidder's proposed substitute language and opinion as to why the suggested substitution will provide equivalent or better service and performance. If no exceptions are noted in the Bidder's bid, the City of Flint will assume complete conformance with this specification and the successful Bidder will be required to perform accordingly. Bids not meeting all requirements may be rejected.
  
- 5) **DUPLICATE BIDS:** No more than one (1) bid from any Bidder, including its subsidiaries, affiliated companies and franchises will be considered by the City of Flint. In the event multiple bids are submitted in violation of this provision, the City will have the right to determine which bid will be considered, or at its sole option, reject all such multiple bids.
  
- 6) **WITHDRAWAL:** Bids may only be withdrawn by written notice prior to the date and time set for the opening of bids. No Bid may be withdrawn after the deadline for submission.
  
- 7) **REJECTION/GOOD STANDING:** The City of Flint reserves the right to reject any or all bids, or to accept or reject any bid in part, and to waive any minor informality or irregularity in bids received if it is determined by the City of Flint, or their designee, that the best interest of the City will be served by doing so. No Bid will be considered from any person, firm or corporation in arrears or in default to the City on any contract, debt, taxes or other obligation, or if the Bidder is debarred by the City of Flint from consideration for a contract award pursuant to Section 18-21.5 (d) of Article IV of the "Purchasing Ordinance of the City of Flint.
  
- 8) **PROCUREMENT POLICY:** Procurement for the City of Flint will be handled in a manner providing fair opportunity to all businesses. This will be accomplished without abrogation or sacrifice of quality and as determined to be in the best interest of the City. The City of Flint and their officials have the vested authority to execute a contract, subject to City Council and Mayoral approval where required.
  
- 9) **BID SIGNATURES:** Bids must be signed by an authorized official of the Bidder. Each signature represents binding commitment upon the Bidder to provide the goods and/or services offered to the City of Flint if the Bidder is determined to be the lowest Responsive and Responsible Bidder.
  
- 10) **CONTRACT AWARD/SPLIT AWARDS:** The City of Flint reserves the right to award by item, group of items, or total. The Bidder to whom the award is made will be notified at the earliest possible date. Tentative acceptance of the bid, intent to recommend award of a contract, and actual award of the contract will be provided by written notice sent to the Bidder at the address designated in the bid if a separate Agreement is required to be executed. After a final award of the Agreement by the City of Flint, the Contractor/Vendor must execute and perform said Agreement. All bids must be firm for at least 120 days from the due date of the bid. If, for any reason, a contract is not executed with the selected Bidder within 14 days after notice of recommendation for award, then the City may recommend the next lowest responsive and responsible Bidder.

- 11) **NO ITB RESPONSE:** Bidders who receive this ITB but who do not submit a bid should return this ITB package stating "No Bid" and are encouraged to list the reason(s) for not responding. Failure to return this form may result in removal of the Bidder's name from all bidder lists.
- 12) **FREEDOM OF INFORMATION ACT REQUIREMENTS:** Bids are subject to public disclosure after the deadline for submission in accordance with state law.
- 13) **ARBITRATION:** Contractor/Vendor agrees to submit to arbitration all claims, counterclaims, disputes and other matters in question arising out of or relating to this agreement or the breach thereof. The Contractor's agreement to arbitrate shall be specifically enforceable under the prevailing law of any court having jurisdiction to hear such matters. Contractor's obligation to submit to arbitration shall be subject to the following provisions:
  - (a) Notice of demand for arbitration must be submitted to the City in writing within a reasonable time after the claim; dispute or other matter in question has arisen. A reasonable time is hereby determined to be fourteen (14) days from the date the party demanding the arbitration knows or should have known the facts giving rise to his claim, dispute or question. In no event may the demand for arbitration be made after the time when institution of legal or equitable proceedings based on such claim dispute or other matters in question would be barred by the applicable statute of limitation.
  - (b) Within fourteen (14) days from the date demand for arbitration is received by the City, each party shall submit to the other the name of one person to serve as an arbitrator. The two arbitrators together shall then select a third person; the three together shall then serve as a panel in all proceedings. Any decision concurred in by a majority of the three shall be a final binding decision.
  - (c) The final decision rendered by said arbitrators shall be binding and conclusive and shall be subject to specific enforcement by a court of competent jurisdiction.
  - (d) The costs of the arbitration shall be split and borne equally between the parties and such costs are not subject to shifting by the arbitrator.
  - (e) These provisions shall survive the termination or expiration of any agreement entered into as a result of this request.
- 14) **BID HOLD:** The City of Flint may hold bids for a period of one hundred twenty - (120) days from opening, for the purpose of reviewing the results and investigating the qualifications of bidders prior to making an award.
- 15) **NONCOMPLIANCE:** Failure to deliver in accordance with specifications will be cause for the City of Flint and they may cancel the contract or any part thereof and purchase on the open market, charging any additional cost to the Contractor/Vendor.
- 16) **DISCLAIMER OF CONTRACTUAL RELATIONSHIP:** Nothing contained in these documents shall create any contractual relationship between the City and any Subcontractor or Sub-subcontractor.
- 17) **ERRORS AND OMISSIONS:** Bidder is not permitted to take advantage of any obvious errors or omissions in specifications.

- 18) **INTERPRETATION:** In the event that any provision contained herein shall be determined by a court of competent jurisdiction or an appropriate administrative tribunal to be contrary to the provision of law or to be unenforceable for any reason, then, to the extent necessary and possible to render the remainder of this Agreement enforceable, such provision may be modified or severed by such court or administrative tribunal having jurisdiction over this Agreement and the interpretation thereof, or the parties hereto, so as to, as nearly as possible, carry out the intention of the parties hereto, considering the purpose of the entire Agreement in relation to such provision.
- 19) **LAWS AND ORDINANCES:** The bidder shall obey and abide by all of the laws, rules and regulations of the Federal Government, State of Michigan, Genesee County and the City of Flint, applicable to the performance of this agreement, including, but not limited to, labor laws, and laws regulating or applying to public improvement, local government, and its operational requirements.
- 20) **LOCAL PREFERENCE:** Proposers/bidders located within the corporate city limits of Flint, Michigan may be given a seven percent (7%) competitive price advantage. Additionally, if the lowest responsible bidder is not located within the limits of the City of Flint, but is located within the County of Genesee, and said bidder does not exceed the bid of the lowest non-local bidder by more than three and one-half percent (3-1/2%), then said lowest Genesee County bidder may be determined to be the lowest responsible bidder, and make the award to such Genesee County bidder accordingly, subject to the approval of the city council. If the lowest non-local bidder does not exceed that of any proposers/bidders by (7%) inside the City of Flint or (3-1/2%) inside the County of Genesee, then the Purchasing Director shall be allowed to request that the lowest local vendor match the price offered by the lowest non-local vendor.
- 21) **MATERIAL WORKMANSHIP AND STANDARDS OF PERFORMANCE:** The bidder agrees to exercise independent judgment and to complete performance under this Agreement in accordance with sound professional practices. In entering into this Agreement, the City is relying upon the professional reputation, experience, certification and ability of the bidder. The bidder agrees that all of the obligations required by him/her pursuant to this Agreement shall be performed by him/her or by other employed by him/her and working under his/her direction and control. The continued effectiveness of this Agreement during its term or any renewal term shall be contingent, in part, upon the bidder maintaining his operating qualifications in accordance with the requirements of federal, state and local laws. All materials furnished must be new, of latest model and standard first grade quality, or best workmanship and design, unless otherwise expressly specified. Bidder, if required, must furnish satisfactory evidence of quality materials; offers of experimental or unproven equipment may be disregarded.
- 22) **MODIFICATIONS/CHANGES/PRICE VARIATIONS:** Any modification to this agreement must be in writing and signed by the authorized employee, officer, board or council representative authorized to make such modifications pursuant to the State law and local ordinances. Commodities subject to market price variation shall be considered on all term agreements subject to a 30-day advance written notification from the vendor. Such notice must be substantiated by a written price change from the manufacturer and shall be required for both price increases and decreases.
- 23) **NON-COLLUSION:** The bidder acknowledges that by signing this document that he/she is duly authorized to make said offer on behalf of the company he/she represents and that said bid is genuine and not sham or collusive and not made in the interests or on behalf of any person not therein named, and that he/she and said bidder have not directly induced or solicited any other person(s) or corporation to refrain from responding to this solicitation and that he/she and said bidder have not in any manner sought by collusion to secure to himself/herself and said bidder any advantage over any other bidder.

- 24) **NON-DISCRIMINATION:** Pursuant to the requirements of 1976 P.A. 453 (Michigan Civil Rights Act) and 1976 P.A. 220 (Michigan Handicapped Rights Act), the local unit and its agent agree not to discriminate against any employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment or a matter directly or indirectly related to employment because of race, color, religion, national origin, age, sex, height, weight, marital status or because of a handicap that is unrelated to the person's ability to perform the duties of nondiscrimination provision identical to this provision and binding upon any and all contractors and subcontractors. A breach of this covenant shall be regarded as a material breach of this contract.
- 25) **SUBCONTRACTING:** No subcontract work shall be started prior to the written approval of the subcontractor by the City. The City reserves the right to accept or reject any subcontractor.
- 26) **UNION COMPLIANCE:** Contractor agrees to comply with all regulations and requirements of any national or local union(s) that may have jurisdiction over any of the materials, facilities, services or personnel to be furnished by the City.
- 27) **WAIVER:** Failure of the City to insist upon strict compliance with any of the terms, covenants or conditions of this Agreement shall not be deemed a waiver of that term, covenant or condition or of any other term, covenant or condition. Any waiver or relinquishment of any right or power hereunder at any one or more times shall not be deemed a waiver or relinquishment of that right or power at any other time.
- 28) **CITY INCOME TAX WITHHOLDING:** Contractor and any subcontractor engaged in this contract shall withhold from each payment to his employees the City income tax on all of their compensation subject to tax, after giving effect to exemptions, as follows:
- (a) Residents of the City:  
At a rate equal to 1% of all compensation paid to the employee who is a resident of the City of Flint.
  - (b) Non-residents:  
At a rate equal to 1/2% of the compensation paid to the employee for work done or services performed in the City of Flint.
- These taxes shall be held in trust and paid over to the City of Flint in accordance with City ordinances and State law. Any failure to do so shall constitute a substantial and material breach of this contract.
- 29) **CONTRACT/PROCUREMENT DOCUMENTS:** The invitation for bids, instructions to bidders, proposal, affidavit, addenda (if any), statement of bidder's qualifications (when required), general conditions, special conditions, performance bond, labor and material payment bond, insurance certificates, (if required), technical specifications, and drawings, together with this agreement, form the contract, and they are as fully a part of the contract as if attached hereto or repeated herein.
- 30) **DISCLAIMER OF CONTRACTUAL RELATIONSHIP WITH SUBCONTRACTORS:** Nothing contained in the Contract Documents shall create any contractual relationship between the City and any Subcontractor or Sub-subcontractor.
- 31) **EFFECTIVE DATE:** Any agreement between the City and the contractor shall be effective upon the date that it is executed by all parties hereto.

- 32) **FORCE MAJEURE:** Neither party shall be responsible for damages or delays caused by Force Majeure nor other events beyond the control of the other party and which could not reasonably have anticipated the control of the other party and which could not reasonably have been anticipated or prevented. For purposes of this Agreement, Force Majeure includes, but is not limited to, adverse weather conditions, floods, epidemics, war, riot, strikes, lockouts, and other industrial disturbances; unknown site conditions, accidents, sabotage, fire, and acts of God. Should Force Majeure occur, the parties shall mutually agree on the terms and conditions upon which the services may continue.
- 33) **INDEMNIFICATION:** To the fullest extent permitted by law, Contractor agrees to defend, pay on behalf of, indemnify, and hold harmless the City of Flint, its elected and appointed officials, employees and volunteers and others working on behalf of the City of Flint, including the Project Manager, against any and all claims, demands, suits, or losses, including all costs connected therewith, and for any damages which may be asserted, claimed, or recovered against or from the City of Flint, its elected and appointed officials, employees, volunteers or others working on behalf of the City of Flint, by reason of personal injury, including bodily injury or death and/or property damage, including loss of use thereof, which may arise as a result of Contractor's acts, omissions, faults, and negligence or that of any of his employees, agents, and representatives in connection with the performance of this contract. Should the Contractor fail to indemnify the City in the above-mentioned circumstances, the City may exercise its option to deduct the cost that it incurs from the contract price forthwith.
- 34) **INDEPENDENT CONTRACTOR:** No provision of this contract shall be construed as creating an employer-employee relationship. It is hereby expressly understood and agreed that Contractor is an "independent contractor" as that phrase has been defined and interpreted by the courts of the State of Michigan and, as such, Contractor is not entitled to any benefits not otherwise specified herein.
- 35) **NO THIRD-PARTY BENEFICIARY:** No contractor, subcontractor, mechanic, material man, laborer, vendor, or other person dealing with the principal Contractor shall be, nor shall any of them be deemed to be, third-party beneficiaries of this contract, but each such person shall be deemed to have agreed (a) that they shall look to the principal Contractor as their sole source of recovery if not paid, and (b) except as otherwise agreed to by the principal Contractor and any such person in writing, they may not enter any claim or bring any such action against the City under any circumstances. Except as provided by law, or as otherwise agreed to in writing between the City and such person, each such person shall be deemed to have waived in writing all rights to seek redress from the City under any circumstances whatsoever.
- 36) **NON-ASSIGNABILITY:** Contractor shall not assign or transfer any interest in this contract without the prior written consent of the City provided, however, that claims for money due or to become due to Contractor from the City under this contract may be assigned to a bank, trust company, or other financial institution without such approval. Notice of any such assignment or transfer shall be furnished promptly to the City.
- 37) **NON-DISCLOSURE/CONFIDENTIALITY:** Contractor agrees that the documents identified herein as the contract documents are confidential information intended for the sole use of the City and that Contractor will not disclose any such information, or in any other way make such documents public, without the express written approval of the City or the order of the court of appropriate jurisdiction or as required by the laws of the State of Michigan.

- 38) **RECORDS PROPERTY OF CITY:** All documents, information, reports and the like prepared or generated by Contractor as a result of this contract shall become the sole property of the City of Flint.
- 39) **SEVERABILITY:** In the event that any provision contained herein shall be determined by a court or administrative tribunal to be contrary to a provision of state or federal law or to be unenforceable for any reason, then, to the extent necessary and possible to render the remainder of this Agreement enforceable, such provision may be modified or severed by such court or administrative tribunal so as to, as nearly as possible, carry out the intention of the parties hereto, considering the purpose of the entire Agreement in relation to such provision. The invalidation of one or more terms of this contract shall not affect the validity of the remaining terms.
- 40) **TERMINATION:** This contract may be terminated by either party hereto by submitting a notice of termination to the other party. Such notice shall be in writing and shall be effective 30 days from the date it is submitted unless otherwise agreed to by the parties hereto. Contractor, upon receiving such notice and prorated payment upon termination of this contract shall give to the City all pertinent records, data, and information created up to the date of termination to which the City, under the terms of this contract, is entitled.
- 41) **TIME PERFORMANCE:** Contractor's services shall commence immediately upon receipt of the notice to proceed and shall be carried out forthwith and without reasonable delay.
- 42) **EVALUATION OF BIDS/PROPOSALS:** In the City's evaluation of bids/proposals, at minimum; cost, serviceability, financial stability, and all requirements set forth in this document shall be considered as selection and award criteria unless otherwise as specified.





**CITY OF FLINT  
DEPT. OF PURCHASES & SUPPLIES**

**THE SCOPE OF WORK FOR BRIDGE #2840, FENTON ROAD OVER  
THREAD CREEK PRELIMINARY ENGINEERING**

**PROJECT LOCATION: (Map Attached)**

1. Fenton Road Bridge over Thread Creek
2. Attached Bridge Inspection

**SCOPE OF WORK:**

This construction project is scheduled to start in the year 2021 as an MDOT Bid Project. This project is a full bridge replacement. Preliminary Engineering Firm will be required to complete a mussel survey and relocation if necessary. Asbestos inspection and testing. Completion of all permits including NEPA. The bridge is partially within the MDOT right of way under I-69. The design must be able to demo the total existing bridge and be able to be constructed a new bridge without affecting the I-69 overpass bridge. This will require:

Proposed work includes:

- This project must be able to go to the MDOT bid by the start of 2021.
- Complete all permitting requirements including NEPA Permit ASAP.
- FAA and Bishop Airport permits for airspace and maximum crane elevation at the location.
- All EGLE environmental permits with an 800-foot buffer beyond limits of the project.
- SHPO complete submissions.
- Determine structure replacements and adjustments.
- Completing a mussel survey and relocation if needed. (Must meet MDOT requirements.)
- Asbestos inspection and testing and plans and specification for removal if detected.
- Determine and complete all permits and approvals needed by MDOT for Bids and to start the construction.
- Compile all historical information and reports needed for this project.
- Total topographic survey of the project limits, at a minimum, to include ROW within project limits and 100' beyond the POB and POE and side streets. An additional 20' beyond ROW in creek and banks is desired.
- Geotechnical subgrade investigation as needed, sampling shall meet the MDOT sampling frequencies for core/borings to a depth required.
- Coordinate with any and all utilities that may be affected by this project.
- Field verify all utilities including location and depth within the scope of the bridge.
- Design any City of Flint utility relocations and abandonments.
- Design a new bridge that can be constructed at this location
- Complete all AutoCAD drawing and design work.
- Design the new bridge to included sidewalks.
- Design proper approaches to the bridge
- Correct any drainage issues.

- Pavement markings plans.
- Traffic signage plans.
- All sidewalk ramps and associated sidewalk and curb to meet ADA guidelines.
- Develop all project specifications and quantities for the project
- Determine and Design any guardrail requirements for bridge approaches.
- Project restoration plan and specifications.
- Engineering Cost Estimate for the total project.
- Develop an estimated scheduling plan.
- The design will also create work phases to minimize the impact on the businesses and the community.
- The Engineering Firm will be required to have a minimum Bi-weekly progress update meeting or email on the design and the budget with the City Engineer and/or the Transportation Manager throughout this PE-Design Project.
- Provide all drawings, calculations, documentation, permits and all electronic AutoCadd files, shapefiles and survey files, needed for the completion and success of the Construction of the Fenton Road Bridge #2840 Project.
- Preliminary Engineering firm will answer any questions about design if requested during the Construction phase at no additional cost.

**ANTICIPATED SERVICE START DATE:**

January 2020

**PROJECT COORDINATION:**

The Consultant shall be responsible for project coordination with the City of Flint, MDOT, EGLE, Consumers Energy, Comcast, AT&T, MTA, and any other applicable utilities/businesses.

**CITY OF FLINT – CITY ENGINEER/PROJECT MANAGER:**

Mark Adas, P.E.  
 City of Flint – DPW  
 1101 S. Saginaw St. (North Bldg)  
 Flint, MI 48501  
 (810) 766-7165, ext 2603  
 (810) 610-7771 cell  
 madas@cityofflint.com

**REQUIRED MDOT GUIDELINES AND STANDARDS:**

Work shall conform to current MDOT, FHWA, and AASHTO practices, guidelines, policies, and standards (i.e., Road Design Manual, Standard Plans, Published MDOT Design Advisories, Bridge Design Manual, Drainage Manual, Roadside Design Guide, A Policy on Geometric Design of Highways and Streets, Michigan Manual of Uniform Traffic Control Devices, etc.).

The Consultant is required to use a design program that is compatible with MDOT. The consultant shall comply with all MDOT CADD standards and file naming conventions.

**CONSULTANT RESPONSIBILITIES:**

Complete the design of this project including, but not limited to the following:

- A. The Consultant must adhere to all applicable OSHA and MIOSHA safety standards, including the appropriate traffic signs for the activities and conditions for this job.
- B. Meet with the City Engineer/Project Manager to review the project, location of data sources and contact persons. The Consultant shall review and clarify project issues, data needs, and availability, and the sequence of events and team meetings that are essential to complete the design by the project plan completion date. Attention shall be given to critical target dates that may require a large lead time, such as, mussel survey and relocation, NEPA, geotechnical requirements, EGLE Permits, MDOT Right of Way Permits, Genesee County Drain Commissioner Soil Erosion and Sedimentation Control Permits, utility conflict resolution, local agency meetings, etc.

### **General Requirements**

This is a City of Flint MDOT project, therefore the Consultant shall enter in the appropriate folders all electronic files associated with the project in their native format (spreadsheets, CADD files, GEOPAK files, Roadway Designer Templates, etc.) as directed by the MDOT Project Manager. All CADD/GEOPAK files shall be created and identified with standard State and Federal file names. It is the Consultant's responsibility to obtain up to date Computer Programs and standards to meet State and Federal requirements. All computer programs that do not meet State or Federal standards will be returned to the Consultant for correction at the Consultant's expense.

Proposal documents shall be submitted to City Engineer, in the appropriate folders, in their native format with standard naming conventions as well as combined into one PDF file in the sequence specified by State and Federal Agencies. To provide text search capabilities the combined proposal shall be created by converting native electronic files to PDF. Scanning to PDF is discouraged except in instances where it is necessary to capture a legally signed document or a hard copy version of a document is all that exists.

Plan sheets shall be submitted to the City of Flint, Two copies on 24" X 36" prints, three copies on 11" X 17" prints and two electronic copies on separate flash drives. All the electronic plans copies shall be put into appropriate folders in a PDF 24" x 36" format and for the final Turn-In plan, a title sheet shall be printed, signed, sealed, and then scanned for inclusion with the PDF set. Three paper copies and one electronic copy of all specifications and supplements will be provided to the City of Flint.

Preliminary Engineer will supply all information needed for MDOT Bidding and complete the construction phase of the project, supply additional drawing sets and electronic CADD drawings to Contractors and to future Construction Engineering Firm if requested by the City of Flint.

Preliminary Engineer Firm will cooperate and supply any additional information requested during constructions of the bridge project as part of the not to exceed bid price.

Stand Alone Proposal Estimator's Worksheet (SAPW) shall be used to generate the TXT. and XML. files necessary for import into the Trns\*port bid letting software. The SAPW files shall be entered into MDOT ProjectWise in the appropriate folder.

All plans, special provisions, estimates, and other project-related items shall meet all requirements and detailing practices (i.e., format, materials, symbols, patterns, and layout) or as otherwise directed by the City Engineer/Project Manager. All plans, specifications, and other project-related items are subject to review and approval by the City Engineer/Project Manager.

Not to exceed cost will include all mileage, travel time, permits, printing, and all related cost.

The engineering consultant firm will include a separate sealed bid with not to exceed cost estimate for

preliminary engineering services, a separate sheet with not to exceed cost estimate for mussel relocation if needed and a separate sheet with hourly rates for personnel that the firm plans to use will be included in the sealed envelope. The sealed envelope will be marked with the firms' name and the wording "SEALED COST ESTIMATE" on the outside of the envelope.

All billings for services must be itemized correctly and directed to the City of Flint and follow the format guidelines (Payment may be delayed or decreased if the instructions are not followed):

Payment to the Consultant for services rendered shall not exceed the maximum amount unless an increase is approved in accordance with the contract with the Consultant. Typically, billings must be submitted within 30 days after the completion of services for the current billing. The final billing must be received within 30 days of the completion of services.

Monthly progress payments will be processed upon providing justification for the actual hours and expenses with total payment not to exceed Bid price. All travel expenses, equipment, fee, and permits shall be included in the not to exceed bid price.

**NOTE: All CADD, SHAPE, CALCULATIONS, INVESTIGATION AND SPECIFICATION FILES CREATED FOR THIS PROJECT ARE THE SOLE PROPERTY OF THE CITY OF FLINT.**

#### **PROPOSAL FORMAT AND EVALUATION/SELECTION CRITERIA:**

Proposals shall contain a clear, accurate, and detailed description of the scope of work, technical requirements, and qualifications of the consultants necessary for the service to be rendered. It should detail the services to be performed, deliverables to be provided, estimated schedule for performance of the work and applicable standards, specifications, and policies. Proposals should be prepared economically using 11-point font and single-sided paper. One bound original copy, one unbound copy and one flash drive with an electronic copy. Flash drive will have your firms name and project name attached. Respondents should organize proposals into the following sections: Sealed envelop with Cost Estimate must be included with the proposals. { Maximum total points 230}

A. Title Page and Table of Contents (pages 1 and 2) [Table of Contents must have a location page number for each section] All pages must be numbered.

B. Professional Qualifications –

1. State full name and address of your organization, the office location where work will be performed. Include the history of the firm and types of engineering services provided. Identify the technical details which make the firm uniquely qualified for this project. (Title this section B1. Firms History) [ 13 points maximum]
2. Include the names of executive and professional personnel by skill and qualifications that will be employed in the work. Show where the personnel will be physically located during the time they are engaged in the work. Identify the individuals you consider key to the success of this project. Provide resumes (2-page maximum) for each key project personnel, including Firm or divers doing mussel survey, surveyors MDOT Certified Office Manager and any other sub-consultant(s). (Title this section B2. Professional Qualifications) [15 points maximum]

C. Past Involvement with Similar Projects –

1. Provide a minimum of 3 bridge design projects that showcase similar experience to the

project being proposed. Showcase projects must have been designed and completed within the last 8 years by someone still on staff. Indicate proven ability in developing detailed designs and implementing similar projects for the firm and the individual involved in the project. (Title this section C1. Showcase Project) [ 25 points maximum].

2. The showcase bridge project must include design & engineering for federally funded bridge projects. The key project personnel named in this proposal must be shown on some of the projects provided in this section. The similar showcase project should also indicate the ability to have the bridge projects engineering estimate be within 10% of the winning contractor's bid price. Please show both the engineering estimate and the contractor's bid price. (Title this section C2. Estimates) [25 points maximum].
3. A summary of the showcase bridge projects with the original deadline and cost estimate versus the actual design completion and final costs of the bridge is required. Explain any increases or decreases in cost. (Title this section C3. Comparison Time and Budget) [ 25 points maximum]
4. Provide at least three (3) references for similar bridge projects including their contact name, agency, telephone number, email address, and project name. (Title this section C4. References) [ 12 points maximum]

D. Proposed Work Plan –

1. Provide a detailed work plan, which lists all tasks determined to be necessary to accomplish the work of this bridge project. The work plan shall be sufficiently detailed and clear to identify the progress milestones including when project tasks and deliverables a timeline and schedule for design depicting the sequence and duration of tasks showing how the work will be organized and executed. Include, mussel survey, mussel relocation if needed, permits, NEPA, site surveying, etc..... (Title this section D1. Timeline) [ 30 points maximum]
2. Include information that may not have been requested or identified that your firm believes is pertinent to the success of this bridge project. (Title this section D2. Pertinent Information) [ 25 points maximum].
3. What are the biggest challenges for this bridge design project for your firm? ( Title this section D3. Challenges) [20 points maximum].
4. How will your firm meet the above challenges? (Title this section D4. Overcoming) [20 points maximum].
5. Provide detail of what Quality Control and Quality Assurance you will be utilized in the design of this bridge project. (Title this section D5. QC/QA) [ 10 points maximum]

[10 points maximum for the following all the instructions]

The written proposal shall be evaluated on the clarity and content of their responses. The evaluators will include the City Engineer, Transportation Director, and DPW.

**Not to Exceed Pricing to include everything needed to get Project though the MDOT Bids and any transfer of information to complete the Construction of Plans as Designed.**



**Scoring Sheet for Preliminary Engineering Fenton Road Bridge**

**210 Max Points for Qualification Evaluation Section**

Qualification Evaluation Category's	
Stated the full name and address of their organization, including their office location where work will be performed. Added the history of their firm and types of engineering services they provided. Identified the technical details for which their firm is uniquely qualified for this project. (Title this section B1. Firms History) [6 points maximum for Location, 7 points maximum for history and technical qualifications][13 points maximum for this section]	
Included the names of their executive and professional personnel by skill and qualifications that will be employed for this bridge project. Showed where each person will be physically located during the time they are engaged in the work. Identified the individuals they consider key to the success of this bridge project. Provide resumes (2-page maximum) for each key bridge project personnel, including Firm or divers doing mussel survey, surveyors, MDOT Certified Office Manager and any other sub-consultant(s). (Title this section B2. Professional Qualifications) [15 points maximum]	
They provided a minimum of 3 bridge design projects that showcase similar experience to the project being proposed. The showcase bridge projects must have been designed and completed within the last 8 years by someone still on their staff. Indicated proven abilities in developing detailed designs and implementing similar bridge projects for their firm and indicated the individual involved in the bridge project. (Title this section C1. Showcase Project) [ 25 points maximum].	
They showcased bridge projects that include design & engineering for federally funded bridge projects. Their key bridge project personnel named in their proposal was shown on some of the showcase bridge projects provided in this section. Their showcased bridge projects indicated their firms abilities to have a bridge projects engineering estimate be within 10% of the winning contractor's bid price. They showed both the engineering estimate and the contractor's bid price. ( Title this section C2. Estimates) [25 points maximum].	
Their showcase bridge projects showed the original deadline and cost estimate versus the actual design completion and final costs of the bridges. They explained any increases or decreases in cost. ( Title this section C3. Comparison Time and Budget) [ 25 points maximum]	
They provided at least three (3) references for similar bridge projects that included a contact name, name of agency, contacts telephone numbers, contacts email addresses, and the project names. ( Title this section C4. References) [ 12 points maximum]	
They provided a detailed work plan, which lists all tasks they determined to be necessary to accomplish the work of this bridge project. Their work plan is sufficiently detailed and clearly identifies their progress milestones and included when the project tasks are to be completed. Their timeline and schedule for design depicted the sequence and duration of each tasks, showed how their work will be organized and executed. Their schedule included, mussel survey, mussel relocation if needed, permits, NEPA, site surveying, etc..... ( Title this section D1. Timeline) [ 30 points maximum]	
They identified information that may not have been requested or identified that they believed was pertinent to the success of this bridge project. ( Title this section D2. Pertinent Information) [ 25 points maximum].	
They indicated what their biggest challenges for this bridge design project was for their firm. Agree or disagree? ( Title this section D3. Challenges) [20 points maximum].	
They have a plan to meet the above challenges. (Title this section D4. Overcoming) [20 points maximum].	
They have provided a qualified detail plan for the Quality Control and Quality Assurance for this bridge project. ( Title this section D5. QC/QA) [ 10 points maximum]	
They have followed the instructions given in this RFP. [10 points maximum]	
<b>Total Qualifications Evaluation Points</b>	

**CITY OF FLINT**  
**DEPARTMENT OF PURCHASES AND SUPPLIES**

City Hall  
1101 S. Saginaw Street, Rm 203 – Flint, Michigan 48502  
(810) 766-7340 FAX (810) 766-7240 [www.cityofflint.com](http://www.cityofflint.com)

**THIS PAGE MUST BE COMPLETED AND INCLUDED WITH SUBMITTAL:**

The undersigned hereby certifies, on behalf of the respondent named in this Certification (the "Respondent"), that the information provided in this offer submitted to the City of Flint is accurate and complete, and that I am duly authorized to submit same. I hereby certify that the Respondent has reviewed all documents and requirements included in this offer and accept its terms and conditions.

Cash Discounts will be computed from the date of receipt of invoice. Prices firm unless stated otherwise by bidder. Delivery can be made in ( ) days ARO (after receipt of order).

Payment Terms: \_\_\_\_\_ Delivery Dest.: \_\_\_\_\_ Fed. ID #: \_\_\_\_\_  
(All Freight Terms are considered F.O.B., Prepaid unless otherwise noted by seller)

COMPANY NAME (Respondent): \_\_\_\_\_  
(Printed)

ADDRESS : \_\_\_\_\_

CITY/STATE/ZIP : \_\_\_\_\_

PHONE : \_\_\_\_\_ FAX: \_\_\_\_\_

EMAIL : \_\_\_\_\_

PRINT NAME and Title : \_\_\_\_\_  
(Authorized Representative)

SIGNED : \_\_\_\_\_ DATE: \_\_\_\_\_  
(Authorized Representative)

**Please submit original documents plus one copy.**

New vendors are required to compete and submit an IRS W-9 Form and Vendor ACH Form with the City of Flint. Link is available at <https://www.cityofflint.com/finance/accounts-payable-department/>

Bid results may be viewed next business day online EXCEPT when a bid is under review. <https://www.cityofflint.com/finance/purchasing/results/> under "bid results".



**CITY OF FLINT, MICHIGAN  
AFFIDAVIT FOR INDIVIDUAL**

STATE OF .....

S.S.

COUNTY OF .....

.....being duly sworn, deposes and says that he is the person making the above bid; and that said bid is genuine and not sham or collusive, and is not made in the interest of or on behalf of any person not therein named, and that he has not directly or indirectly induced or solicited any bidder to put in a sham bid; that he has not directly or indirectly induced or solicited any other person or corporation to refrain from bidding, and that he has not in any manner sought by collusion to secure to himself any advantage over other bidders.

Subscribed and sworn to before me at ....., in said County and State,  
this ..... day of ....., A. D. 20 .....

.....

\*Notary Public, .....County,.....

My Commission expires ....., 20 .....

CITY OF FLINT, MICHIGAN  
FOR CORPORATION

STATE OF .....

COUNTY OF .....

s.s.

..... being duly sworn, deposes and says that

he is ..... of .....  
(Official Title) (Name of Corporation)

a corporation duly organized and doing business under the laws of the State of .....  
the corporation making the within and foregoing bid; that he executed said bid in behalf of said corporation by  
authority of its Board of Directors; that said bid is genuine and not sham or collusive and is not made in the interests  
of or on behalf of any person not herein named, and that he has not and said bidder has not directly or indirectly  
induced or solicited any bidder to put in a sham bid; that he has not and said bidder has not directly or indirectly  
induced or solicited any other person or corporation to refrain from bidding; that he has not and said bidder has not  
in any manner sought by collusion to secure to himself or to said corporation an advantage over other bidders.

Subscribed and sworn to before me at ....., in said County and State,

this ..... day of ....., A. D. 20 .....,

.....

\*Notary Public, ....., County,.....

My Commission expires....., 20.....

CITY OF FLINT, MICHIGAN  
FOR PARTNERSHIP

STATE OF.....

COUNTY OF .....

s.s.

..... , being duly sworn, deposes and says that he is a member of the firm of ..... , a co-partnership, making the above bid; that he is duly authorized to make said bid in behalf of said co-partnership; that said bid is genuine and not sham of collusive and not made in the interests of or on behalf of any person not therein named, and that he has not and said bidder has not directly or indirectly induced or solicited any bidder to put in a sham bid; that he has not and said bidder has not directly or indirectly induced or solicited any other person or corporation to refrain from bidding, and that he has not and said bidder has not in any manner sought by collusion to secure to himself or to said bidder any advantage over other bidders.

Subscribed and sworn to before me at ..... in said County and State  
this ..... day of ....., A. D. 20 .....

.....

\*Notary Public.....County.....

My commission expires.....20.....

CITY OF FLINT, MICHIGAN  
FOR AGENT

STATE OF .....

s.s.

COUNTY OF .....

..... being duly sworn, deposes and says that he executed the within and foregoing bid in behalf of .....  
....., the bidder therein named, he having been theretofore lawfully authorized, as the agent of said bidder, so to do; that said bid is genuine and not sham or collusive and not made in the interests of or on behalf of any person not therein named, and that he has not and said bidder has not directly or indirectly induced or solicited any bidder to put in a sham bid; that he has not and said bidder has not directly or indirectly induced or solicited any other person or corporation to refrain from bidding, and that he has not and said bidder has not in any manner sought by collusion to secure to himself or to said bidder any advantage over other bidders.

Subscribed and sworn to before me at ....., in said County and State, this ..... day of ....., A. D. 20 .....

.....

\*Notary Public.....County.....

My Commission expires ....., 20.....


**NOTE:** IF EXECUTED OUTSIDE THE STATE OF MICHIGAN, CERTIFICATE BY CLERK OF THE COURT OF RECORD, AUTHENTICATING THE NOTARY'S SIGNATURE AND AUTHORITY SHOULD BE ATTACHED.

**LEAVE BLANK**

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 2840

BRIDGE SAFETY INSPECTION REPORT

<b>Facility</b> FENTON ROAD	<b>Latitude / Longitude</b> 43.0033 / -83.6936	<b>MDOT Structure ID</b> 254238800235B01	<b>Structure Condition</b> Serious Condition(3)	
<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)		
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)	
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing	

NBI INSPECTION

NXOC

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Michael Nicolls	Wade Trim	12	12/07/2018

GENERAL NOTES

Load Posting signs in place 36/40/40

Weight limit signs in place on both ends of bridge YES

Weight limit shown on signs at bridge

Required advance warning weight limit signs in place

DECK

09/16 12/17 12/18

	09/16	12/17	12/18	
<b>1. Surface (SIA-58A)</b>	5	5	5	HMA overlay with full length longitudinal cracks (1/4" wide) and full width transverse cracks spaced at 10'-15' (1/4" wide). Moderate map cracking near curbs. Rutting within wheel lines. Bridge has at least 2 pavement overlays based on curb height. HMA Patch at NE quadrant by drainage structure to repair undermining of road. Approx. 30 sqft of spalls in deck surface. (12/18) HMA overlay with full length longitudinal cracks (1/4" wide) and full width transverse cracks spaced at 10'-15' (1/4" wide). Minor map cracking near curbs. Rutting within wheel lines. Bridge has at least 2 pavement overlays based on curb height. HMA Patch at NE quadrant by drainage structure to repair undermining of road. Approx. 30 sqft of spalls in deck surface. (12/17) HMA overlay with longitudinal and transverse cracks. Minor map cracking near curbs. Rutting within wheel lines. Bridge has at least 2 pavement overlays based on curb height. HMA Patch at NE quadrant by drainage structure to repair undermining of road. (09/16)
<b>2. Expansion Joints</b>			N	Paved over. (12/18) (12/17) (09/16)
<b>3. Other Joints</b>	6	N	N	Paved over. (12/18) Paved over. (12/17) Joints covered with HMA. (09/16)
<b>4. Railings</b>	5	7	7	Concrete parapet barrier with minor hairline vertical cracks on back side of each barrier. Approach guardrail at each quadrant. (12/18) Solid conc rail on bridge w/ graffiti with minor hairline vertical cracks on back side. GR in 4 quadrants. Newer GR at NE quad due to sidewalk & road washout repairs. (12/17) Solid conc rail on bridge in good condition w/ graffiti. GR in 4 quadrants. Newer GR at NE quad due to sidewalk & road washout repairs. (09/16)
<b>5. Sidewalks or Curbs</b>	4	4	4	Curb spalled & broken approx 7 ft on East curb. Sidewalk cracked along full length with differential settlement & spalled with dirt and debris on east sidewalk. Brush block curb over grown on west side. (12/18) Curb spalled & broken +/- 7 ft on east curb. Sidewalk cracked full length with differential settlement & spalled with dirt and debris on east sidewalk. Brush block curb over grown on west side. (12/17) Curb spalled & broken +/- 7 ft on east curb. Sidewalk cracked & spalled with dirt and debris on east sidewalk. Brush block curb over grown on west side. (09/16)
<b>6. Deck Bottom Surface (SIA-58B)</b>	N	N	N	Concrete spandrel arch. See stringers (12/18) Concrete spandrel arch. See stringers (12/17) (09/16)

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**7. Deck (SIA-58)**      N      3      3      Concrete spandrel arch. See stringers for rating. (12/18)  
Concrete spandrel arch. See stringers for rating. (12/17)  
(09/16)

**8. Drainage**      Concrete curb and gutter drains to the north. Catch basins in NE and NW quadrant. (12/18)  
Concrete curb and gutter drains to the north. Catch basins in NE and NW quadrant. (12/17)  
Concrete curb and gutter drains to the north. Catch basins in NE and NW quadrant plugged.  
(09/16)

**SUPERSTRUCTURE**

09/16 12/17 12/18

**9. Stringer (SIA-59)**      3      3      3      6 total arches-4 at 16.5 ft (interior) 2 at 10 ft (exterior). Cracking, delamination, and spalling over approximately 10% of area at all construction joints in arch. Miscellaneous spalls and delaminations with rusted rebar throughout. Efflorescence and rust stains at cracks. Concrete extremely stony. Fascias have cracked or spalled 50% of length with exposed bars and staining. (12/18)

6 total arches-4 at 16.5 ft (interior) 2 at 10 ft (exterior). Cracking, delamination, and spalling over approximately 10% of area at all construction joints in arch. Miscellaneous spalls and delaminations with rusted rebar throughout. Efflorescence and rust stains at cracks. Concrete extremely stony. Fascias have cracked or spalled 50% of length with exposed bars and staining. (12/17)

6 total arches-4 at 16.5 ft (interior) 2 at 10 ft (exterior). Cracking, delamination, and spalling, approximately 10%, at all construction joints in arch. Miscellaneous spalls and delaminations with rusted rebar throughout. Efflorescence and rust stains at cracks. 12' of rebar on NE fascia broken loose and hanging from bridge. Concrete extremely stony. Same fascia spalls as previous except NE quadrant has worsened. (09/16)

**10. Paint (SIA-59A)**      N      N      (12/18)  
(12/17)  
(09/16)

**11. Section Loss**      N      N      (12/18)  
(12/17)  
(09/16)

**12. Bearings**      N      N      (12/18)  
(12/17)  
(09/16)

**SUBSTRUCTURE**

09/16 12/17 12/18


**13. Abutments (SIA-60)**      3      3      3      Concrete spandrel arch. Same as superstructure. Wingwalls have efflorescence and stains with cracking throughout. 4" +/- horiz difference at WW and abutment in NW quad. (12/18)  
Concrete spandrel arch. Same as superstructure. Wingwalls have efflorescence and stains with cracking throughout. 4" +/- horiz difference at WW and abutment in NW quad. (12/17)  
Same as superstructure. Wingwalls have efflorescence and stains with cracking throughout. 4" +/- horiz difference at WW and abutment in NW quad. (09/16)

**14. Piers (SIA-60)**      N      N      N      (12/18)  
(12/17)  
(09/16)

MICHIGAN DEPARTMENT OF TRANSPORTATION

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<b>15. Slope Protection</b>	5	5	5	Riprap throughout. Gaps in riprap along E abut with fabric exposed. Grass and trees through riprap in west quadrants. Piecemeal concrete walls next to wingwalls appear to be stable w/ cracking and spalling at edges/corners. SE quad exposed geotech fabric due to I-69 leaking joint from above. NW wingwall w/ concrete repair to prevent washout. (12/18) Riprap throughout. Gaps in riprap along E abut with fabric exposed. Grass and trees through riprap in west quadrants. Piecemeal concrete walls next to wingwalls appear to be stable w/ cracking and spalling at edges/corners. SE quad exposed geotech fabric due to I-69 leaking joint from above. NW wingwall w/ concrete repair to prevent washout. (12/17) Riprap throughout in good to fair condition. Gaps in riprap along E abut with fabric exposed. Grass and trees through riprap on North quadrants. Piecemeal concrete walls next to wingwalls appear to be stable w/ cracking and spalling at edges/corners. SE quad exposed geotech fabric due to I-69 leaking joint from above. N.W. wingwall w/ conc repair to prevent washout. (09/16)
<b>16. Channel (SIA-61)</b>	5	5	5	Fast moving water in channel. Large amounts of riprap in all quads. Tree growing near NW quadrant should be removed along with tree underneath bridge. Arch bottom is exposed approx. 2-3 ft below intended bottom of riprap. (12/18) Fast moving water in channel. Large amounts of riprap in all quads. Tree growing near NW quadrant should be removed along with tree underneath bridge. Arch bottom is exposed approx. 2-3 ft below intended bottom of riprap. (12/17) Fast moving water in channel. Large amounts of riprap in all quads. Tree growing near NW quadrant should be removed along with tree underneath bridge. Abutment face is exposed approx. 2-3 ft below intended bottom of riprap. (09/16)
<b>17. Scour Inspection</b>	7	7	7	Riprap throughout. Gaps in riprap along E abut with fabric exposed. No evidence of scour. Probed. (12/18) Riprap throughout. Gaps in riprap along E abut with fabric exposed. No evidence of scour. Probed. (12/17) Riprap throughout in good to fair condition. Gaps in riprap along E abut with fabric exposed. No evidence of scour. (09/16)

APPROACH

	09/16	12/17	12/18	
<b>18. Approach Pavement</b>	6	6	6	HMA approach pavement with heavy map cracking along each curb line with heavy partial and full width transverse cracking spaced 10'-15' (1/4" wide) throughout. Heavy Longitudinal cracking along lane lines at each approach. (12/18) HMA approach. Transverse cracking in pavement. (12/17) Transverse cracking in newer pavement. (09/16)
<b>19. Approach Shoulders Sidewalks</b>	2	3	3	NE approach sidewalk sections are broken and severely deteriorated for approx 50 ft. Approach slope behind wingwall at southeast quadrant contained a washed out area approx 6'x8' with missing soil and aggregate with exposed geotextile fabric (due to I-69 bridge exp joint leaking directly above) Back of abutment/wingwall is exposed. GR in NW quad has impact damage with several broken posts. (12/18) New sidewalk placed in NE quad, however, washout behind first 2 ft of concrete. Fill placed under road curb/part of walk. No fill or riprap in NE quad at repaired end. Back of abutment/wingwall is exposed. GR in NW quad has impact damage with several broken posts. (12/17) New sidewalk placed in NE quad, however, no backfill under outer 2 ft block of concrete. Fill placed under road curb/part of walk. No fill or riprap in NE quad at repaired end. Back of abutment/wingwall is exposed. (09/16)
<b>20. Approach Slopes</b>				Riprap in all quadrants. Block retaining wall in NW quad poorly constructed & has large crack - monitor. Large gaps adjacent to new walk in SE quad. (12/18) Riprap in all quadrants. Block retaining wall in NW quad poorly constructed & has large crack - monitor. Large gaps adjacent to new walk in SE quad. (12/17) Slope paving on NE, SE and SW quadrants. Block retaining wall in NW quad poorly constructed & has large crack - monitor. Large gaps adjacent to new walk in SE quad. (09/16)



MICHIGAN DEPARTMENT OF TRANSPORTATION

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<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)	
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing



21. Utilities

Overhead wire and street lights along west side. 6" water utility conduit attached to West fascia. (12/18)  
 Overhead wire and street lights on west side and crossing to the north. 6" water line attached to W fascia (12/17)  
 Overhead wire and street lights on west side and crossing to the north. 6" water line attached to W fascia (09/16)

22. Drainage Culverts

Catch basins are partially plugged at each side of each approach. (12/18)  
 (12/17)  
 (09/16)

MISCELLANEOUS

Guard Rail

Item	Rating
36A. Bridge Railings	1
36B. Transitions	0
36C. Approach Guardrail	0
36D. Approach Guardrail Ends	0

Other Items

Item	Rating
71. Water Adequacy	8
72. Approach Alignment	6
Temporary Support	0 No Temporary Supports
High Load Hit (M)	No
Special Insp. Equipment	2
Underwater Insp. Method	1

False Decking (Timber) Removed to Complete Inspection

N/A - No False Decking

Critical Feature Inspections (SIA-92)

	Freq	Date
92A. Fracture Critical		
92B. Underwater		
92C. Other Special		
92D. Fatigue Sensitive		

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<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)		
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)	
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing	

SUPPORTING IMAGES

NXOC 12/07/2018



Document Name: 20181207\_141037.jpg  
 Category: Elevation  
 Span Number:  
 Comments: East Elevation looking west downstream



Document Name: 20181207\_140115.jpg  
 Category: Posting  
 Span Number:  
 Comments: Load Posting Sign 36/40/40 at Southeast quadrant, south of I-69 bridge



Document Name: 20181207\_142745.jpg  
 Category: Posting  
 Span Number:  
 Comments: Load Posting Sign 36/40/40 at Northwest quadrant



Document Name: 20181207\_132707.jpg  
 Category: Approach  
 Span Number:  
 Comments: Northwest approach guardrail, looking west.



MICHIGAN DEPARTMENT OF TRANSPORTATION

**STR 2840**

**BRIDGE SAFETY INSPECTION REPORT**

<b>Facility</b> FENTON ROAD	<b>Latitude / Longitude</b> 43.0033 / -83.6936	<b>MDOT Structure ID</b> 254238800235B01	<b>Structure Condition</b> Serious Condition(3)
<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)	
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing



Document Name: IMG\_20181207\_133820970.jpg

Category: Substructure


Span Number:

Comments: North end of east fascia arch section

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 2840

STRUCTURE INVENTORY AND APPRAISAL

<b>Facility</b> FENTON ROAD	<b>Latitude / Longitude</b> 43.0033 / -83.6936	<b>MDOT Structure ID</b> 254238800235B01	<b>Structure Condition</b> Serious Condition(3)	
<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)		
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)	
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing	

Bridge History, Type, Materials	
27 - Year Built	1924
106 - Year Reconstructed	1948
202 - Year Painted	
203 - Year Overlay	2005
43 - Main Span Bridge Type	1 11
44 - Appr Span Bridge Type	
77 - Steel Type	0
78 - Paint Type	0
79 - Rail Type	7
80 - Post Type	
107 - Deck Type	N
108A - Wearing Surface	N
108B - Membrane	N
108C - Deck Protection	N

Structure Dimensions	
34 - Skew	54
35 - Struct Flared	0
45 - Num Main Spans	1
46 - Num Apprs Spans	0
48 - Max Span Length	59.7
49 - Structure Length	65.9
50A - Width Left Curb/SW	3
50B - Width Right Curb/SW	4.9
33 - Median	0
51 - Width Curb to Curb	42
52 - Width Out to Out	51.5
112 - NBIS Length	Y

Inspection Data	
90 - Inspection Date	12/07/2018
91 - Inspection Freq	12
92A - Frac Crit Req/Freq	N
93A - Frac Crit Insp Date	
92B - Und Water Req/Freq	N
93B - Und Water Insp Date	
92C - Oth Spec Insp Req/Freq	N
93C - Oth Spec Insp Date	
92D - Fatigue Req/Freq	N
93D - Fatigue Insp Date	
176A - Und Water Insp Method	1
58 - Deck Rating	3
58A/B - Deck Surface/Bottom	5 N
59 - Superstructure Rating	3
59A - Paint Rating	N
60 - Substructure Rating	3
61 - Channel Rating	5
62 - Culvert Rating	N

Navigation Data	
38 - Navigation Control	0
39 - Vertical Clearance	0
40 - Horizontal Clearance	0
111 - Pier Protection	
116 - Lift Brgd Vert Clear	

Route Carried By Structure(ON Record)	
5A - Record Type	1
5B - Route Signing	5
5C - Level of Service	0
5D - Route Number	02002
5E - Direction Suffix	0
10L - Best 3m Unclr-Lt	0 0
10R - Best 3m Unclr-Rt	99 99
PR Number	
Control Section	
11 - Mile Point	0
12 - Base Highway Network	1
13 - LRS Route-Subroute	0000015108 03
19 - Detour Length	2
20 - Toll Facility	3
26 - Functional Class	14
28A - Lanes On	4
29 - ADT	5536
30 - Year of ADT	2012
32 - Appr Roadway Width	42
32A/B - Ap Pvt Type/Width	5 41.99
42A - Service Type On	5
47L - Left Horizontal Clear	0.0
47R - Right Horizontal Clear	42.0
53 - Min Vert Clr Ov Deck	99 99
100 - STRAHNET	0
102 - Traffic Direct	2
109 - Truck %	8
110 - Truck Network	0
114 - Future ADT	6755
115 - Year Future ADT	2032
Freeway	0

Structure Appraisal	
36A - Bridge Railing	1
36B - Rail Transition	0
36C - Approach Rail	0
36D - Rail Termination	0
67 - Structure Evaluation	3
68 - Deck Geometry	2
69 - Underclearance	N
71 - Waterway Adequacy	8
72 - Approach Alignment	6
103 - Temporary Structure	
113 - Scour Criticality	8


Miscellaneous	
37 - Historical Significance	5
98A - Border Bridge State	
98B - Border Bridge %	
101 - Parallel Structure	N
EPA ID	
Stay in Place Forms	0
143 - Pin & Hanger Code	
148 - No. of Pin & Hangers	

Route Under Structure (UNDER Record)	
5A - Record Type	
5B - Route Signing	
5C - Level of Service	
5D - Route Number	
5E - Direction Suffix	
10L - Best 3m Unclr-Lt	
10R - Best 3m Unclr-Rt	
PR Number	
Control Section	
11 - Mile Point	
12 - Base Highway Network	
13 - LRS Route-Subroute	
19 - Detour Length	
20 - Toll Facility	
26 - Functional Class	
28B - Lanes Under	
29 - ADT	
30 - Year of ADT	
42B - Service Type Under	5
47L - Left Horizontal Clear	
47R - Right Horizontal Clear	
54A - Left Feature	
54B - Left Underclearance	99 99
54C - Right Feature	
54D - Right Clearance	99 99
Under Clearance Year	
55A - Reference Feature	N
55B - Right Horiz Clearance	99.9
56 - Left Horiz Clearance	0
100 - STRAHNET	
102 - Traffic Direct	
109 - Truck %	
110 - Truck Network	
114 - Future ADT	
115 - Year Future ADT	
Freeway	

Proposed Improvements	
75 - Type of Work	31 1
76 - Length of Improvement	
94 - Bridge Cost	1250
95 - Roadway Cost	250
96 - Total Cost	1500
97 - Year of Cost Estimate	2007

Load Rating and Posting	
31 - Design Load	6
41 - Open, Posted, Closed	P
63 - Fed Oper Rtg Method	1
64F - Fed Oper Rtg Load	36
64MA - Mich Oper Rtg Method	6
64MB - Mich Oper Rtg	1.1
64MC - Mich Oper Truck	18
65 - Inv Rtg Method	1
66 - Inventory Load	28.8
70 - Posting	0
141 - Posted Loading	364040
193 - Overload Class	

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 2840		SAFETY INSPECTION REPORT - AASHTO ELEMENTS		
<b>Facility</b> FENTON ROAD	<b>Latitude / Longitude</b> 43.0033 / -83.6936	<b>MDOT Structure ID</b> 254238800235B01	<b>Structure Condition</b> Serious Condition(3)	
<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)		
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)	
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing	

**NBI INSPECTION** **NXOC**

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Michael Nicolls	Wade Trim	12	12/07/2018


**AASHTO ELEMENTS** **(English Units)**

Element Number	Element Name	Total Quantity	Unit	Good CS1	Fair CS2	Poor CS3	Severe CS4
<b>Decks/Slabs</b>							
812	Reinf Conc Fascia	130	ft	65 50%	65 50%	0 0%	0 0%
65' along skew for each fascia							
<b>Superstructure</b>							
144	Re Conc Arch	65	ft	19 29%	16 25%	30 46%	0 0%
817	Ashpalt Ovl w/ Membrane	4810	sq.ft	4765 99%	15 0%	30 1%	0 0%
<b>Substructure</b>							
215	Re Conc Abutment	176	ft	0 0%	106 60%	53 30%	17 10%
Concrete abutment wall is bottom portion of concrete spandrel arch sections. Length is measured parallel to waterway. 88'x2 abutments.							
852	Reinf Concrete Wingwall	4	(EA)	0 0%	3 75%	1 25%	0 0%
<b>Scour Countermeasure</b>							
831	Heavy Riprap	148	sq.ft	148 100%	0 0%	0 0%	0 0%
74' along skew for each face.							
<b>Other Elements</b>							
331	Re Conc Bridge Railing	130	ft	115 88%	15 12%	0 0%	0 0%
840	Reinf Conc Sidewalk	650	sq.ft	0 0%	552 85%	98 15%	0 0%
65'x 5' x 2 walks							

MICHIGAN DEPARTMENT OF TRANSPORTATION

**STR 2840**

**WORK RECOMMENDATIONS**

<b>Facility</b> FENTON ROAD	<b>Latitude / Longitude</b> 43.0033 / -83.6936	<b>MDOT Structure ID</b> 254238800235B01	<b>Structure Condition</b> Serious Condition(3)	
<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)		
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)	
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing	

**WORK RECOMMENDATIONS**

**NXOC**

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Michael Nicolls	Wade Trim	12	12/07/2018


**RECOMMENDATIONS & ACTION ITEMS**

Recommendation Type	Priority	Description
Approach Repair	H	Repair or replace approach guardrail at each quadrant.
Brush Cut	H	Remove and clear trees growing underneath or close to bridge fascias at each quadrant and along slopes.
Slope Repair	H	Patch retaining wall in NW quad.
Super Repair	M	Chip and patch all unsound concrete and spalls in underside of arch.
Bridge Repl.	H	Remove bridge and replace
Other	H	Repair undermining of sidewalk in NE quad. Need to protect backside of abutment/wingwall with backfill.

MICHIGAN DEPARTMENT OF TRANSPORTATION

**STR 2840**

**SCOUR CRITICAL BRIDGE ACTION PLAN**

<b>Facility</b> FENTON ROAD	<b>Latitude / Longitude</b> 43.0033 / -83.6936	<b>MDOT Structure ID</b> 254238800235B01	<b>Structure Condition</b> Serious Condition(3)	
<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)		
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)	
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing	

**No plan available for bridge key 254238800235B01**

MICHIGAN DEPARTMENT OF TRANSPORTATION

**STR 2840**

**LOAD RATING ASSUMPTIONS**

<b>Facility</b> FENTON ROAD	<b>Latitude / Longitude</b> 43.0033 / -83.6936	<b>MDOT Structure ID</b> 254238800235B01	<b>Structure Condition</b> Serious Condition(3)
<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)	
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing



**Rating Considers Field Condition of Members:** Yes      **Inspection Date:** 05/15/2012

**Deterioration:**

**Most Recent Year Construct / Reconstruct / Overlay:**

**History of Work Impacting Load Rating:**

**Superstructure Component:**      **Beam fy:**      **ksi**      **Beam f'c / fb:**      **ksi**

**Composite:**      No      **Number of Beams:**      **Shop Drawings Verified:**      No

**Beam Size(s) & Names (each span):**

**Deck:**      **Thickness (in.):**      **Fy / f'c:**      /      **ksi**      **Deck Design Load > H15:**      No

**Wearing Surface:**      **Mat'l:**      **Thickness (in.):**      **Unit Weight (pcf.):**

**LEFT**      **CENTER**      **RIGHT**

**Barrier: Type / Weight (plf.):**      /      /      /

**Sidewalk: Width / Thick (in.):**      /      /      /

**Clear Roadway (ft.):**

**Additional Loads:**

**Unique Factors That Affect Capacity:**

**Analyzed By:** L. Solowjow

**Date:** 12/29/2014



MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 2840

LOAD RATING SUMMARY

<b>Facility</b> FENTON ROAD	<b>Latitude / Longitude</b> 43.0033 / -83.6936	<b>MDOT Structure ID</b> 254238800235B01	<b>Structure Condition</b> Serious Condition(3)
<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)	
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing



**Compliance Issue:** None  
**Compliance Verified:** No  
**Analysis Program:** Hand Calculations  
**Analysis Program Version:** Hand Calcs  
**Rating Considers Field Condition of Members:** Yes      **Inspection Date:** 05/15/2012  
**Controlling component and failure mode:**

Arch

NEW INVENTORY CODING

NBI Item 63 - Operating Rating Method	1 LFR in US tons
NBI Item 64F - Federal Operating Ratings	36.0
MDOT Item 64MA - Michigan Operating Method	6 LFR in Rating Factor
MDOT Item 64MB - Michigan Operating Rating	1.1
MDOT Item 64MC - Michigan Operating Truck	18
NBI Item 65 - Inventory Rating Method	1 LFR in US tons
NBI Item 66 - Federal Inventory Rating	28.8
NBI Item 41 - Structure Open Posted Closed	P P Posted for load
NBI Item 70 - Bridge Posting	0 0 - 59% or less
Posted By	Truck Type
MDOT Item 141 - Posted Loading	364040
MDOT Item 193A - Michigan Overload Class	
MDOT Item 193C - Overload Status	

Sample Sign




R12-5

**Analyzed By:** L. Solowjow      **Date:** 12/29/2014  
**Checked By:** R. Breen      **Date:** 12/30/2014

MICHIGAN DEPARTMENT OF TRANSPORTATION

**STR 2840**

**REQUEST FOR ACTION**


<b>Facility</b> FENTON ROAD	<b>Latitude / Longitude</b> 43.0033 / -83.6936	<b>MDOT Structure ID</b> 254238800235B01	<b>Structure Condition</b> Serious Condition(3)	
<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)		
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)	
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing	

**No inspections available for bridge key 254238800235B01**

MICHIGAN DEPARTMENT OF TRANSPORTATION

**STR 2840**

**OUTSTANDING WORK**

<b>Facility</b> FENTON ROAD	<b>Latitude / Longitude</b> 43.0033 / -83.6936	<b>MDOT Structure ID</b> 254238800235B01	<b>Structure Condition</b> Serious Condition(3)	
<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)		
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)	
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing	

**WORK RECOMMENDATIONS**

**SUPERSTRUCTURE**

Request For	Contact/User	Agency/Company Name	Estimated Quantity	Unit
Super Repair				
Activity	Material	Other Material	Actual Quantity	Unit
Personnel Hours	Equipment			Complete Date

**Comments**

Chip and patch all unsound concrete and spalls in underside of arch. (Michael Nicolls 02/10/2019)

**OTHER**

Request For	Contact/User	Agency/Company Name	Estimated Quantity	Unit
Brush Cut				
Activity	Material	Other Material	Actual Quantity	Unit
Personnel Hours	Equipment			Complete Date

**Comments**

Remove and clear trees growing underneath or close to bridge fascias at each quadrant and along slopes. (Michael Nicolls 02/10/2019)

Request For	Contact/User	Agency/Company Name	Estimated Quantity	Unit
Slope Repair				
Activity	Material	Other Material	Actual Quantity	Unit
Personnel Hours	Equipment			Complete Date

**Comments**

Patch retaining wall in NW quad. (Michael Nicolls 02/10/2019)

Request For	Contact/User	Agency/Company Name	Estimated Quantity	Unit
Bridge Repl.				
Activity	Material	Other Material	Actual Quantity	Unit
Personnel Hours	Equipment			Complete Date

**Comments**

Remove bridge and replace (Michael Nicolls 02/10/2019)

Request For	Contact/User	Agency/Company Name	Estimated Quantity	Unit
Other				
Activity	Material	Other Material	Actual Quantity	Unit
Personnel Hours	Equipment			Complete Date


**Comments**

Repair undermining of sidewalk in NE quad. Need to protect backside of abutment/wingwall with backfill. (Michael Nicolls 02/10/2019)

MICHIGAN DEPARTMENT OF TRANSPORTATION

**STR 2840**

**OUTSTANDING WORK**

<b>Facility</b> FENTON ROAD	<b>Latitude / Longitude</b> 43.0033 / -83.6936	<b>MDOT Structure ID</b> 254238800235B01	<b>Structure Condition</b> Serious Condition(3)	
<b>Feature</b> THREAD CREEK	<b>Length / Width / Spans</b> 65.9 / 51.5 / 1	<b>Owner</b> City: FLINT(2388)		
<b>Location</b> IN CITY OF FLINT	<b>Built / Recon. / Paint / Ovly.</b> 1924 / 1948 / / 2005	<b>TSC</b> Davison(8)	<b>Operational Status</b> P Posted for load(364040)	
<b>Region / County</b> Bay(4) / Genesee(25)	<b>Material / Design</b> 1 Concrete / 11 Arch- Deck, Filled Sp	<b>Last NBI Inspection</b> 12/07/2018 / NXOC	<b>Scour Evaluation</b> 8 Stable Above Footing	

Request For	Contact/User	Agency/Company Name	Estimated Quantity	Unit
Approach Repair				
Activity	Material	Other Material	Actual Quantity	Unit
Personnel Hours	Equipment			Complete Date

**Comments**

Repair or replace approach guardrail at each quadrant. (Michael Nicolls 02/10/2019)