

**Project Number: 170113**

**PID #: 100004**

**Contract ID: D04100004**

**EDGE Goal: 5.0%**

Ashtabula MAH, STA, SUM  
BH FY2017 (Bridge Sealing)

BRIDGE REPAIR

Work Type Percentage Performed by Prime: 50

**THE 2013 CONSTRUCTION AND MATERIAL SPECIFICATION BOOK IS PART OF THE  
BIDDING DOCUMENTS ON THIS PROJECT**

# **PROPOSAL**

**STATE OF OHIO**

**DEPARTMENT OF TRANSPORTATION**

Jerry Wray, Director

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**February 16, 2017**

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Submitted by \_\_\_\_\_

Bidder Id \_\_\_\_\_

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## **PN 019 – 01/20/2016 - PREPARATION OF PROPOSAL**

### **ELECTRONIC BIDDING REQUIREMENTS**

The Department uses the Bid Express website (<http://www.bidx.com>) as an official repository for electronic bid submittal. Bidders must prepare their bids electronically using Project Bids and submitted via Bid Express.

The Department will not accept handwritten bids or bids generated electronically from software other than that used and supplied by the Department. All handwritten bids and bids generated electronically from software other than that used and supplied by the Department shall be considered non-responsive and ineligible for award. The Department will only accept and consider bids that have been produced using Project Bids and submitted via Bid Express.

The Department's Office of Contracts will provide planholders with a proposal, plan set and any required addenda. Most addenda will not be provided by hard copy, but will be available on the Office of Contracts website at: <http://contracts.dot.state.oh.us>. Planholders will be notified of all addenda via email. All proposals, plans, Project Bids (EBSX) files and addenda are also available on the Office of Contracts web site.

Electronic bids must comply with all special provisions, the Construction and Material Specifications, Supplemental Specifications and the rules and regulations of the Ohio Department of Transportation regarding bid preparation and bid submittal.

Blank unit prices will be considered an invalid bid EXCEPT in the case of optional designs (projects where the bidder is required to bid on only one design). Unit prices of zero are not permitted at any time.

Addenda and/or amendments must be acknowledged in the Bid Acknowledgement section of the Project Bids (EBSX) file in order for your bid to be considered for award of this project. The section contains the certification of receipt of all hard copy proposals, addenda, amendments, plans, standard specifications and supplemental specifications. Supplemental Questionnaire information regarding the bidder's outstanding ODOT and non-ODOT work have also been included in this section. Bid Express will not accept bids that do not have amendments incorporated. Failure to incorporate changed quantities or items in your Project Bids (EBSX) submissions will result in the rejection of your bid.

Each bidder is required to file with his bid a certified check or cashier's check for an amount equal to five percent (5%) of its bid, but in no event more than fifty thousand dollars, or a bid bond for ten percent (10%) of its bid payable to the "Director of Transportation." Electronic bid bonds will be verified upon submission of bids through Bid Express. Bidders must obtain and verify a Bond ID number from the surety. This Bond ID must be entered in the "Bond ID Number" field in the Bid Bond Section of the Project Bids file.

If the contractor chooses to submit a certified check to guaranty its bid, the Department's Office of Contracts will accept a check up to 72 hours in advance of the letting. The Office of Contracts must receive the certified check by 10:00 a.m. on the day the project sells. All checks must be sent to ODOT, Office of Contracts, Attention: Letting Manager, First Floor, 1980 W. Broad St., Columbus, Ohio 43223.

The successful bidder must furnish a performance bond and a payment bond in an amount equal to one hundred percent (100%) of the awarded contract amount. (Ohio Revised Code Section 5525.16)

Any bid received after 10:00 a.m. on the scheduled day of opening will receive no further consideration for award. The Department will not be responsible for a late bid due to failure of the bidder to allow sufficient time for delivery of the bid.

The Department will ensure that this electronic bid depository is available for a two-hour period prior to the deadline for submission of bids. In the case of disruption of national communications or loss of services by <http://www.bidx.com> during this two-hour period, the Department will delay the deadline for bid submissions to ensure the ability of potential bidders to submit bids. If this occurs, instructions will be communicated to potential bidders.

#### **PN 033 - 04/18/2008 - AS PER PLAN DESIGNATION - PROPOSAL NOTE**

For the last several years the "As Per Plan" designation has been added to some item descriptions in the proposal to assist the Contractors to easily identify standard items that have been altered by plan notes.

The "As Per Plan" designation has proven to be a very useful tool for the Contractors. However, its use was never intended to relieve the Contractors of their responsibility to read, bid and construct all items in accordance with all governing plan notes. Therefore, the absence of an "As Per Plan" designation on some item descriptions in the proposal for which there are clear and controlling plan notes does not relieve the Contractors of the responsibility to read, bid and construct those particular items in accordance with the governing plan notes.

Be advised that the item descriptions in the bidding proposal must be read or interpreted with the governing plan notes and the Ohio Department of Transportation Construction and Materials Specifications. A claim based upon an "order of precedence" basis will be denied. In the event that a conflict, either real or perceived, exists between the item description and the governing plan note, the Contractors are to request clarification through the pre-bid process.

#### **PN 038 - 10/15/2004 - UNRESOLVED FINDING FOR RECOVERY**

The Contractor affirmatively represents to the Department that it is not subject to a finding for recovery under Ohio Revised Code §9.24, or that it has taken the appropriate remedial steps required under §9.24 or otherwise qualifies under that section. The Contractor agrees that if this representation is deemed to be false, the contract shall be void ab initio as between the parties to this contract, and any funds paid by the state hereunder shall be immediately repaid to the Department, or an action for recovery may be immediately commenced by the Department for recovery of said funds.

#### **PN 039 - 10/15/2004 - ASSIGNMENT OF ANTITRUST CLAIMS IN STATE CONTRACT LANGUAGE**

It is the policy of the Ohio Department of Transportation that ODOT and the Contractor recognize that in actual economic practice, overcharges resulting from antitrust violations are usually borne by ODOT. As consideration for the Award of the Contract and intent to be legally bound, the Contractor acting herein by and through the person signing this contract on behalf of the Contractor as a duly authorized agent, hereby assigns, sells, conveys, and transfers to ODOT any and all right, title and interest to any and all claims and causes of action the Contractor now has or hereafter requires under state or federal antitrust laws provided that the claims or causes of action related to the goods or services that are the subject to the contract. In addition, the Contractor warrants and represents that it will require any and all of its subcontractors and first tier suppliers to assign any and all federal and state antitrust claims and causes of action to ODOT. The provisions of this article shall become effective at the time ODOT executes this contract without further acknowledgment by any of the parties.

All contracting entities shall assign their rights and responsibilities to ODOT for all antitrust claims and causes of action regarding subcontractors.

**PN 022 – 04/15/2013 - ENCOURAGING DIVERSITY, GROWTH AND EQUITY (EDGE) REQUIREMENTS**

Pursuant to Ohio Revised Code 123.152, the percentage indicated on the front cover of this bid is the percent of the awarded Contractor's bid. The percentage goal may be met if the Contractor is EDGE certified or by subcontracting to certified EDGE firms. EDGE certified firms are those who have been certified by the Ohio Department of Administrative Services. If not EDGE certified, the Contractor must use its best efforts to solicit quotes from and to utilize EDGE subcontractors/suppliers on this project.

**WAIVER PROCESS FOR EDGE GOAL**

If not EDGE certified, the Contractor must document the progress and efforts made in securing the services of EDGE subcontractors/suppliers. In the event the Contractor is unable to meet the EDGE Goal placed on this project, a request for a waiver of all or part of the goal may be made to the DBE Services Section. The written request must include all signed and dated purchase orders and subcontract agreements for any goal attainment achieved and indicate a good faith effort was made to meet the goal and be sent to the DBE Services Section, Division of Construction Management, 1980 West Broad Street, Mail Stop 4110, Columbus, Ohio, 43223. There will be no extension of time for the project granted if the Contractor wishes to avail itself of this process. If an item of work subcontracted to an EDGE firm is non-performed by the Department or the subject of an approved VECP, the Contractor may request a waiver for the portion of work excluded.

The Department shall consider the following information and documentation when a request for an EDGE goal waiver is received:

1. Dollar value and % of EDGE goal. Dollar value and % of waiver request.
2. Signed copy of each subcontract or purchase order agreement between the prime and EDGE subcontractor/supplier utilized in meeting the contract goal.
3. Copy of dated written communication, fax confirmation, personal contact, follow up and negotiation with the EDGE firm.
4. Copy of dated written communication and/or fax confirmation that bidder solicited and provided EDGE with adequate information about the plans, specifications and requirements of the contract in a timely manner to assist them in responding to a solicitation.
5. Copy of dated written communication and/ or fax confirmation of each noncompetitive EDGE quote that includes the dollar value of each reference item and work type.
6. Copy of dated written communication and/ or dated fax confirmation of EDGE firms that were not interested in providing a quote for the project.

7. All solicitations made by the Contractor for subcontracting opportunities and EDGE quotes through SBN.
8. Documentation of all negotiating efforts and reason for rejecting quotes from EDGE firms.
9. Documentation of good faith efforts (GFE) to meet the EDGE subcontract goal, by looking beyond the items typically subcontract or consideration of subcontracting items normally performed by the prime as a way to meet the EDGE goal.

The Administrator will review the submitted documentation and issue a written decision within ten (10) business days. The Contractor may request administrative reconsideration within 14 days of being informed that it did not perform a GFE. The Contractor must make this request in writing to the following official:

Ohio Department of Transportation  
Attention: Deputy Director, Division of Construction Management  
1980 West Broad Street, Mail Stop 4110  
Columbus, Ohio 43223

The reconsideration official will not have played any role in the original determination that the Contractor did not document sufficient good faith effort.

As part of this reconsideration, the Contractor will have the opportunity to provide written documentation or an argument concerning the issue of whether it met the goal or made adequate good faith efforts to do so. ODOT will send the Contractor a written decision on reconsideration explaining the basis for finding that the Contractor did or did not meet the goal or make adequate good faith efforts. The result of the reconsideration process may be appealed to the Court of Claims.

#### **AFFIDAVIT OF SUBCONTRACTOR PAYMENT**

The Ohio Revised Code 123.152, requires the Ohio Department of Transportation (ODOT) to monitor and verify that work subcontracted to Encouraging Diversity, Growth and Equity (EDGE) firms is actually performed by the EDGE firms. The affidavit seeks to verify actual payments made to EDGE firms on the project. Each EDGE firm must verify the actual payment amount.

The blank spaces in the affidavit must be filled in correctly, where indicated. The affidavit must be signed by the Contractor and subcontractor, or by the subcontractor and EDGE sub-contractor, if applicable. By signing the affidavit, the noted firm agrees that the payment amount recorded is true and accurate as of the payment time period.

Completed and signed affidavit shall be mailed to the Ohio Department of Transportation, DBE Services Section, 1980 West Broad Street, Mail Stop 4110, Columbus, Ohio 43223.

#### **SANCTIONS**

The Ohio Department of Transportation will issue sanctions if the Contractor chooses not to request a waiver, the Contractor fails to comply with the contract requirements and/or fails to demonstrate the necessary good faith effort.

The Ohio Department of Transportation may impose any of the following sanctions:

- (1) letter of reprimand;
- (2) liquidated damages computed up to the amount of goal dollars not met;

- (3) cross-withhold from future projects;
- (4) contract termination and/or
- (5) other remedies available by law including suspension, revocation, and/or debarment.

Factors to be considered in issuing sanctions include, but are not limited to:

- (1) the magnitude and the type of offense;
- (2) the degree of the Contractor's culpability;
- (3) any steps taken to rectify the situation;
- (4) the Contractor's record of performance on other projects including, but not limited to:
  - a. annual EDGE participation over EDGE goals;
  - b. annual EDGE participation on projects without goals;
  - c. number of complaints the Ohio Department of Transportation has received from EDGE firms regarding the Contractor; and
  - d. the number of times the Contractor has been previously sanctioned by the Department of Transportation; and
- (5) whether the Contractor falsified, misrepresented, or withheld information.

#### **PN 016 - 10/15/2004 -STATE EEO CERTIFICATION CLAUSE**

The hiring of employees for the performance of work under this contract shall be done in accordance with Sections 153.59 and .591, of the Ohio Revised Code, the Governor's Executive Order of January 27, 1972, including Appendices "A" and "B" and the Governor's amended Executive Order 84-9 of November 30, 1984. The successful contractor shall not discriminate against or intimidate any person hired for the performance of the work by reason of race, color, religion, national origin, ancestry, sex or handicap. For any violation the contractor shall suffer such penalties as provided for in Section 153.60, of the Ohio Revised Code, and the Governor's Executive Order of January 27, 1972. The bidder also agrees that upon the award of this contract he shall incorporate this certification in all subcontracts on this project regardless of tier.

#### **PN 090 - 01/21/2011 - WORK TYPE CODES AND DESCRIPTIONS**

The Department will indicate the work type required for each pay item. If the line item does not have a corresponding work type, NR will be shown in the work type column. This proposal note will govern the assignment of work types to pay items.

However, the Contractor may perform incidental work items for which it does not hold the required work type provided the cost of the work does not exceed 5% of the total bid. The Contractor may also perform Work Type 26 (Structural steel painting) without holding the required work type provided the total area to be painted does not exceed 700 SF per structure. The Contractor may perform Work Type 57 (Sealing of Concrete Surfaces with Epoxy or Non-Epoxy Sealers) without holding the required work type provided the total area to be sealed does not exceed 75 SY per project.

Listed below are the work types for this proposal. In accordance with Ohio law, a bidder must possess work types, and perform work equal to the percentage included on the front cover of this proposal. This is a percentage of the total amount of the submitted bid price. The Director may, by insertion of a contract provision, reduce the fifty percent amount.

<b>Work Type Code</b>	<b>Work Type Description</b>	<b>Work Type Code</b>	<b>Work Type Description</b>
1	Clearing & Grubbing	29	Structure Repairs
2	Building Removal	30	Hydrodemolition
3	Gas, Oil, Water Well Abandonments	31	Structural Steel Repairs
4	Roadway Excavation & Embankment Construction	32	Heat Straightening
5	Major Roadway Excavations	33	Tieback Installation
6	Incidental Grading	34	Earth Retaining Structures
7	Soil Stabilization	35	Drainage (Culverts, Misc.)
8	Temporary Soil Erosion & Sediment Control	36	Guardrail / Attenuators
9	Aggregate Bases	37	Fence
10	Flexible Paving	38	Misc. Concrete
11	Apply Bituminous Treatments	39	Maintenance of Traffic
12	Rigid Paving	40	Waterproofing
13	Pavement Planning, Milling, Scarification	41	Raised Pavement Markers
14	Concrete Texturing	42	Signing
15	Sawing	43	Highway Lighting
16	Flexible Replacement	44	Traffic Signals - Standard
17	Rigid Pavement Replacement	45	Pavement Markings
18	Pavement Rubblizing, Breaking, Pulverizing	46	Landscaping
19	Structure Removal	47	Mowing
20	Level 1 Bridge	48	Trucking
21	Level 2 Bridge	49	Herbicide Spraying
22	Level 3 Bridge	50	Railroad Track Construction
23	Reinforcing Steel	51	Micro Tunneling
24	Structural Steel Erection	52	Tunneling
25	Stud Welding	53	Piling
26	Structural Steel Painting	54	Post-Tensioning Bridge Members
27	Expansion & Contraction Joints, Joint sealers, Bearing Devices	55	Fiber Optic Cable Installation, Splicing, Termination and Testing – Traffic Signal System
28	Caissons / Drilled Shafts	56	Fiber Optic Cable Installation, Splicing, Termination and Testing – Intelligent Transportation System
		57	Sealing of Concrete Surfaces with Epoxy or Non-Epoxy Sealers

**PN 060 – 10/22/2012 - PREVAILING WAGES ON STATE PROJECTS WITH NO FEDERAL AID**

The following is in addition to Section 108.10.

This contract is subject to Ohio Prevailing Wage Laws, Chapter 4115 of the Ohio Revised Code and the Contractor and all subcontractors shall comply with all provisions contained therein or as otherwise provided by this note. The Contractor guarantees that the prevailing wage scale to be paid to all laborers and mechanics employed on this contract shall be in accordance with the schedule of the prevailing hourly wage and fringe benefits as determined by the Ohio Department of Commerce for the county in



which the work is being performed. The failure to pay prevailing wages to all laborers and mechanics employed on this project, shall be considered a breach of contract. Such a failure may result in the revocation of the contractor's and/or subcontractor's certificate of qualification and debarment. A schedule of the most current prevailing wage rates may be accessed by registering with the Ohio Department of Commerce, Labor and Worker Safety Division, Wage and Hour Bureau at the following web address:

<http://198.234.41.198/w3/webwh.nsf?Opendatabase>

***The Contractor and all subcontractors shall compensate the employees on this contract at a pay rate not less than the hourly wage and fringe rate listed on the website noted above, for the applicable job classification or as may be modified by the Ohio Department of Commerce, Division of Labor and Worker Safety Wage and Hour Bureau, when new prevailing rates are established.***

Overtime shall be paid at one and one-half times the basic hourly rate for any hours worked beyond forty hours during a pay week. The Contractor and all subcontractors shall pay all compensation by company check to the worker and fringe benefit program.

The wage and fringe rates determined for this project or as may be later modified, shall be posted by the Contractor in a prominent and accessible place on the project, field office, or equipment yard where they can be easily read by the workers or otherwise made available to the workers. On the first pay date of contract work the Contractor and all subcontractors shall furnish each employee covered by prevailing wage a completed form whpw1512 in accordance with section 4115.05 of the Ohio Revised Code, showing the classification, hourly pay rate, fringes, and identifying the District Prevailing Wage Coordinator (DPWC), if such employees are not covered by a collective bargaining agreement or understanding between employers and bona fide organizations of labor. These forms shall be signed by the Contractor or subcontractor and the employee and kept in the Contractor's or subcontractor's payroll files.

The Contractor shall submit to the designated Department representative, certified payrolls for the Contractor and all subcontractors on form whpw1509 or equivalent, in accordance with sections 4115.07 and 4115.071 (C) of the Ohio Revised Code, three weeks after the start of work and every subsequent week until the completion of the contract. Additionally, a copy of the "Apprentice Certification" obtained from the Ohio State Apprenticeship Council, must accompany all certified payrolls submitted, for all apprentices working on this project. Upon completion of the contract and before the final payment, the Contractor shall submit to the DPWC a final wage affidavit in accordance with section 4115.07 of the Ohio Revised Code stating that wages have been paid in conformance with the minimum rates set forth in the contract. Please be aware that it is ultimately the responsibility of the Contractor to ensure that all laws relating to prevailing wages in Chapter 4115 of the Ohio Revised Code, are strictly adhered to by all subcontractors.

The Contractor and all subcontractors shall make all of its payroll records available for inspection, copying or transcription by any authorized representative of the contracting agency. Additionally, the Contractor and all subcontractors shall permit such representatives to interview any employees during working hours while the employee is on the job.

If the Contractor or any subcontractor fails to comply with any of the provisions contained in this proposal note, the Department may terminate the contract, debar the Contractor or Subcontractor and/or withhold or suspend pay estimates after written notice and a reasonable opportunity to comply has been provided.

**PN 045 - 10/15/2004 - NON - COLLUSION AFFIDAVIT**

In accordance with Title 23 United States Code, Section 112 and Ohio Revised Code, Chapter 1331 et. seq; and Sections 2921.11 and 2921.13, the bidder hereby states, under penalty of perjury and under other such penalties as the law provides, that he or his agents or employees have not entered either directly or indirectly into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal. Execution of this proposal on the signature portion thereof shall constitute also signature of this Non-Collusion Affidavit as permitted by title 28 United States Code, Section 1746.

**REPORTING BID RIGGING**

To report bid rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m. eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

**PN 118 – 07/21/2015 – REVISIONS TO THE 2013 C&MS FOR DEMOLITION WORKING DRAWING REQUIREMENTS**

**501.05.B.2**

On Page 295, **Replace** the first two sentences with the following:  
Demolition of the entire or portions of the following: Bridges, Culverts with 8 feet or more of fill, Walls with 8 feet or more of fill retained. Perform all work as specified below:

**PN 512 - 12/31/2012 - ITEM SPECIAL - PATCHING CONCRETE BRIDGE DECKS**

**A. Description.** This item shall consist of furnishing the necessary labor, materials and equipment to repair concrete bridge decks, including the removal of all loose and unsound concrete, bituminous patches, surface preparation, bonding coat and the mixing, placing, finishing and curing of the mortar or concrete patches.

**B. Materials.** Materials shall conform to the following requirements:

Fine aggregate (natural sand).....	703.02
Coarse aggregate (No.8).....	703.02
Portland cement .....	701.05
Quick Setting Concrete Mortar, Type 1 or 2.....	705.21
Air-entraining admixture .....	705.10
Curing materials - Type A or B Patches .....	705.07
Curing materials - Type C Patches .....	Mfgr's recommendations

**C. Removal of Unsound Concrete.** The Engineer shall sound the entire deck and outline the areas to be removed. Sounding may have to be delayed until the deck is sufficiently dry to permit detection of all areas of delamination. The perimeter of all removal areas shall be sawed to a depth of 1 inch (25 mm) to produce a vertical or slightly undercut face. Additional saw cuts may be required to facilitate removal. All unsound concrete including all patches other than sound Portland cement concrete, and all loose and disintegrated concrete shall be removed. The unsound concrete may be removed by chipping or hand dressing. Chipping hammers shall not be heavier than the nominal 35 pound (16 kg) class and shall be operated at an angle of less than 45 degrees measured from the surface of the deck. Concrete shall be removed in a manner that prevents cutting, elongating or damaging reinforcing steel. Where the bond between the concrete and a primary reinforcing bar has been destroyed, or where more than one half of the periphery of such a bar has been exposed, the adjacent concrete shall be removed to a depth that will provide a minimum 3/4 inch (19 mm) clearance around the bar except where other reinforcing bars make this impracticable. Reinforcement which has become loose shall be adequately supported and tied back into place. After completion of the secondary removal operations, the Engineer will re-sound the deck to ensure that only sound concrete remains. Minimize construction joints. Construction joints shall only be placed on the perimeter of the removal areas.

**D. Surface Preparation.** Cleaning shall closely precede application of the bonding grout and/or the patching material. The surface to be patched and the exposed reinforcing steel shall be thoroughly cleaned by sandblasting followed by an air blast. It may be necessary to use hand tools to remove scale from the reinforcing steel. For Type A and Type B patches and Type C patches which do not use water as the activator, the prepared surface shall be surface dry. For Type C patches which require water as the activator the prepared surface shall be left in the condition as recommended by the manufacturer. Any additional surface preparation shall be in accordance with the manufacturer's recommendations for the patching material which is used.

**E. Bonding Grout.** The grout for bonding Type A patches shall consist of equal parts by volume of Portland cement and sand, mixed with sufficient water to form a stiff slurry. The consistency of this slurry shall be such that it can be applied with a stiff brush or broom to the existing surface in a thin, uniform coating. The coating of grout shall be scrubbed onto the dry surface immediately before placing the concrete. Care shall be exercised to ensure that no excess grout is permitted to collect in low spots. In no case shall the grout be permitted to dry before placing the new concrete. Thinned grout shall be painted over all joints between the new existing concrete immediately after the finishing has been completed. Type B and Type C patches shall be bonded according to the manufacturers recommendations.

**F. Patching.** The mortar or concrete shall be placed as Type A, B, or C.

**1. Type A.** The mixture shall consist of 1 part high-early-strength Portland cement, 1-1/2 parts fine aggregate and 1-1/2 parts coarse aggregate by volume. Sufficient air-entraining agent shall be

added to maintain an air content of 8 plus or minus 2 percent. The slump shall be the minimum practical for placing and in no case shall it exceed 2 inches (50 mm). The materials shall be mixed at the site. Ready-mixed concrete shall not be permitted. The mix shall be placed in the area to be patched while the bonding grout is still wet, a slightly overfilled and struck off with a vibrating screed drawn slowly across the area. Hand finishing with a wood float may be required to product a tight, uniform surface.

**2. Type B.** Patching material shall be made using Quick Setting Concrete Mortar, Type 1 or 2, 705.21. The mortar shall be mixed and placed as per manufacturer's recommendations. Coarse aggregate may be added in accordance with the manufacturer's instructions when the depth of the patch exceeds 1 inch (25 mm).

**3. Type C.** Patching material shall be made using a blend of 705.21 Type 2 material and selected aggregates with an activator. These materials shall be mixed and placed as per manufacturer's recommendations. Coarse aggregate may be added in accordance with the manufacturer's instructions when the depth of the patch exceeds 1 inch (25 mm).

**G. Curing.** Type A patches shall be cured in accordance with Sec. 511.14, Method (A), for not less than 24 hours if membrane waterproofing is to be applied immediately. If not, Method (A) shall be used for 48 hours, after which membrane curing material shall be applied at a rate not less than one gallon per 200 square foot (1 L per 5 m<sup>2</sup>). Membrane curing material shall be removed prior to placing waterproofing. Type B and Type C patches shall be cured in accordance with the manufacturer's recommendations.

**H. Method of Measurement.** The quantity shall be the actual area in square yards (square meters) of the exposed surface of all patches, irrespective of the depth of the patch, complete, in place and accepted.

**I. Basis of Payment.** Payment shall be made at the contract price bid for:

ITEM	UNIT	DESCRIPTION
Special	Sqare Yard (Square Meter)	Patching concrete bridge decks, Type _____.

**Project Number: 170113**

To the Director of the Ohio Department of Transportation: The undersigned, having full knowledge of the site, plans and specifications for the following improvement and the conditions of this proposal, hereby agrees to furnish all services, labor, materials, and equipment necessary to complete the entire project, according to the plans, specifications and completion dates, and to accept the unit prices specified below for each item as full compensation for the work in this proposal.

Date Set for Completion: **12/1/2018**

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**Unit Price Contract**

FOR IMPROVING VARIOUS SECTIONS IN THE CITIES OF AKRON, ASHTABULA, BRECKSVILLE, CANTON, CONNEAUT, AND YOUNGSTOWN, IN THE COUNTIES OF ASHTABULA, MAHONING, STARK, AND SUMMIT, OHIO, IN ACCORDANCE WITH PLANS AND SPECIFICATIONS BY PATCHING AND SEALING BRIDGE DECKS IN ADDITION TO OTHER MINOR STRUCTURAL REPAIRS.

Project Length: 0.00 Miles

Work Length: 0.00 Miles

Pavement Width: 0 Feet

Project Number: 170113

**Section 0001 MAINTENANCE OF TRAFFIC**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0001		614E11110	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE (WT: 39)	39	HOUR	300.000
0002		614E12420	DETOUR SIGNING (WT: 39)	39	LS	1.000
0003		614E12460	WORK ZONE MARKING SIGN (WT: 39)	39	EACH	80.000
0004		614E13000	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC (WT: 39)	39	CY	5.000
0005		614E18600	PORTABLE CHANGEABLE MESSAGE SIGN (WT: 39)	39	SNMT	1.000

**Section 0002 STRUCTURE REPAIR (ATB-11-2515L)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0006		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0007		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	5,938.000
0008		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	29.000
0009		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0010		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0011		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0012		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0003 STRUCTURE REPAIR (ATB-11-2515R)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0013		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0014		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	5,938.000
0015		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	29.000
0016		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0017		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0018		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0019		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0004 STRUCTURE REPAIR (ATB-20-1276)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0020		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0021		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	10,761.000
0022		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	52.000

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0023		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0024		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0025		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0026		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0005 STRUCTURE REPAIR (ATB-20-2592)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0027		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0028		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	6,129.000
0029		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	30.000
0030		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0031		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0032		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0033		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0006 STRUCTURE REPAIR (MAH-193-0031)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0034		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0035		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	9,793.000
0036		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	47.000
0037		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0038		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0039		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0040		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0007 STRUCTURE REPAIR (MAH-711-0067)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0041		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0042		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	17,827.000
0043		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	88.000
0044		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0045		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0046		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0047		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

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**Section 0008 STRUCTURE REPAIR (MAH-76-0092L)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0048		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0049		257E10000	DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT (WT: 14)	14	SY	13,109.000
0050		511E60000	SPECIAL - BRIDGE DECK GROOVING (WT: 14)	14	SY	13,109.000
0051		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	13,109.000
0052		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	65.000
0053		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0054		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0055		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0056		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0009 STRUCTURE REPAIR (MAH-76-0092R)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0057		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0058		257E10000	DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT (WT: 14)	14	SY	13,109.000
0059		511E60000	SPECIAL - BRIDGE DECK GROOVING (WT: 14)	14	SY	13,109.000
0060		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	13,109.000
0061		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	65.000
0062		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0063		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0064		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0065		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0010 STRUCTURE REPAIR (MAH-80-0124L)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0066		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0067		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	17,468.000
0068		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	86.000
0069		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0070		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0071		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0072		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000



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**Section 0011 STRUCTURE REPAIR (MAH-80-0124R)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0073		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0074		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	17,468.000
0075		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	86.000
0076		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0077		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0078		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0079		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0012 STRUCTURE REPAIR (STA-43-1238)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0080		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0081		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	10,178.000
0082		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	50.000
0083		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0084		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0085		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0086		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0013 STRUCTURE REPAIR (SUM-261-1025R)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0087		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0088		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	14,609.000
0089		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	72.000
0090		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0091		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0092		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0093		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0014 STRUCTURE REPAIR (SUM-261D-0000)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0094		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000

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0095		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	15,489.000
0096		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	78.000
0097		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0098		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0099		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0100		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0015 STRUCTURE REPAIR (SUM-271-0800R)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0101		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0102		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	9,231.000
0103		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	45.000
0104		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0105		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0106		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0107		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0016 STRUCTURE REPAIR (SUM-271-0801L)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0108		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0109		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	9,140.000
0110		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	46.000
0111		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0112		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000
0113		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0114		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0017 STRUCTURE REPAIR (SUM-82-0000)**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0115		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0116		512E73500	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (WT: 57)	57	SY	5,477.000
0117		519E12304	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE C (WT: 29)	29	SY	28.000
0118		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	15.000
0119		630E80100	SIGN, FLAT SHEET, 730.20 (WT: 42)	42	SF	2.000

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0120		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	2.000
0121		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	2.000

**Section 0018 INCIDENTALS**

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0122		103E05000	PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND (WT: NR)	NR	LS	1.000
0123		614E11000	MAINTAINING TRAFFIC (WT: 39)	39	LS	1.000
0124		624E10000	MOBILIZATION (WT: NR)	NR	LS	1.000