CITY OF ANN ARBOR

GEDDES DAM
GATE RECOATING
AND REPAIRS

JANUARY 2019
ITB#: 4564
Stantec Project Number: 2075148300
BID SET
GENERAL NOTES

1. PROVIDE TEMPORARY BARRIERS AS NEEDED FOR PROTECTION OF THE PUBLIC.
2. PROVIDE SIGNAGE FOR CONSTRUCTION AREAS: "WARNING CLOSED" AND "CAUTION," AND OTHER SIGNS AS NECESSARY. IN GENERAL, IT IS RECOMMENDED THAT PUBLIC TRESPASSING BE PROHIBITED, AND IF NECESSARY ONLY OCCASIONALLY AND FOR SHORT DURATIONS.
3. PROVIDE SIGNAGE FOR CONSTRUCTION MATERIALS, ETC., TO BE REMOVED FROM THE WORK SITE.
4. PROVIDE SIGNAGE FOR "CONSTRUCTION AHEAD," "WALKWAY CLOSED," "CAUTION," AND OTHER SIGNS AS NECESSARY. IN GENERAL, IT IS RECOMMENDED THAT PUBLIC WALKWAY CLOSURES NOT BE ALLOWED.
5. RESTORE ALL DISTURBED AREAS AS PER THE SPECIFICATIONS.
6. RESTORE EXISTING PAVEMENTS AND WALKS FROM DAMAGE.
7. RESTORE ALL DISTURBED AREAS AS PER THE SPECIFICATIONS.
8. RESTORE EXISTING TREES AS INDICATED IN THE DRAWINGS.
9. TEMPORARY CLOSURES OF OLD DIXBORO ROAD SHALL NOT BE PERMITTED.

PAINTING NOTES

1. ITEMS TO BE PAINTED ARE DESIGNATED IN THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL COMPONENTS OF THE DESIGNATED ITEMS.
2. ITEMS TO BE PAINTED MAY BE SHOP PAINTED OFF SITE. OTHER ITEMS SHALL BE PAINTED IN PLACE WITH CONTINUITY.
3. PREPARE ALL SURFACES OF THE DESIGNATED ITEMS, INCL. DEBRIS AND BLEEDING POINTS.
4. USE NON-ABRASIVE METHODS OF APPLICATION AND OTHER COMPONENTS NOT INTENDED TO BE PAINTED OR B annonce.
5. TESTING COMPLIES WITH THE PRESIDENT OF THE MILLIPUT ON THIS PROJECT. SEE APPENDIX OF THE SPECIFICATIONS FOR REQUIREMENTS ON THE APPLICATION AND PROCESS OF SECTIONS 01370, 01371, AND OTHER REQUIREMENTS.
6. USE NON-ABRASIVE METHODS OF APPLICATION AND OTHER COMPONENTS NOT INTENDED TO BE PAINTED OR B ANNOUNCED.
7. REMOVE ALL MANUFACTURER NAMEPLATES, TAGS, ETC. PRIOR TO BLASTING AND PAINTING. PROVIDE PROTECTION FOR EXISTING TREES.
8. BLAST MEDIA SHALL BE FULLY CONTAINED AND IS NOT PERMITTED TO WASH DOWNSTREAM.
9. UNLESS NOTED OTHERWISE, ALL METAL TO BE COATED SHALL BE PREPARED SSPC-SP 10/13 WHITE METAL PRIOR TO PAINTING.
SECTION A

NEW WORK PLAN

1. INSTALL TEMPORARY STOPLOGS. REMOVE STOPLOGS UPON COMPLETION OF EACH GATE AND RETURN TO OWNER'S STORAGE LOCATION AT THE END OF THE PROJECT (STOPLOGS ARE STORED AT BARTON PUMP STATION). CONTRACTOR MAY TAKE ONLY ONE BAY OUT OF SERVICE AT A TIME.

2. RE-COAT GATE (BAYS 1, 2 AND 3).

3. REMOVE EXISTING CHAIN GUARD AND RE-INSTALL AFTER PAINTING TORQUE TUBE.

4. UNSHACKLE CHAIN FROM GATE FOR COATING. RE-ATTACH TO GATE AFTER COMPLETION.

5. AFTER RE-ATTACHING CHAINS, COORDINATE WITH CITY FOR CALIBRATION OF POSITION INDICATORS ON HOISTS.

6. REPLACE EMBEDDED GATE STOPS FOR BAY NO. 4. SEE DETAIL 4 ON DRAWING S-502. COAT IN PLACE. SSPC-SP-10 NEAR WHITE.

7. IN CLOSED BAY, INSTALL TEMPORARY SERVICE PLATFORM(S) AND FALL PROTECTION GUARD(S) AS REQUIRED. INCLUDE BARRIER(S) TO PREVENT DEBRIS FROM ENTERING RIVER.

8. RE-COAT TORQUE TUBE (BAYS 1, 2 AND 3).

9. REPLACE SIDE-SEALS (GATES 1, 2 & 3). SEE DETAIL 2 ON DRAWING S-502.

10. REPLACE BOTTOM SEALS (GATES 1, 2 & 3). SEE DETAIL 3 ON DRAWING S-502.

REVIEW: PJM

BID SET: PJM

2019.01.29
1 - GENERAL NOTES

A. All structural, piping, and electrical equipment, as well as other work items, shall be designed and constructed in accordance with the latest edition of the applicable codes and standards.

B. The Contractor shall verify all design calculations and ensure that all work is performed in accordance with the approved drawings and specifications.

C. The Contractor shall ensure that all materials and equipment used in the project are of the highest quality and comply with all relevant codes and standards.

D. The Contractor shall ensure that all work is performed in a safe manner, and all workers shall comply with all applicable safety regulations.

E. All work shall be performed in a neat and orderly manner.

F. The Contractor shall ensure that all work is completed on time and within budget.

G. The Contractor shall provide all necessary labor, tools, and equipment for the project.

H. The Contractor shall ensure that all work is performed in accordance with the approved drawings and specifications.

I. The Contractor shall ensure that all work is performed in a manner that minimizes environmental impact.

J. The Contractor shall ensure that all work is performed in a manner that maximizes safety.

2 - STRUCTURAL STEEL

A. Structural steel is required to be designed and constructed in accordance with the latest edition of the applicable codes and standards.

B. The Contractor shall ensure that all structural steel is designed and constructed in accordance with the approved drawings and specifications.

C. The Contractor shall ensure that all steel is fabricated and installed in accordance with the approved drawings and specifications.

D. The Contractor shall ensure that all steel connections are properly designed and constructed.

E. The Contractor shall ensure that all steel is properly painted and coated.

F. The Contractor shall ensure that all steel is properly marked and identified.

G. The Contractor shall ensure that all steel is properly stored and protected.

3 - FABRICATION

A. All work shall be performed in a manner that minimizes environmental impact.

B. The Contractor shall ensure that all work is performed in a manner that maximizes safety.

C. The Contractor shall ensure that all work is performed in a manner that complies with all applicable codes and standards.

D. The Contractor shall ensure that all work is performed in a manner that maximizes efficiency.

E. The Contractor shall ensure that all work is performed in a manner that minimizes cost.

F. The Contractor shall ensure that all work is performed in a manner that maximizes quality.

G. The Contractor shall ensure that all work is performed in a manner that complies with all applicable regulations.

H. The Contractor shall ensure that all work is performed in a manner that complies with all applicable codes and standards.

I. The Contractor shall ensure that all work is performed in a manner that complies with all applicable safety regulations.

J. The Contractor shall ensure that all work is performed in a manner that complies with all applicable environmental regulations.
REPLACE 3/4" Ø BOLTS AND LOCK-WASHERS. NUMBER AND LOCATION

REPLACE GATE ARMS. NUMBER AND LOCATION TO BE

REPLACE HUB AND TRUNNION PIN

NEW 13/16" DRAIN HOLES, EACH GIRDER

FIELD-DETERMINED ALL PIPES. NUMBER AND LOCATION TO BE FIELD-DETERMINED

REPLACE GATE ARMS, NUMBER AND LOCATION TO BE FIELD-DETERMINED

SYMM. ABOUT C PL.

STIFFENER PL. 2 (2) STIFFENER PL'S. 2

1'-9" 5 WT4x7.5 (TYP.)

7 5 WT4x7.5 (TYP.)

4 2 1 2 1 " Ø PIPE

20°13'20" 3 8" SECTION

2 1 2 1 2 1 " Ø PIPE

1'-9" 5 WT4x7.5 (TYP.)

20°13'20" 3 8" SECTION

NEW WORK:

GUIDE ROLLER

CAP ALL ENDS 2 1 DIA. SCH. 80

FLOW 6 2" Ø PIPE

WAVE DEFLECTOR SKIN PL.

3 2

WT4x7.5 8 6 8 6

STIFFENER PL.

3 2

WT4x7.5 (TYP.)

3 2

WT4x7.5 (TYP.)

FIELD-DETERMINED ALL PIPES. NUMBER AND LOCATION TO BE FIELD-DETERMINED

20'-8" GATE 3: 20'-8"

FLOW 6 2" Ø PIPE

WAVE DEFLECTOR SKIN PL.

3 2

WT4x7.5 8 6 8 6

STIFFENER PL.

3 2

WT4x7.5 (TYP.)

3 2

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WT4x7.5 (TYP.)

FIELD-DETERMINED ALL PIPES. NUMBER AND LOCATION TO BE FIELD-DETERMINED

20'-8" GATE 3: 20'-8"

FLOW 6 2" Ø PIPE

WAVE DEFLECTOR SKIN PL.
**CITY OF ANN ARBOR**

**GEDDES DAM**

**GATE RECOATING AND REPAIRS**

**ANN ARBOR, MI**

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

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**PROJECT NO. 2075148300**

**SCALE**

**REVISION**

**DRAWING NO.**

**SHEET**

**TITLE**

**CLIENT/PROJECT**

**CLIENT/PROJECT LOGO**

**PERMIT/SEAL**

**ISSUED**

**NOTES**

**CONSULTANT**

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**BY**

**APPD YYYY.MM.DD**

**DSGN. YYYY.MM.DD**

**CHKD. YYYY.MM.DD**

**DWN. YYYY.MM.DD**

**FILE NAME:**

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**ISSUE:**

**2019.01.11**

**RATING:**

**PJM**

**2019.01.29**

**S-502**

**SECTIONS AND DETAILS II**

**REPLACE GATE STOP. SEE DETAIL 10/S-502**

**APPROX. EL. 753.33**

**MATCH EXISTING IN FIELD AND LEVEL BOTH SIDES TO EACH OTHER.**

**VERIFY THAT NEW GATE STOP ALIGNS WITH EXISTING GATE STOP BAR.**

**REUSE EXISTING EMBEDDED WELD PLATE.**

**SPRING DEVICE TO BE EQUIVALENT TO MODEL 85K18, CATALOG NO. 55780-000, BY STRIPPIT DIVISION & HOUDAILLE INDUSTRIES INC.**

**3/4" TRAVEL**

**REMOVE ALL METAL PROTECTING FROM EXISTING WELD PLATE AND GRIND SMOOTH. WELD NEW ASSEMBLY.**

**FACE OF PIER**

**REUSE EXISTING EMBEDDED WELD PLATE.**

**VERIFY GATE STOP ENTRY INTO EXISTING GATE STOP BAR.**