WAYNE STATE UNIVERSITY
ADAMS FIELD STADIUM RENOVATION
WSU PROJECT NUMBER 079-349226
DETROIT, MICHIGAN
JANUARY 26, 2022
ISSUED FOR BID

Prepared for:
WAYNE STATE UNIVERSITY
5454 CASA AVE
DETROIT, MI 48202

Prepared by:
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201 DEPOT STREET
SECOND FLOOR
ANN ARBOR, MI  48104
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BASE BID / PROJECT NARRATIVE
THE BASE BID OF THE PROJECT CONSISTS OF THE REMOVAL OF ALL PRECAST CONCRETE STADIA AND ASSOCIATED INTERMEDIATE CONCRETE STEPS, HANDRAILS, GUARDRAILS, CHAIN LINK FENCING ALONG THE EDGES OF THE STADIA, HANDRAILS AND GUARDRAILS TO BE SCH 40 POSTS AND PIPE.

THE VESTIBULE RAMPS, VESTIBULE RAILINGS AND GUARDRAILS, FIELD SIDE FENCING, NORTH/SOUTH CONCRETE WALK AT BASE OF STADIA AND CONCRETE RAMPS ADJACENT TO THE NORTH AND SOUTH ENDS OF THE STADIUM TO REMAIN.

ALTERNATE 1
SAND, FINISH AND PAINT REMAINING EXISTING HANDRAILS AND GUARDRAILS AT VESTIBULE AREAS AND NORTH SOUTH RAMPS AREAS

ALTERNATE 2
IN LIEU OF SCH 40 POSTS AND PIPE FOR HANDRAILS AND GUARDRAILS, REPLACE WITH ALUMINUM HANDRAILS AND GUARDRAILS

ALTERNATE 3
IN LIEU OF REMOVING ALL EXISTING PRECAST CONCRETE STADIA, EXISTING PRECAST STADIA TO REMAIN ADJACENT TO THE PRESSBOX. SEE STRUCTURAL ALTERNATE PLANS FOR LIMITS. EXISTING CONCRETE STEPS AND HANDRAILS/GUARDRAILS ASSOCIATED WITH REMAINING PRECAST CONCRETE TO REMAIN.
GENERAL NOTES

1. PROVIDE TO OWNER: PLAN, SPECIFICATION, AND SPECIFY A COLLECTIVE WORK PLAN TO THE ARCHITECT FOR REVIEW AND COMMENT. PRESENT THE WORK PLAN TO THE CONTRACTOR FOR PRE-CONSTRUCTION MEETING. CONFRONT THE PROBLEMS PRIOR TO THE PRE-CONSTRUCTION MEETING AND WRITTEN AUTHORIZATION TO PROCEED IS ISSUED BY THE PROJECT MANAGER.

2. NOTIFY THE ARCHITECT IN WRITING OF ALL IDENTIFIED AREAS HAVING CONSTRUCTION DOCUMENTS PRIOR TO THE DATE OF ISSUE. DETERMINE PERFORMANCE OF THE WORKS IN MATERIALS AND CONSTRUCTION AT THE JOB SITE. INSTRUCTIONS TO THE CONTRACTOR TO PROVIDE CLARIFICATIONS AND MAKE CHANGES TO THE WORKSHEET.

3. MAKE ALL NECESSARY PREPARATIONS TO PROTECT THE PUBLIC AND REGULARS FROM DAMAGE OR HARMFUL INCIDENTS. USE ALL PRECAUTIONS TO SECURE TO THE WORKSHEET.

4. NOTIFY THE CONTRACTOR IN WRITING OF ALL EXISTING UTILITY LINES. NOTIFICATIONS TO THE CONTRACTOR OF ANY PRE-EXISTING UTILITY LINES. CONDUCT SAFETY MEASURES TO SECURE TO THE WORKSHEET.

5. CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER OF ANY PRE-EXISTING UTILITY LINES. CONTRACTOR SHALL NOTificate THE CONTRACTOR OF ANY PRE-EXISTING UTILITY LINES.

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BLEACHER & AISLES

1. ASSEMBLY LINE IS NOT RECOMMENDED TO BE ADHESIVE TO THE DRAWING FOR THE PROJECT MANAGER. INSTRUCTIONS TO THE CONTRACTOR TO PROVIDE COMPLEMENTS TO THE BANQUETING CODE 2010. INSTRUCTIONS TO THE CONTRACTOR TO PROVIDE COMPLEMENTS TO THE BANQUETING CODE 2010.

2. CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER OF ANY EXISTING UTILITY LINES. NOTIFICATIONS TO THE CONTRACTOR OF ANY PRE-EXISTING UTILITY LINES. CONDUCT SAFETY MEASURES TO SECURE TO THE WORKSHEET.

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LEGEND

SHEET NOTES

1. HANDRAIL REMOVAL:
   1.1. HANDRAILS ARE EITHER SURFACE MOUNTED OR CORED INTO THE INTERMEDIATE NON-PRE-CAST CONCRETE RISER.
   1.2. CONTRACTOR TO REMOVE NECESSARY CONNECTIONS FOR APPROPRIATE REMOVAL OF MATERIALS
   1.3. HANDRAILS TO REMAIN IN STEPS OVER SECTIONS OF UNDISTURBED PRECAST CONCRETE ADJACENT TO THE PRESSBOX

2. PERIMETER FENCE REMOVAL:
   2.1. PERIMETER FENCE IS SLOTTED INTO SLEEVE AND BOLTED DIRECTLY TO THE EXISTING PRECAST CONCRETE STRUCTURE
   2.2. CONTRACTOR TO REMOVE CHAIN LINK FENCE, SLEEVE AND ASSEMBLY SYSTEM.
   2.3. CONTRACTOR TO REMOVE NECESSARY CONNECTIONS FOR APPROPRIATE REMOVAL OF MATERIALS
   2.4. CONTRACTOR TO PROVIDE ALTERNATE PRICE TO SALVAGE AND REUSE EXISTING VERTICAL POSTS

3. GUARDRAIL REMOVAL:
   3.2. REMOVE COMPLETE SYSTEM AND ATTACHED HANDRAILS - AT VESTIBULE, LOCATE WHERE HANDRAIL TO BE CUT AND NEW HANDRAIL TO BE ATTACHED TO EXISTING HANDRAIL, SEE SPECS FOR REQUIREMENTS

EX. 33WF200

4. EXISTING CONCRETE RAMP AND RAILINGS TO REMAIN
5. EXISTING CONCRETE WALKWAYS AND RAILINGS TO REMAIN
6. EXISTING STEPS AND RAILINGS TO REMAIN
7. EXISTING ACCESSIBLE Viewing Area, CONCRETE RAMP AND RAILINGS TO REMAIN
8. CONCRETE STEP, ADDED AS PART OF PRESSBOX RENOVATIONS, FIELD LOCATE
9. PROJECT CONCRETE SECTION TO REMAIN. COORDINATE REMOVAL OF ADJACENT SECTIONS OF PRECAST CONCRETE.

WAYNE STATE UNIVERSITY
ADAMS STADIUM RENOVATION
42 WEST WARREN AVE
DETROIT, MI

CD100

DATE
01/26/2022

ISSUED FOR
ISSUED FOR BID

SMITHGROUP
SEALS AND SIGNATURES

DRAWING TITLE
WAYNE STATE UNIVERSITY
ADAMS STADIUM RENOVATION
42 WEST WARREN AVE
DETROIT, MI

DRAWING NUMBER
CD100

SCALE
1"=10'

NOT FOR CONSTRUCTION

SHEET NOTES

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CONDITIONS
EXISTING CONDITIONS

EXISTING BLEACHER, FIELD VERIFY LENGTH: 48.00'

EXISTING AISLE: 3.00'

EXISTING BLEACHER, FIELD VERIFY LENGTH: 47.00'

EXISTING AISLE: 4.00'

NOTE:
NORTH AND SOUTH AISLE WIDTHS TO REMAIN 36"
INTERIOR AISLES TO ADJUST TO 48"

MODIFIED CONDITIONS

MODIFIED BLEACHER, FIELD VERIFY LENGTH: 39.50'

NEW AISLE: 3.00'

NEW AISLE: 3.00'

NOTES:
1) CONTRACTOR TO REMOVE AND SALVAGE END CAPS, CUT 1 SIDE OF ALUMINUM BLEACHER AND REPLACE CAP.
2) MOUNTING BRACKET BENEATH THE ALUMINUM BLEACHER SHALL BE 6" FROM THE END OF THE BLEACHER (SEE STRUCTURAL DETAILS 5/SC-501). THIS DISTANCE ALLOWS FOR CLEARANCE FOR THE END CAP.
3) CONTACT ROGER CRONKRIGHT AT SOUTHERN BLEACHER FOR ANY INSTALLATION QUESTIONS/COORDINATION:
RESSCO@AOL.COM 269.870.5570

NEW CAST IN PLACE CONCRETE STAIR: 48"/36", SEE STRUCTURAL DETAILS

HANDRAILS
GUARDRAILS AND HANDRAILS
SHEET NOTES

SCALE: 1/4" = 1'

BLEACHER DETAIL

SMITHGROUP
WAYNE STATE UNIVERSITY
ADAMS STADIUM RENOVATION
42 WEST WARREN AVE
DETROIT, MI

CS100
FLOOR LIVE LOADS

CODE REFERENCE

Habitation Loads - Title 24/ASHRAE 90

PAINTING

Painters and Painters.

FLOOR LIVE LOADS

CODE REFERENCE

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PAINTING

Painters and Painters.
10.
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4.
3.
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GENERAL STRUCTURAL NOTES CONT.

2. REINFORCING BAR WELDING:
   2. DESIGNATIONS:
     1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE 2015 MICHIGAN (INTERNATIONAL) BUILDING CODE CHAPTER 17 AND AS MODIFIED HEREIN.

   5. SI, TA & GE SHALL BE ENGAGED BY THE OWNER IN COMPLIANCE WITH THE MICHIGAN (INTERNATIONAL) BUILDING CODE.

4. SI SHALL PROVIDE A DAILY REPORT OF ANY DISCREPANCIES FROM THE CONTRACT DOCUMENTS FOUND ON THE SAME DAY OF THE INSPECTION TO THE ENGINEER OF RECORD. FORMAL REPORTS OF
   - PROPER POSITION (F, V, H, OH)
   - INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.)
   - PREHEAT APPLIED
   - SHIELDING GAS TYPE/FLOW RATE
   - EACH PASS MEETS QUALITY REQUIREMENTS
   - SELECTED WELDING MATERIALS
   - PRECIPITATION AND TEMPERATURE
   - TRAVEL SPEED

2.  INSPECTION TASKS DURING BOLTING:
   - WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE. P P
   - WELDER IDENTIFICATION SYSTEM. O O
   - CONTROL AND HANDLING OF WELDING CONSUMABLES:
   - PREHEAT APPLIED
   - SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS.
   - CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FASTENING EQUIPMENT AND ATTACHMENTS, MEET THE REQUIREMENTS OF THE BASE METAL AND THE FASTENING MATERIALS.
   - TYPICAL PRETENSIONING AND TENSIONING EQUIPMENT
   - PRETENSIONING OPERATION. O O
   - PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER INSTALLATION.
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SPECIAL INSPECTION REQUIREMENTS - CONCRETE CONSTRUCTION

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<thead>
<tr>
<th>INSPECTION TASK</th>
<th>INSPECTION FREQUENCY</th>
<th>REFERENCE/STANDARD</th>
<th>BC REFERENCE</th>
<th>RESPONSIBLE AGENT</th>
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<tbody>
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<td>CONTINUOUS</td>
<td>PERIODIC</td>
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SPECIAL INSPECTION REQUIREMENTS - POST-INSTALLED ANCHORS

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PRECAST CONCRETE DEMOLITION

1. VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS.
2. REFER TO SHEET SC-001 FOR GENERAL STRUCTURAL NOTES AND SELECTIVE DEMOLITION NOTES.
3. REFER TO ARCH. DWGS FOR ADDITIONAL INFORMATION. COORDINATE ALL WORK WITH ARCH DRAWINGS AND SPECIFICATIONS.
4. REFERENCE DRAWINGS:
   - SC-001 GENERAL STRUCTURAL NOTES
   - SC-002 SPECIAL INSPECTION SCHEDULES
   - SD-500 PRECAST CONCRETE DEMOLITION

KEY NOTES:
- Structural Steel Framing To Remain
- Existing Steel Column And Cap Plate To Remain
- Existing Concrete, Cladding And Rail To Remain
- Perimeter Fence To Remain
- Approximate Pressure Location (L.P.)
- Exact Precast Stanchion Removable
- Precast Under Press Box To Remain

NOTES:
1. VERIFY IN FIELD ALL EXISTING DIMENSIONS AND ELEVATIONS.
2. REFER TO SHEET SC-001 FOR GENERAL STRUCTURAL NOTES AND SELECTIVE DEMOLITION NOTES.
3. REFER TO ARCH. DWGS FOR ADDITIONAL INFORMATION. COORDINATE ALL WORK WITH ARCH DRAWINGS AND SPECIFICATIONS.
4. REFERENCE DRAWINGS:
   - SC-001 GENERAL STRUCTURAL NOTES
   - SC-002 SPECIAL INSPECTION SCHEDULES
   - SD-500 PRECAST CONCRETE DEMOLITION

SD-200

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NOTES:
1. VERIFY IN FIELD ALL EXISTING DIMENSIONS AND ELEVATIONS.
2. REFER TO ARCH. DWGS FOR ADDITIONAL INFORMATION. COORDINATE ALL WORKS WITH ARCH DRAWINGS AND SPECIFICATIONS.
3. DESIGNATION
   S - SLIP CONNECTION
   F - FIXED CONNECTION
4. REFERENCE DRAWINGS:
   SC-001 GENERAL STRUCTURAL NOTES
   SC-002 SPECIAL INSPECTION SCHEDULES
   SC-500 PRECAST CONCRETE DETAILS
   SC-501 PRECAST CONCRETE DETAILS
   SC-502 PRECAST CONCRETE DETAILS

PREFACE

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NOT FOR CONSTRUCTION

WAYNE STATE UNIVERSITY ADAMS STADIUM RENOVATION
24 WEST WARREN AVE
DETROIT, MI 48226
313.983.3600
smithgroup.com

Plot Date: 1/24/2022 8:48:53 PM

PRECAST CONCRETE LAYOUT

SCALE:
1" = 10'-0"
LEVEL 01
EL (0")

SC-501.A

1/2" SQUARE BULLASTER
SPACING NOT TO EXCEED 4"
REFER TO ARCH.
EMB. PLATE FOR WELDING
2 1/2" DIA. PIPE FOR HAND RAIL
INSERTS FOR 2 1/2" DIA. PIPE TYP. AT
ALL POSTS ATTACHMENT

PRECAST RISERS OVER
VOMITORY

1 1/2" DIA. SCHED. 40 PIPE
TYP. GRAB RAIL

3'-0" ±

NOT FOR
CONSTRUCTION
PRECAST CONCRETE LAYOUT - REPAIR

NOTES:
1. VERIFY IN-PLACE ALL EXISTING DIMENSIONS AND ELEVATIONS.
2. REFER TO ARCH. DWGS FOR ADDITIONAL INFORMATION. COORDINATE ALL WORKS WITH ARCH DRAWINGS AND SPECIFICATIONS.
3. REFER TO APPENDIX "A" FOR STADIUM STRUCTURAL STUDY BY TEC.
4. DESIGNATION:
   - S - SLIP CONNECTION
   - F - FIXED CONNECTION
5. REFERENCE DRAWINGS:
   - SC-001 GENERAL STRUCTURAL NOTES
   - SC-002 SPECIAL INSPECTION SCHEDULES
   - SC-500.A PRECAST CONCRETE DETAILS
   - SC-501.A PRECAST CONCRETE DETAILS

SUGGESTED REPAIR PROCEDURE:
1. REVIEW REPAIR DRAWINGS ALONG WITH EXISTING DRAWINGS.
2. REVIEW STADIUM STRUCTURAL STUDY BY TEC DATED JUNE 24, 2020. REFER TO APPENDIX "A".
3. VISIT THE SITE AND CONDUCT VISUAL INSPECTION TO IDENTIFY EXISTING FIELD CONDITIONS.
4. PREPARE REPAIR WORK PLAN.
5. DESIGN AND INSTALL TEMPORARY SHORING SYSTEM. REFER TO CONCEPTUAL TEMPORARY SHORING DETAILS ON SHEET SC-500.A.
6. REMOVE EXISTING PRECAST STADIUM EMBED PLATES AND RECEIVING BENT PLATES. CLEAN PACK RUST AND LOOSE CONCRETE.
7. INSTALL NEW BENT CORTON STEEL PLATE SEATS WITH MIN. 4" PROJECTION FROM EACH SIDE OF THE EXISTING RAKER STEEL BEAMS.
8. PREPARE AND SUBMIT CONCRETE REPAIR DETAILS WITH DETAILED REPAIR PROCEDURE FOR EACH EXISTING CONDITIONS PRIOR TO BEGINNING THE REPAIR WORK.
9. CHIP AND REMOVE UNSOUND CONCRETE AND REPAIR.
10. REMOVE AND RELOCATE TEMPORARY SHORING AS REQUIRED TO PERFORM REPAIR AT THE NEXT AREA PER REPAIR WORK PLAN.