

GENERAL NOTES:

PROPOSED WORK:

THE FOLLOWING IS A GENERAL SUMMARY OF THE PROPOSED WORK FOR THIS STRUCTURE; INCIDENTAL ITEMS ARE NOT INCLUDED.

OPTION A:

1. REMOVE EXISTING DECK CONCRETE DECK SLAB, PARAPETS AND APPROACH SLABS.
2. REMOVE ABUTMENT BACKWALLS, PORTIONS OF WINGWALLS, PIER CAPS AND COLUMNS TO 1'-0" MINIMUM BELOW EXISTING GROUND.
3. REMOVE CROSSFRAMES AND BEAMS.
4. INSTALL NEW CULVERT.
5. COMPACT FILL IN BRIDGE FOOTPRINT TO PROPOSED GRADE.
6. CONSTRUCT NEW ROADWAY.
7. OPEN TO TRAFFIC.

OPTION B:

1. INSTALL NEW CULVERT.
2. COMPACT FILL UNDER BRIDGE TO WITHIN 10'-0" OF PROPOSED GRADE.
3. REMOVE EXISTING DECK CONCRETE DECK SLAB, PARAPETS AND APPROACH SLABS.
4. REMOVE ABUTMENT BACKWALLS, PORTIONS OF WINGWALLS, PIER CAPS AND COLUMNS TO 1'-0" MINIMUM BELOW PROPOSED GROUND.
5. REMOVE CROSSFRAMES AND BEAMS.
6. COMPACT FILL UNDER BRIDGE TO PROPOSED GRADE.
7. CONSTRUCT NEW ROADWAY.
8. OPEN TO TRAFFIC.

EXISTING STRUCTURE VERIFICATION:

EXISTING STRUCTURE VERIFICATION: DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND *513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED IN THE FIELD.

EXISTING BRIDGE PLANS:

EXISTING BRIDGE PLANS CAN BE VIEWED AT ODOT DISTRICT 4 OFFICE.

ITEM 202. PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN. AS PER PLAN:

- A. THIS WORK CONSISTS OF THE REMOVAL OF THE EXISTING SUPERSTRUCTURE (CONCRETE DECKS INCLUDING PARAPETS, MEDIANS, RAILINGS, DECK JOINTS, BEAMS, GIRDERS, CROSS FRAMES, ETC.) AS WELL AS THE PIERS TO 1 FOOT BELOW EXISTING GRADE. THE PROVISIONS OF ITEM 202 APPLY. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.
- B. REMOVALS METHODS: THE CONTRACTOR MAY REMOVE CONCRETE BY CUTTING AND BY MEANS OF HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS. FOR REMOVAL OVER STRUCTURAL MEMBERS (STEEL GIRDERS), THE CONTRACTOR MAY USE A HAMMER HEAVIER THAN 35 POUNDS [16 KILOGRAMS] BUT NOT TO EXCEED 90 POUNDS [41 KILOGRAMS] UNLESS APPROVED BY THE ENGINEER.
- C. SUBSTRUCTURE CONCRETE REMOVAL: REMOVAL OF PORTIONS OF ABUTMENTS INCLUDING BACKWALLS AND WINGWALLS, PIER CAPS AND COLUMNS TO 1 FOOT BELOW EXISTING GRADE. REMOVE CONCRETE BY MEANS OF APPROVED PNEUMATIC HAMMERS EMPLOYING POINTED AND BLUNT CHISEL TOOLS. HYDRAULIC HOE-RAM TYPE HAMMERS WILL BE PERMITTED.
- D. MEASUREMENT & PAYMENT: THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202, PORTIONS OF STRUCTURE REMOVED, AS PER PLAN.

UTILITY LINES:

UTILITY LINES: THE UTILITY(IES) SHALL BORE ALL EXPENSE INVOLVED IN RELOCATING (INSTALLING) THE AFFECTED UTILITY LINES. THE CONTRACTOR AND UTILITY(IES) ARE TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

ASBESTOS NOTIFICATION:

AN ASBESTOS SURVEY OF TECH BRIDGE STRUCTURES FOR REHABILITATION WAS CONDUCTED BY A CERTIFIED ASBESTOS HAZARD EVALUATION SPECIALIST. THE SURVEY DETERMINED THAT NO ASBESTOS IS PRESENT ON THE BRIDGE STRUCTURE.

A COPY OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) NOTIFICATION OF DEMOLITION AND RENOVATION FORM WILL BE PROVIDED TO THE SUCCESSFUL BIDDER. THE CONTRACTOR SHALL COMPLETE THE FORM AND SUBMIT IT TO OHIO EPA, DIVISION OF AIR POLLUTION WITH FULL FEE PAYMENT. ONLINE SUBMISSION IS AVAILABLE AND IS ENCOURAGED OR, THE CONTRACTOR SHALL SUBMIT IT TO ONE OF THE ADDRESSES BELOW AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION.

ASBESTOS PROGRAM
OHIO EPA, DAPC
P.O. BOX 1049
COLUMBUS, OH 43216-1049

OR

ASBESTOS PROGRAM
OHIO EPA, DAPC
50 W. TOWN ST., SUITE 700
COLUMBUS, OH 43215

THE CONTRACTOR SHALL PROVIDE A COPY OF THE COMPLETED FORM TO THE ENGINEER AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION. THE FORM SHALL INCLUDE:

- 1) THE CONTRACTORS NAME AND ADDRESS,
- 2) THE SCHEDULED DATES FOR THE START AND COMPLETION OF THE BRIDGE REMOVAL AND
- 3) A DESCRIPTION OF THE PLANNED DEMOLITION WORK AND THE METHOD(S) TO BE USED.

COPIES OF THE OEPA FORM AND BRIDGE INSPECTION REPORT ARE AVAILABLE FOR REVIEW AT THE ODOT DISTRICT 12 OFFICE, 5500 TRANSPORTATION BOULEVARD, GARFIELD HEIGHTS, OHIO 44125.

BASIS FOR PAYMENT - THE CONTRACTOR SHALL FURNISH ALL FEES, LABOR, AND MATERIAL NECESSARY TO COMPLETE AND SUBMIT THE OEPA NOTIFICATION FORM. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN.

ROADWAY CONSTRUCTION:

FOR ROADWAY PLANS, SEE SHEETS 101204 AND 102204.

MAINTENANCE OF TRAFFIC:

FOR MAINTENANCE OF TRAFFIC PLANS, SEE SHEETS 16204 THRU 82204.

STANDARD ABBREVIATIONS:

- BRGS. - BEARINGS
- C/C - CENTER TO CENTER
- C.J. - CONSTRUCTION JOINT
- CPP. - CORRUGATED PLASTIC PIPE
- CLR. - CLEAR
- DIA. - DIAMETER
- E.F. - EACH FACE
- EQ. - EQUAL
- EXIST. - EXISTING
- EXP. - EXPANSION
- F.A. - FORWARD ABUTMENT
- F.F. - FAR FACE
- F.S. - FIELD SPLICE
- MIN. - MINIMUM
- N.F. - NEAR FACE
- PEJF - PREFORMED EXPANSION JOINT FILLER
- R.A. - REAR ABUTMENT
- SER. - SERIES
- SPA. - SPACING/SPACES
- TYP. - TYPICAL

STA-225-00.59C ESTIMATED QUANTITIES					MADE BY: CRG	CHECKED BY: TES			
					DATE: 02/24/18	DATE: 04/18/19			
ITEM	ITEM EXT.	TOTAL 02/S<2/BR	UNITS	DESCRIPTION	STA-225-0059				
					ABUTS.	PIERS	SUPER.	GENERAL	SHT. REF.
202	11203	LUMP		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LUMP	2
202	22900	278	SQ YD	APPROACH SLAB REMOVED				278	
202	23500	278	SQ YD	WEARING COURSE REMOVED				278	
SPECIAL	65000	2	EA	SETTLEMENT PLATFORM				2	3

DESIGN AGENCY: **PRIME** 540 WHITE POND DRIVE, SUITE E AKRON, OHIO 44320
 DATE: 1/29/2021
 REVIEWED: KDC 1/29/2021
 STRUCTURE FILE NUMBER: 7605927
 DRAWN: AMT
 AMT REVISIONS:
 DESIGNED: AMT
 CHECKED: CRG
GENERAL NOTES (1 OF 2)
 BRIDGE NO. STA-225-0059C
 US-225 OVER US-62T
 STA-62T / 225-01.37R & 01.38L / 00.59
 PID No. 102870
 2 / 3
 193
 204

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GENERAL NOTES (CONTINUED):

ITEM SPECIAL - SETTLEMENT PLATFORMS:

DESCRIPTION: THIS ITEM CONSISTS OF FURNISHING, CONSTRUCTING, AND MAINTAINING SETTLEMENT PLATFORMS AND OBTAINING SETTLEMENT READINGS AS REQUIRED BY THE PLANS OR AS DIRECTED BY THE ENGINEER. AT THE OPTION AND EXPENSE OF THE CONTRACTOR, ADDITIONAL SETTLEMENT PLATFORMS MAY BE INSTALLED AT LOCATIONS APPROVED BY THE ENGINEER. SETTLEMENT READINGS SHALL BE TAKEN WEEKLY DURING CONSTRUCTION. AFTER CONSTRUCTION, READINGS SHOULD BE TAKEN MONTHLY UNTIL FINAL ASPHALT SURFACE COURSE INSTALLED ON SR 225 BRIDGE LIMITS. THE READINGS SHALL BE PLOTTED ON GRAPH PAPER PRESENTING DEFORMATION (ON THE NEGATIVE Y-AXIS) AND FILL HEIGHT (ON THE POSITIVE Y-AXIS) VERSUS TIME (ON THE X-AXIS). IN ORDER TO CREATE THE GRAPH, USE THE SETTLEMENT PLATFORM SPREADSHEET LOCATED AT [HTTP://WWW.DOT.STATE.OH.US/DIVISIONS/ENGINEERING/GEOTECHNICAL/GEOTECHNICAL_DOCUMENTS/BLANKS_SETTLEMENT_READING_PLOTS-ENGLISH.XLS](http://www.dot.state.oh.us/divisions/engineering/geotechnical/geotechnical_documents/blanks_settlement_reading_plots-english.xls) IN THE OGE WEBSITE PUBLICATIONS AND DOCUMENTS SECTION. A COPY OF EACH CUMULATIVE PLOT SHALL BE SENT TO THE OFFICE OF GEOTECHNICAL ENGINEERING, ATTENTION: GEOTECHNICAL DESIGN COORDINATOR, AFTER EACH SETTLEMENT READING IS RECORDED.

MATERIALS: SOUND LUMBER SUCH AS 3/4-INCH (19MM) EXTERIOR GRADE PLYWOOD SHALL BE USED FOR THE BASE. THE PIPE SHALL BE 2-1/2-INCH (64MM) STANDARD BLACK PIPE WITH THREADED FITTINGS AS SHOWN ON THE PLANS. A STEEL PLATE 36" X 36" X 1/8" (915MM X 915MM X 3.2MM) MAY BE SUBSTITUTED FOR THE LUMBER FOR THE PLATFORMS, AT THE CONTRACTOR'S OPTION.

CONSTRUCTION METHODS: THE PLATFORM SHALL CONFORM TO THE DETAILS SHOWN ON THE PLANS. THE PLATFORM SHALL BE SET ON A LEVEL SURFACE. THE PIPE SHALL BE FIRMLY SECURED TO THE PLATFORM AND SHALL BE MAINTAINED IN A PLUMB POSITION DURING THE PLACEMENT OF THE EMBANKMENT. THE PIPE SHALL BE MARKED AT INTERVALS TO FACILITATE MEASUREMENT OF THE DEPTH OF FILL. THE CONTRACTOR SHALL STOP WORK IN ANY LOCATION WHERE THE SETTLEMENT PLATFORM HAS BEEN DISTURBED OR DAMAGED. PLATFORMS OR PIPES DAMAGED OR DISPLACED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR PROPER CONDITION AT THE CONTRACTOR'S EXPENSE. PRIOR TO THE FINAL ASPHALT SURFACE COURSE, THE TOP OF THE SETTLEMENT PLATFORM PIPE SHALL BE CUT OFF ONE FOOT BELOW THE PROPOSED FINISHED GROUND SURFACE.

METHOD OF MEASUREMENT: THE NUMBER OF SETTLEMENT PLATFORMS TO BE PAID FOR SHALL BE THE ACTUAL NUMBER OF SETTLEMENT PLATFORMS COMPLETED, MAINTAINED, AND ACCEPTED BY THE ENGINEER.

BASIS OF PAYMENT: PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE EACH FOR "ITEM SPECIAL SETTLEMENT PLATFORMS" WHICH IS COMPENSATION FOR CONSTRUCTING MAINTAINING, AND MONITORING THE SETTLEMENT PLATFORMS INCLUDING FURNISHING ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK. PAYMENT SHALL NOT BE MADE FOR SETTLEMENT PLATFORMS WHICH BECOME USELESS DUE TO DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS.

SETTLEMENT PLATFORM NOTES:

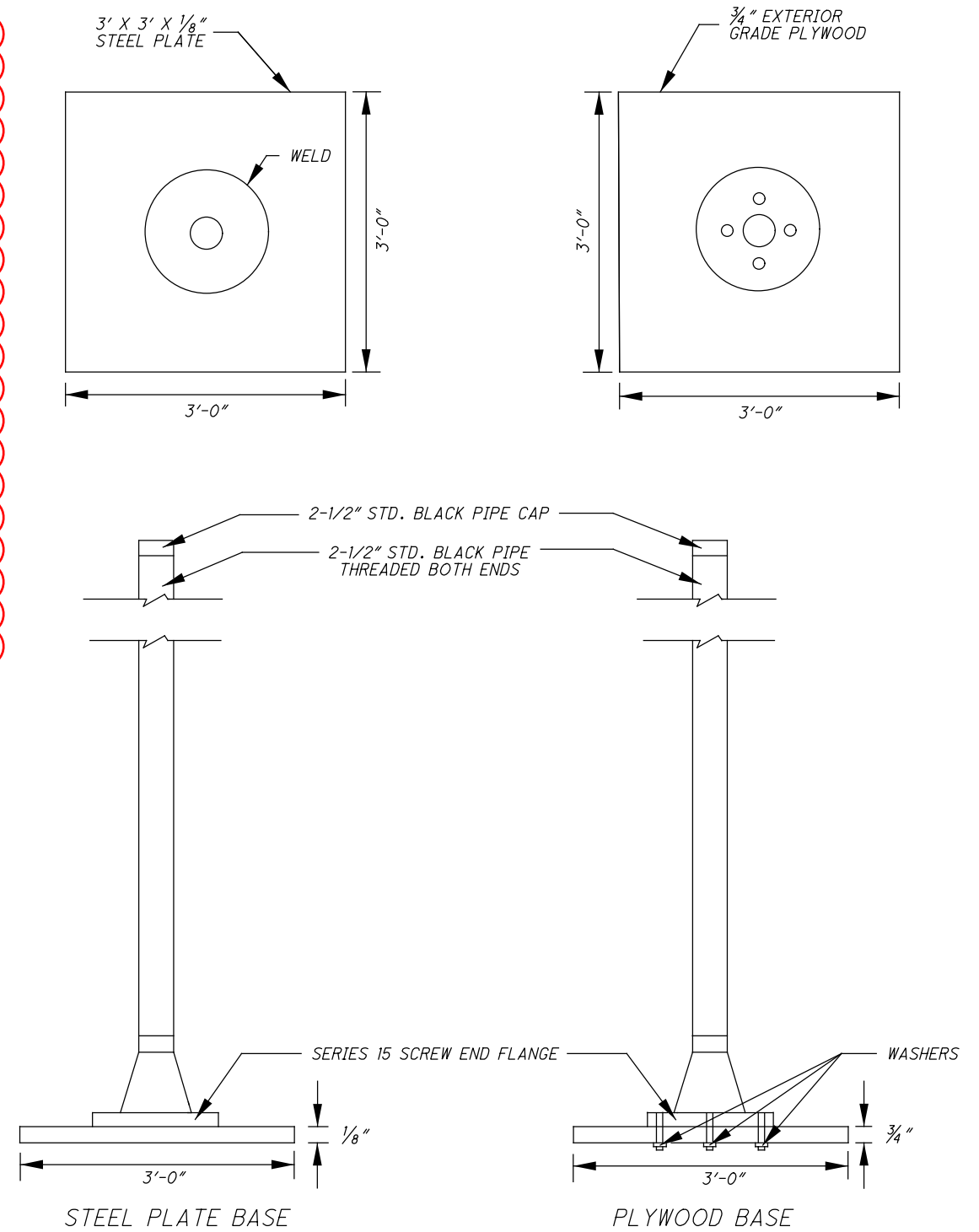
1. SETTLEMENT PLATFORMS SHALL BE PLACED AT THE LOCATION INDICATED IN THE PLANS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. CONTRACTOR HAS OPTION OF USING EITHER STEEL OR PLYWOOD PLATFORM BASE.
3. CONTRACTOR SHALL FURNISH MATERIALS AND LABOR TO EXTEND PIPE UP THROUGH ENTIRE FILL.
4. SETTLEMENT PLATFORMS SHALL BE ANCHORED BY STAKES DRIVEN AT EACH CORNER TO PREVENT OVERTURNING.

ROADWAY EMBANKMENT CONSTRUCTION SEQUENCE (SR-225):

THE GENERAL SEQUENCE FOR ROADWAY EMBANKMENT PREPARATION, MONITORING AND FINAL CONSTRUCTION IS PROVIDED BELOW. MODIFICATIONS TO THE CONSTRUCTION SEQUENCE MAY BE APPROVED BY THE ENGINEER.

1. PERFORM CLEARING AND GRUBBING IN ACCORDANCE WITH CMS 201.
2. REMOVE EXISTING PAVEMENT AND STRUCTURES IN ACCORDANCE WITH CMS 202.
3. INSTALL SETTLEMENT PLATFORMS AND PLACE FILL EMBANKMENT IN ACCORDANCE WITH ITEM 203 TO THE FINAL GRADES AS SHOWN ON THE PLANS. NO MORE THAN 4 FEET OF FILL MAY BE PLACED DURING A 24 HOUR PERIOD.
4. MONITOR INSTRUMENTATION THROUGHOUT THE WAITING PERIOD.
5. FOLLOWING APPROVAL FROM THE ENGINEER THAT THE EMBANKMENT HAS REACHED THE REQUIRED 95% CONSOLIDATION, CONSTRUCT THE PAVEMENT (UP TO INTERMEDIATE COURSE), GUARDRAIL AND OTHER APPURTENANCES.
6. PLACE A SCRATCH COURSE OF INTERMEDIATE COURSE ASPHALT TO PLAN ELEVATIONS.
7. PLACE THE SURFACE COURSE OF ASPHALT AND ANY OTHER APPURTENANCES.

THE DATA FROM THE SETTLEMENT PLATFORMS WILL BE USED BY THE ENGINEER TO EVALUATE IF THE CONSOLIDATION REQUIREMENTS HAVE BEEN ACHIEVED (95% PRIMARY CONSOLIDATION REQUIRED). A WAITING PERIOD OF 7 MONTHS IS ESTIMATED TO ACHIEVE THE REQUIRED CONSOLIDATION.



SETTLEMENT PLATFORM DETAILS

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<p>DESIGN AGENCY PRIME 540 WHITE OAK DRIVE, SUITE E AKRON, OHIO 44320</p>
<p>DATE: 1/29/2021 REVIEWED: KDC DRAWN: JAT DESIGNED: JAT CHECKED: KDC</p>
<p>STRUCTURE FILE NUMBER: 7605927 REVISOR: REVISED</p>
<p>SETTLEMENT PLATFORM DETAILS BRIDGE NO. STA-225-0059C US-225 OVER US-62T</p>
<p>STA -62T / 225 - 01.37R & 01.38L / 00.59 PID No. 102870</p>
<p>3 / 3</p>
<p>194 204</p>