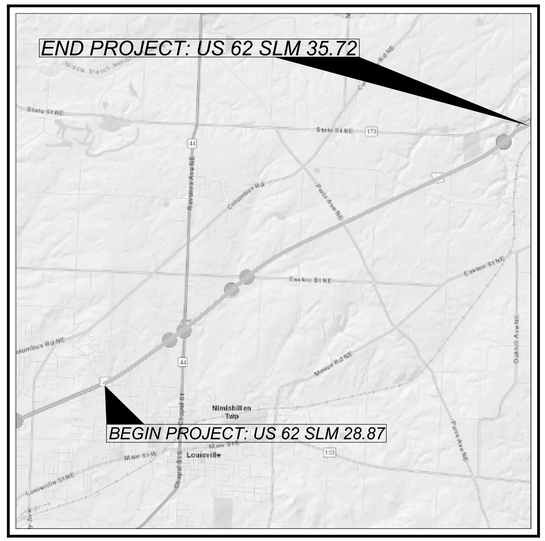
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

STA-62-26.72

CITY OF CANTON & LOUISVILLE
NIMISHILLEN & WASHINGTON TOWNSHIP
STARK COUNTY



LOCATION MAP

LATITUDE: 40 °52'44" LONGITUDE: 81 °13'33"

PORTION TO BE IMPROVED
INTERSTATE HIGHWAY
FEDERAL ROUTES
STATE ROUTES
COUNTY & TOWNSHIP ROADS
OTHER ROADS

DESIGN DESIGNATION

CURRENT ADT (2021)	20,070
TRUCKS (24 HOUR B&C)	1,657
LEGAL SPEED	60 MPH

DESIGN FUNCTIONAL CLASSIFICATION:

URBAN PRINCIPAL ARTERIAL (SLM 26.72 TO SLM 26.84)
URBAN PRINCIPAL ARTERIAL (SLM 28.87 TO SLM 31.31)
RURAL PRINCIPAL ARTERIAL (SLM 31.31 TO SLM 35.35)
URBAN PRINCIPAL ARTERIAL (SLM 35.35 TO SLM 35.72)

NHS PROJECT ..... NO

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
ODOT DISTRICT 4, PLANNING AND ENGINEERING
2008 S. ARLINGTON ROAD
AKRON, OH 44306

INDEX OF SHEETS:

FEDERAL PROJECT NUMBER

E220(285)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

RESURFACING PROJECT ON US 62 FROM SLM 28.87 TO SLM 35.72 WITH MINOR REHABILITATION ON ONE CULVERT AND SEVEN BRIDGES IN STARK COUNTY. INCLUDES WESTBOUND RIGHT TURN LANE AND CULVERT WORK AT US-62 & KIRBY.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.84 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	1.09 ACRES

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEETS 8-10, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

DISTRICT DEPUTY DIRECTOR

DIRECTOR, DEPARTMENT OF TRANSPORTATION

STANDARD CONSTRUCTION DRAWINGS

HW-2.1	7/20/18	MT-95.30	7/19/19	TC-41.10	7/19/13		
HW-2.2	7/20/18	MT-95.40	1/17/20	TC-41.20	10/18/13		
		MT-95.45	1/17/20	TC-41.30	10/18/13		
BP-1.1	7/28/00	MT-95.50	7/21/17	TC-41.40	10/18/13		
BP-2.1	1/21/22	MT-96.11	4/16/21	TC-42.10	10/18/13		
BP-2.2	1/15/21	MT-98.10	1/17/20	TC-42.20	10/18/13		
BP-2.5	1/21/22	MT-98.11	1/17/20	TC-52.10	10/18/13		
BP-3.1	1/21/22	MT-98.20	4/19/19	TC-52.20	1/15/21		
BP-3.2	1/18/19	MT-99.20	4/19/19	TC-64.10	7/16/21		
BP-9.1	1/18/19	MT-101.60	1/17/20	TC-65.10	1/17/14		
DM-1.1	7/17/20	MT-101.70	1/17/20	TC-65.11	7/15/22		
DM-4.1	7/17/20	MT-101.75	1/17/20	TC-71.10	7/15/22		
DM-4.3	1/15/16	MT-101.90	7/17/20	TC-73.20	1/17/20		
DM-4.4	1/15/16	MT-102.10	1/17/20				
		MT-105.10		MGS-1.1	7/16/21		
				MGS-6.1	1/19/18		

Added

872 and 874 Removed

SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
800-2019	SEE PROPOSAL	WPC	11/30/22
807	1/21/22		
821	4/20/12		
832	7/15/22		
833	1/21/22		
850	4/15/22		
875	1/18/19		
921	4/20/12		

ENGINEER'S SEAL

STATE OF OHIO
MARK J. ANDRASIK
E-80194
REGISTERED
PROFESSIONAL ENGINEER

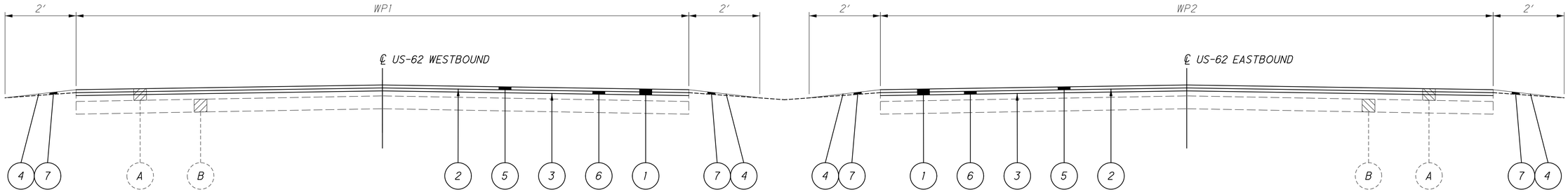
TITLE SHEET

DESIGN AGENCY

DESIGNER CMR
REVIEWER MJA 11-30-22
PROJECT ID 112749
SHEET P.1 TOTAL P.34

STA-62-26.72

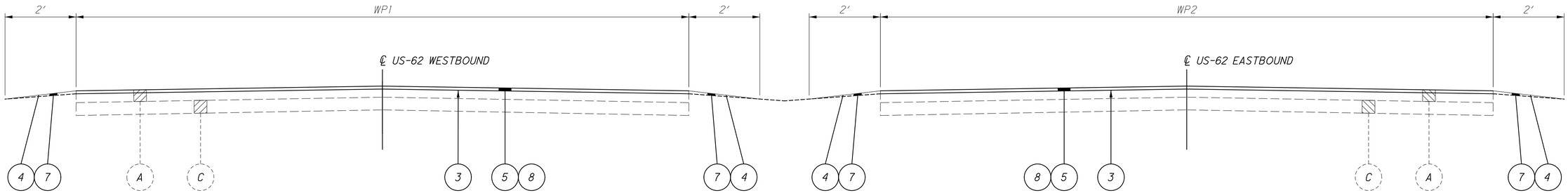
MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/23/2023 TIME: 1:06:29 PM USER: crees
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 04\Stark\112749\400-Engineering\Roadway\Sheets\112749_GT001.dgn



SECTION 1 APPLIES US-62 WB:				
ROUTE	SLM		WP1 (FEET)	LENGTH (MILES)
	FROM	TO		
US-62	28.87	29.47	36	0.60
US-62	29.47	29.73	36	0.26
US-62	29.73	30.12	36	0.39

SECTION 1 APPLIES US-62 EB:				
ROUTE	SLM		WP2 (FEET)	LENGTH (MILES)
	FROM	TO		
US-62	28.87	29.47	36	0.60
US-62	29.47	29.73	36	0.26
US-62	29.73	30.12	36	0.39

TYPICAL SECTION 1



SECTION 2 APPLIES US-62 WB:				
ROUTE	SLM		WP1 (FEET)	LENGTH (MILES)
	FROM	TO		
US-62	30.12	31.31	36	1.19
US-62	31.31	35.35	36	4.04
US-62	35.35	35.72	36	0.37

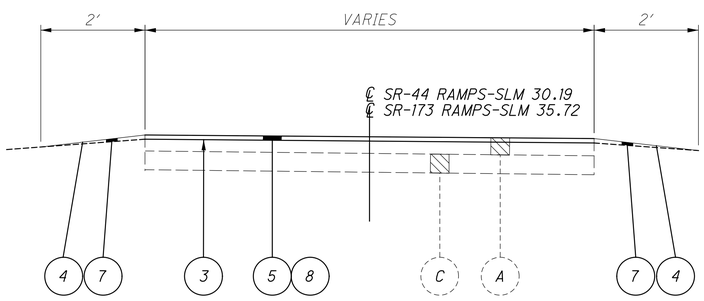
TYPICAL SECTION 2

SECTION 2 APPLIES US-62 EB:				
ROUTE	SLM		WP2 (FEET)	LENGTH (MILES)
	FROM	TO		
US-62	30.12	31.31	36	1.19
US-62	31.31	35.35	36	4.04
US-62	35.35	35.72	36	0.37

LEGEND

1. *254, PAVEMENT PLANING, ASPHALT CONCRETE (T=2½")*
2. *407, NON-TRACKING TACK COAT @ 0.06 GAL/SY*
3. *407, NON-TRACKING TACK COAT @ 0.09 GAL/SY*
4. *408, PRIME COAT, AS PER PLAN @ 0.40 GAL/SY*
5. *441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN (PG70-22M) (T=1¼"), AS PER PLAN*
6. *441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (T=1¼")*
7. *617, COMPACTED AGGREGATE, AS PER PLAN (T=2")*
8. *897, PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T=1¼"±)*

- A *EXISTING ASPHALT CONCRETE SURFACE (SLM 28.87-30.12 - T=5.5")*
  (SLM 30.12-35.72 - T=3")
- B *EXISTING CONCRETE BASE (T=9")*
- C *EXISTING CRACK AND SEAT BASE*



TYPICAL SECTION 3

SECTION 3 APPLIES US-62 RAMPS:			
RAMP	SLM	WP (FEET)	LENGTH (MILES)
A	30.01	22	0.29
B	30.10	23	0.42
B SPUR	30.10	29	0.02
C	30.41	23	0.31
D	30.34	23	0.46
E	35.44	26	0.37
F	35.45	26	0.29

Updated

ACCELERATION AND DECELERATION LANES, AND GORES ARE INCLUDED IN THE RAMP CADD GENERATED AREAS ON PAGE 13.

Added

TYPICAL SECTION

DESIGN AGENCY

DESIGNER CMR

REVIEWER MJA 11-30-22

PROJECT ID 112749

SHEET P.2 TOTAL P.34

STA-62-26.72

UTILITIES

THE CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.07 AND 107.16 IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, OHIO811, THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 HEADQUARTERS (MICHELLE CHANEY AT 330-786-2267) AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ALL AREAS.

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE PLANS, BUT CAN BE OBTAINED FROM THE OWNERS OF THE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.

AEP
ATTN: JULIE NOVAK
330-438-7707

AT&T
ATTN: JEFF ZEHNER
330-524-4725 CELL

CITY OF CANTON WATER DEPARTMENT
ATTN: LEWIS MILLER
330-489-3310

CHARTER COMMUNICATIONS
ATTN: TIME KLOTZ
330-238-6300 CELL

DOMINION ENERGY
ATTN: ADAM J. KEARNS
330-664-4485

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY (AS SHOWN ON THE TYPICAL SECTIONS).

PAVEMENT MARKING LANE WIDTHS

THE NORMAL LANE WIDTH FOR THE PAVEMENT MARKINGS ON THIS PROJECT SHALL BE AS FOLLOWS:
US 62 S.L.M. 28.87 TO S.L.M. 35.72 LANE WIDTH 12'

PAVEMENT MARKING DETAILS

THE PAVEMENT MARKING DETAIL SHEETS HAVE BEEN SUPPLIED AS REFERENCE DOCUMENTS FOR THIS PROJECT AND ARE AVALIBLE ON THE ODOT FTP SITE AT https://ftp.dot.state.oh.us/pub/contracts/Attach/ FOR THIS PROJECT. FOR ANY LOCATIONS THAT PAVEMENT MARKING DETAILS HAVE NOT BEEN MADE AVAILABLE TO THE CONTRACTOR, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO PUT BACK NEW PAVEMENT MARKINGS IN THE ORIGINAL LOCATIONS.

ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN

IN LOW SHOULDER AREAS EXCEEDING 1", AND ADJACENT TO THE SAFETY EDGE, OR AS DIRECTED BY THE ENGINEER, RECYCLED ASPHALT PAVEMENT (RAP) SHALL BE USED IN AREAS ADJACENT TO THE PAVED BERM. THE RAP SHALL HAVE A MINIMUM PG CONTENT OF 4.5% AND MEET THE FOLLOWING GRADATION. ONCE THE STOCKPILE MEETS THE GRADATION, THE PG CONTENT OF THE RAP SHALL BE DETERMINED PER 441.03. THE RAP ANALYSIS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL 2 WEEKS PRIOR TO USE. METHOD OF MEASUREMENT SHALL BE AS PER 617.06. PLACEMENT AND COMPACTION SHALL MEET THE REQUIREMENTS OF ITEM 617. ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 617 COMPACTED AGGREGATE, AS PER PLAN.

MODIFIED GRADATION SHALL APPLY:

SIEVE	TOTAL PERCENT PASSING
1- 1/2"	100
3/4"	50-100
NO. 4	35-70
NO. 30	9-33
NO. 200	0-13

ITEM 408 - PRIME COAT, AS PER PLAN

APPLY "MC-70" AT A RATE OF 0.4 GALLONS PER SQUARE YARD, OR AS DETERMINED BY THE ENGINEER, TO THE COMPLETED COMPACTED AGGREGATE SHOULDER.

ITEM 203 - EXCAVATION (FOR PAVEMENT REPAIR)

THIS ITEM OF WORK SHALL CONSIST OF REMOVING AND DISPOSING OF ALL UNSUITABLE MATERIAL BY EXCAVATING THE EXISTING SUBGRADE AND SUBBASE TO AN AVERAGE DEPTH OF 6 INCHES OR AS DIRECTED BY THE ENGINEER. EXACT LIMITS OF REMOVAL SHALL BE DETERMINED BY THE ENGINEER. ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 EXCAVATION (FOR PAVEMENT REPAIR). THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:
203, EXCAVATION (FOR PAVEMENT REPAIR) 67 CU YD

ITEM 304 - AGGREGATE BASE (FOR PAVEMENT REPAIR)

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN PROVIDED AND SHALL BE USED AS DIRECTED BY THE ENGINEER TO BACKFILL AREAS WHICH WERE EXCAVATED UNDER ITEM 203 EXCAVATION (FOR PAVEMENT REPAIR). THE FOLLOWING ESTIMATEDQUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:
304, AGGREGATE BASE (FOR PAVEMENT REPAIR) 67 CU YD

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN (PG70-22M)

703.05 DO NOT USE ANY FINE OR COARSE AGGREGATE WITH A 'SR' OR 'SRH' DESIGNATION ACCORDING TO THE OFFICE OF MATERIALS MANAGEMENT (OMM) IN ANY JOB MIX FORMULA (JMF) FOR THIS ITEM.

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN (PG70-22M)

703.05 DO NOT USE ANY FINE OR COARSE AGGREGATE WITH A 'SR' OR 'SRH' DESIGNATION ACCORDING TO THE OFFICE OF MATERIALS MANAGEMENT (OMM) IN ANY JOB MIX FORMULA (JMF) FOR THIS ITEM.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441)

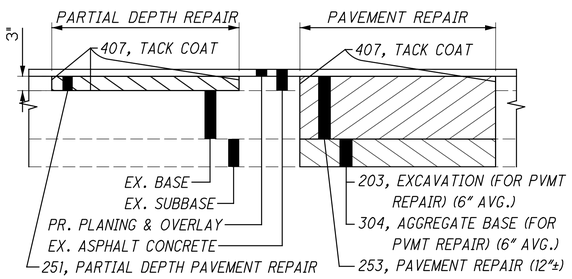
A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION AND PLACING ITEM 441 ASPHALT CONCRETE, TYPE 2. THE ASPHALT CONCRETE SHALL BE COMPACTED WITH A TYPE I PNEUMATIC TIRE ROLLER AND A STEEL WHEEL ROLLER AS PER 401.13. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. PAVEMENT REPAIRS WILL BE MARKED IN THE FIELD BY THE PROJECT ENGINEER ACCORDING TO CMS 251.02. MINIMUM WIDTH IS 2'. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF MAINLINE PAVEMENT PLANING FROM SLM 28.87-30.12. THIS ITEM SHALL BE PERFORMED PRIOR TO MAINLINE PAVEMENT PLANING AND SHALL BE 3" DEEP OR TO THE TOP OF THE CONCRETE BASE, WHICHEVER IS FIRST, FROM SLM 30.12-35.72. ALSO, THIS ITEM SHALL COMMENCE WITHIN 7 DAYS OF THE COMPLETION OF MAINLINE PAVEMENT PLANING. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

251, PARTIAL DEPTH PAVEMENT REPAIR (441), 2,000 SQ. YD.

ITEM 253 - PAVEMENT REPAIR (SLM 28.87-30.12)

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THIS ITEM SHALL CONSIST OF CUTTING AND REMOVING DETERIORATED PAVEMENT FULL DEPTH AND PLACING 12"' 301 ASPHALT CONCRETE BASE, PG64-22. THE MAXIMUM COMPACTED DEPTH OF ANY ONE LAYER SHALL BE 6 INCHES. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF MAINLINE PAVEMENT PLANING. ALSO, THIS ITEM SHALL COMMENCE WITHIN 7 DAYS OF THE COMPLETION OF MAINLINE PAVEMENT PLANING. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REMOVED AND REPLACED TO THE LIMITS DESIGNATED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:
253, PAVEMENT REPAIR, 400 SQ YD
255, FULL DEPTH PAVEMENT SAWING, 2,400 FT

Changed to 12"



INTERSECTIONS

INTERSECTIONS WILL BE RESURFACED 10 FT. BEYOND THE EDGE LINE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR INDICATED IN THE PLAN. INTERSECTIONS SHALL BE PAVED AFTER COMPLETION OF THE SURFACE COURSE OR WITH THE MAINLINE PAVEMENT IF THIS CAN BE ACCOMPLISHED WITHOUT CHANGING THE VELOCITY AND DIRECTION OF THE PAVER. USE THE SAME ASPHALT CONCRETE AS THE MAINLINE PAVEMENT. A BUTT JOINT, AS PER STANDARD CONSTRUCTION DRAWING BP-3.1, SHALL BE USED TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING PAVEMENT. ANY GRADING OR PRIME NECESSARY TO ACCOMPLISH THIS WORK SHALL BE INCLUDED IN THE COST OF THE ASPHALT SURFACE COURSE.

LINEAR GRADING

AREAS WHERE THE SHOULDER IS HIGHER THAN THE EDGE OF PAVEMENT WILL BE GRADED TO PROVIDE POSITIVE DRAINAGE. THIS WORK WILL ONLY BE PERFORMED IN AREAS NECESSARY AND WILL NOT BE PERFORMED ON THE ENTIRE PROJECT. AREAS FOR THE WORK WILL BE MARKED BY THE PROJECT ENGINEER. UNDER NO CIRCUMSTANCES WILL THIS WORK BE PERFORMED CONCURRENTLY WITH ANY OTHER OPERATION.

GRADING WILL BE ACCOMPLISHED BY THE REMOVAL OF MATERIAL TO PROVIDE A 0.08 POSITIVE SLOPE. THE GRADED AREAS WILL BE COMPACTED TO A SUFFICIENT DENSITY TO PREVENT EROSION UNTIL SEEDING AND MULCHING IS PERFORMED. ALL EXCESS MATERIAL WILL BE REMOVED FROM THE BERMS AND WILL BE DISPOSED OF OFF THE PROJECT BY THE CONTRACTOR.

SEEDING AND MUCHING, FERTILIZER AND LIME WILL BE PERFORMED WITHIN A PERIOD NOT TO EXCEED 10 DAYS AFTER THE LINEAR GRADING.

THE QUANTITY OF ITEM 209 IS NOT PERMITED TO BE INCREASED. REDUCTIONS IN QUANTITIES ARE PERMITTED AS DETERMINED BY THE PROJECT ENGINEER.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK WILL BE INCLUDED IN THE UNIT PRICE FOR THE PERTINENT BID ITEM. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

209, LINEAR GRADING, 398 STA.
659, SEEDING AND MULCHING, 22,118 SQ YD
659, COMMERCIAL FERTILIZER, 2.96 TON
659, LIME, 4.58 ACRES
659, WATER, 119.4 M. GAL.

Sign ID Note Removed

GENERAL NOTES

DESIGN AGENCY

DESIGNER CMR
REVIEWER MJA 11-30-22
PROJECT ID 112749
SHEET P.4 TOTAL P.34

STA-62-26.72

ELECTRONIC TICKETING

PURPOSE:
PROVIDE ELECTRONIC MATERIAL TICKETS IN AN ELECTRONIC FORMAT DIRECTLY RECORDED FROM THE MATERIAL LOADING SOURCE.

PROVIDE ELECTRONIC MATERIAL TICKETS FOR THE FOLLOWING MATERIALS:

ASPHALT CONCRETE

THIS NOTE IN NO WAY SUPERSEDES ANY OTHER COMMERCIAL REGULATIONS OR ANY OTHER LEGAL REQUIREMENTS REGULATING THE TRANSPORTATION OF COMMERCIAL MATERIALS.

REQUIREMENTS:

AT THE PRE-CONSTRUCTION MEETING, SUBMIT AN ELECTRONIC TICKETING PLAN TO THE ENGINEER DESCRIBING THE PROPOSED ELECTRONIC TICKET DELIVERY METHOD. THE ELECTRONIC MATERIAL TICKET SHALL CONTAIN INFOMATION AS REQUIRED PER THE APPLICABLE MATERIAL SPECIFICATION FOR WEIGHT MEASUREMENT AND OTHER MATERIAL CHARACTERISTICS; PROVIDE AN EXAMPLE(S) OR A "MOCK-UP" OF THE PROPOSED ELECTRONIC TICKET TO SHOW THE DETAILS ON WHAT IS TO BE TRANSMITTED TO THE DEPARTMENT. NAMING OF THE ELECTRONIC MATERIAL TICKET FILES SHALL BE DISTINCT SUCH THAT THE TICKET'S REPRESENTED MATERIAL IS EASILY DETERMINED; INCLUDE THE PROPOSED NAMING CONVENTION. DELIVERY MAY BE THROUGH A PRODUCER WEBSITE UPLOAD ACCESSIBLE TO THE ENGINEER, ODOT PROJECT SPECIFIC SHAREPOINT DOCUMENTATION SITE UPLOAD, OR ANOTHER SECURE ELECTRONIC TRANSMITTAL MEANS. EMAILING OF A TICKET TO AN ODOT CONTACT IS ACCEPTABLE BUT IS NOT PREFERRED. THE ELECTRONIC TICKETING PLAN SHALL IDENTIFY A CONTINGENCY METHOD FOR MANUALLY CAPTURING AND DELIVERING TICKET INFORMATION IF ELECTRONIC TRANSMISSION IS TEMPORARILY UNAVAILABLE. AN ELECTRONIC TICKETING PLAN WHICH INCLUDES SOLELY THE USE OF DIGITAL PHOTOS OF PAPER TICKETS IS NOT ACCEPTABLE.

THE DEPARTMENT RECOGNIZES THAT VARIOUS DIGITAL TICKETING SYSTEMS MAY BE COMMERCIALLY AVAILABLE AND USED TO ACCOMODATE INDIVIDUAL CONTRACTORS AND MATERIAL SUPPLIER CAPABILITIES. THE CONTRACTOR MAY PROVIDE A DIGITAL TICKETING SYSTEM GIVING SECURE ACCESS TO ORGANIZED DIGITAL DATA. IF UTILIZED, THE DIGITAL TICKETING SYSTEM MAY ALSO BE ACCESSIBLE BY REAL-TIME MONITORING WITH A MOBILE COMMUNICATION DEVICE SUCH AS A TABLET, SMARTPHONE, ETC. THROUGH MOBILE DEVICE APPLICATIONS ("MOBILE APP") IF ACCEPTABLE TO THE DEPARTMENT. IF A DIGITAL TICKETING SYSTEM REQUIRES A MOBILE APP, THE MOBILE APP SHALL BE AT NO COST TO THE DEPARTMENT. THE DIGITAL DATA MUST BE ABLE TO BE EXPORTED IN A FORMAT USABLE BY THE ENGINEER UPON REQUEST (I.E. MICROSOFT WORD, MICROSOFT EXCEL, PDF FORMATS.)

DELIVER EACH ELECTRONIC MATERIAL TICKET TO THE ENGINEER PRIOR TO THE PLACEMENT OF MATERIAL, BUT NOT PRIOR TO THE LOADING OF MATERIAL AT THE SOURCE.

PROVIDE THE ENGINEER A DAILY MATERIAL SUMMARY REPORT BY THE END OF THE DAY'S HAULING ACTIVITIES, OR AT A TIME APPROVED BY THE ENGINEER. THE DAILY MATERIAL SUMMARY REPORT INCLUDES SUMMARY INFORMATION LISTED FOR EACH MATERIAL AS OUTLINED IN THE RESPECTIVE MATERIAL SPECIFICATION.

PAYMENT:

COSTS FOR THE ELECTRONIC TICKETING SHALL BE INCIDENTAL TO THE PROJECT.

CULVERT WORK - STA-62-2898 (CFN 1834056)

APPLY A SPRAY APPLIED STRUCTURAL LINER UNDER SUPPLEMENT SPECIFICATION 833. THIS WORK WILL BE PAID FOR AT THE UNIT BID PRICE FOR THE SPRAY APPLIED STRUCTURAL LINER WILL INCLUDE THE COST OF LABOR, EQUIPMENT, AND ALL INCIDENTALS REQUIRED TO COMPLETE THIS WORK.

833, CONDUIT RENEWAL USING SPRAY APPLIED STRUCTURAL LINER, ROUND CONDUIT, 175 FT

LSM Pay Item Removed

ITEM SPECIAL - SURVEY CONTROL VERIFICATION

THE CONTRACTOR SHALL PERFORM THIS WORK TO VERIFY THE PROVIDED SURVEY CONTROL. THE CONTRACTOR WILL PERFORM THE VERIFICATION USING ONE OF THE TWO METHODS BELOW DEPENDENT UPON THE CONTRACTORâ€™S CHOSEN MEANS OF SURVEY CONTROL TO BE USED ON THE PROJECT. THE WORK SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF AN OHIO LICENSED SURVEYOR.

1. IF USING GPS DEVICES TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL SURVEY CONTROL
   a. LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT.
   b. PERFORM A SITE CALIBRATION UTILIZING THE AVAILABLE HORIZONTAL AND VERTICAL CONTROL POINTS PROVIDED IN THE PLAN.
   c. PROVIDE A REPORT, SIGNED BY AN OHIO LICENSESD SURVEYOR, TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY DISCREPANCIES FOUND.
2. IF USING CONVENTIONAL SURVEY INSTRUMENTATION TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL SURVEY CONTROL
   a. LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT.
   b. LOCATE AND OBSERVE ANGLE AND DISTANCE TO ALL AVAILABLE HORIZONTAL CONTROL POINTS PROVIDE IN THE PLAN
   c. PROVIDE A REPORT, SIGNED BY AN OHIO LICENSED SURVEYOR, TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY DISCREPANCIES FOUND.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID ITEM.

ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS

ALTHOUGH NO TREES OR STUMPS ARE SPECIFICALLY MARKED FOR REMOVAL WITHIN THE PLANS, A LUMP SUM QUANTITY IS INCLUDED IN THE STRUCTURE GENERAL SUMMARY FOR ITEM 201 – CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS. SCALPING IS NOT REQUIRED FOR THIS ITEM OF WORK. ALL VEGETATION, TREE STUMPS AND TREE REMOVAL DEBRIS, AND STANDING/ DOWNED TREES SHALL BE REMOVED WITHIN 15 FEET (OR TO THE R/W LIMITS, WHICHEVER IS CLOSER) OF THE HEADWALLS, ABUTMENTS AND/OR PIERS.

ALL OTHER PROVISIONS AS SET FORTH IN THE CMS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 201 – CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS.

ITEM SPECIAL - PIPE CLEANOUT (KIRBY TURN LANE)

THIS WORK CONSISTS OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. DISPOSE OF ALL MATERIAL PER 105.16 AND 105.17 CLEAN OUT TO THE APPROVAL OF THE ENGINEER.

CLEANOUT OF THE PIPE IS PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL, PIPE CLEANOUT. THIS PRICE INCLUDES THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE.

CROSSING AND CONNECTIONS TO EXISTING PIPES AND UTILITIES (KIRBY TURN LANE)

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

Sign ID Note Removed

ITEM SPECIAL - AS-BUILT CONSTRUCTION RECORD DRAWINGS

PRIOR TO FINAL ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL FURNISH THE DEPARTMENT FORMAL AS-BUILT CONSTRUCTION RECORD-DRAWING PLANS. THE FORMAL AS-BUILT CONSTRUCTION RECORD-DRAWING SHALL INCLUDE ALL RED-LINED CHANGES. RED-LINE CHANGE SHALL BE DENOTED UTILIZING CLOUDING IN MICROSTATION (OR OTHER CAD SOFTWARE) OR CLOUDING IN PDF EDITING SOFTWARE. THE AS-BUILT CONSTRUCTION RECORD-DRAWING SHALL HAVE A SIGNED VERIFICATION ON THE TITLE SHEET FROM THE CONTRACTOR INDICATING THAT ALL RED-LINED AND FIELD CHANGES HAVE BEEN INCORPORATED INTO AS-BUILT CONSTRUCTION RECORD-DRAWINGS.

THE CONTRACTORS VERIFICATION STATEMENT INDICATES ALL KNOWN FIELD MODIFICATIONS MADE HAVE BEEN INCLUDED IN THE FORMAL RECORD-DRAWING. THE CONTRACTORS VERIFICATION STATEMENT SHALL BE SIGNED BY THE CONTRACTORS PROJECT MANAGER (OR ACCEPTABLE REPRESENTATIVE).

IN ADDITION TO THE INFORMATION SHOWN ON THE CONSTRUCTION PLANS, THE AS-BUILT CONSTRUCTION RECORD-DRAWINGS SHALL SHOW THE FOLLOWING:

1. ALL DEVIATIONS FROM THE ORIGINAL APPROVED CONSTRUCTION PLANS WHICH RESULT IN A CHANGE OF LOCATION, MATERIAL, TYPE OR SIZE OF WORK.
2. ANY UTILITIES, PIPES, WELLHEADS, ABANDONED PAVEMENTS, FOUNDATIONS OR OTHER MAJOR OBSTRUCTIONS DISCOVERED AND REMAINING IN PLACE WHICH ARE NOT SHOWN, OR DO NOT CONFORM TO LOCATIONS OR DEPTHS SHOWN IN THE PLANS. UNDERGROUND FEATURES SHALL BE SHOWN AND LABELED ON THE RECORD-DRAWING PLAN IN TERMS OF STATION, OFFSET AND ELEVATION.
3. THE FINAL OPTION AND SPECIFICATION NUMBER SELECTED FOR THOSE ITEMS WHICH ALLOW SEVERAL MATERIAL OPTIONS UNDER THE SPECIFICATION (E.G., CONDUIT).
4. CHANGES TO THE PAY ITEMS AND FINAL QUANTITIES AS PAID SHALL BE SHOWN ON THE GENERAL SUMMARY AND SUBSUMMARIES.
5. ADDITIONAL PLAN SHEETS MAY BE NEEDED IF NECESSARY TO SHOW WORK NOT INCLUDED IN THE CONSTRUCTION PLANS. IF ADDITIONAL PLAN SHEETS ARE NEEDED, THEY ARE REQUIRED TO BE PREPARED IN CONFORMANCE WITH THE LOCATION AND DESIGN MANUAL, VOLUME 3, SECTION 1200 - PLAN PREPARATION.

NOTATION SHALL ALSO BE MADE OF LOCATIONS AND THE EXTENT OF USE OF MATERIALS, OTHER THAN SOIL, FOR EMBANKMENT CONSTRUCTION (ROCK, BROKEN CONCRETE WITHOUT REINFORCING STEEL, ETC.).

THE PLAN INDEX SHALL SHOW THE PLAN SHEETS WHICH HAVE CHANGES APPEARING ON THEM.

TWO COPIES OF THE AS-BUILT CONSTRUCTION RECORD-DRAWINGS SHALL BE DELIVERED TO THE PROJECT ENGINEER FOR APPROVAL UPON COMPLETION OF THE PHYSICAL WORK BUT PRIOR TO THE REQUEST FOR FINAL PAYMENT. AFTER THE DEPARTMENT HAS APPROVED THE AS-BUILT CONSTRUCTION RECORD-DRAWINGS, THE ASSOCIATED ELECTRONIC FILES SHALL BE DELIVERED TO THE DISTRICT CAPITAL PROGRAMS ADMINISTRATOR. ACCEPTANCE OF THESE PLANS AND DELIVERY OF THE ASSOCIATED ELECTRONIC FILES IS REQUIRED PRIOR TO THE WORK BEING ACCEPTED AND THE FINAL ESTIMATE APPROVED.

PAYMENT FOR ALL THE ABOVE SHALL BE LUMP SUM UPON PROPER EXECUTION OF ALL WORK OF THIS ITEM AS DETERMINED BY THE PROJECT ENGINEER.

GENERAL NOTES

DESIGN AGENCY

DESIGNER
CMR

REVIEWER
MJA 11-30-22

PROJECT ID
112749

SHEET P.5 | TOTAL P.34

STA-62-26.72

MODEL: Sheet 2 PAPERSIZE: 17x11 (in.) DATE: 2/7/2023 TIME: 9:26:03 AM USER: crees
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 04\Stark\112749\400-Engineering\Roadway\Sheets\112749_GN001.dgn

ITEM 809 – STOP-LINE RADAR DETECTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING STOP-LINE RADAR DETECTION - WAVETRONIX SMARTSENSOR MATRIX DETECTION UNIT OR ADVANCE RADAR DETECTION - WAVETRONIX SMARTSENSOR ADVANCE DETECTION UNIT (MODEL SS-200E). THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

1) POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.
2) ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.
3) THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.
4) SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.
5) THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.
6) A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MIN. 7 FEET)
7) THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.
8) THE CONTRACTOR SHALL INSTALL THE RADAR DETECTION PRIOR TO MILLING/DISABLING THE EXISTING LOOPS.
9) THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION.
10) THE CONTRACTOR SHALL CONTACT THE DISTRICT OFFICE (330-786-2267) THREE WORKING DAYS PRIOR TO INSTALLING THE DETECTION TO REMOVE THE CABINET LOCKS. ANY LOOP DETECTORS DISTURBED BY THE PLANING SHOULD BE ABANDONED IN PLACE.
11) THE CONTRACTOR SHALL DISCONNECT AND LEAVE THE LOOP DETECTOR AMPLIFIERS IN THE CONTROLLER.

PAYMENT FOR EACH DETECTION UNIT SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT AND CONNECTIONS TESTED AND ACCEPTED, AND ANY OTHER NECESSARY HARDWARE TO ESTABLISH A FULLY FUNCTIONAL DETECTION SYSTEM.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:
ITEM 809 – STOP-LINE RADAR DETECTION, AS PER PLAN, 6 EACH

INTERSECTION	SLM	STOP LINE RADAR DETECTION, AS PER PLAN	STOP LINE DIRECTION
US 62 @ CALIFORNIA	28.95	4	US 62 EB & WB, CALIFORNIA NB & SB
US 62 @ PARIS	32.80	2	PARIS NB & SB

MAINTENANCE OF TRAFFIC

DESIGN AGENCY

DESIGNER CMR

REVIEWER LB 11-30-22

PROJECT ID 112749

SHEET P.7A TOTAL P.34

STA-62-26.72

SHEET NUM.						PART.								ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	5A	13	13A	14	01/S>2/05	02/S>2/05/LOUI	03/S5K/05	04/STR/05	05/S>2/13	06/S>2/04	07/STR/13	08/SAF/21/CANT						
																		ROADWAY	
	LS												LS	201	11000	LS		CLEARING AND GRUBBING	
					3								3	202	20010	3	EACH	HEADWALL REMOVED	
				645									645	202	23000	645	SY	PAVEMENT REMOVED	
					74								74	202	35100	74	FT	PIPE REMOVED, 24" AND UNDER	
					73								73	SPECIAL	20270110	73	FT	PIPE CLEANOUT, 24" AND UNDER	14
					2,134								2,134	203	10000	2,134	CY	EXCAVATION	
67						31	12	12	12					203	10000	67	CY	EXCAVATION (FOR PAVEMENT REPAIR)	
					37								37	203	20000	37	CY	EMBANKMENT	
				1,569									1,569	204	10000	1,569	SY	SUBGRADE COMPACTION	
398						126	14	20	238					209	60200	398	STA	LINEAR GRADING	
				339									339	SPECIAL	69012060	339	SY	PAVEMENT OVERLAY FABRIC COMPOSITE	13A
		2								2				SPECIAL	69098000	2	EACH	VERTICAL CLEARANCE	5A
		LS											LS	SPECIAL	69098400	LS		AS-BUILT CONSTRUCTION RECORD DRAWINGS	5
		LS			Updated								LS	SPECIAL	69098400	LS		SURVEY CONTROL VERIFICATION	5
																		EROSION CONTROL	
					2								2	601	32204	2	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	
					1								1	659	00100	1	EACH	SOIL ANALYSIS TEST	
					269								269	659	00300	269	CY	TOPSOIL	
22,118					2,421	7,004	778	1,112	13,224				2,421	659	10000	24,539	SY	SEEDING AND MULCHING	
					121								121	659	14000	121	SY	REPAIR SEEDING AND MULCHING	
					121								121	659	15000	121	SY	INTER-SEEDING	
2.96					0.34	0.94	0.1	0.14	1.78				0.34	659	20000	3.3	TON	COMMERCIAL FERTILIZER	
4.58					0.5	1.46	0.16	0.22	2.74				0.5	659	31000	5.08	ACRE	LIME	
119.4					13	37.8	4.2	6	71.4				13	659	35000	132.4	MGAL	WATER	
					178								178	670	00700	178	SY	DITCH EROSION PROTECTION	
													LS	832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
													LS	832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
													LS	832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
									5,000				15,000	832	30000	20,000	EACH	EROSION CONTROL	
					19								19	836	10000	19	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	
																		DRAINAGE	
					1.23								1.23	602	20000	1.23	CY	CONCRETE MASONRY	
					18								18	611	08900	18	FT	21" CONDUIT, TYPE B, 707.12 OR 707.24	
					80								80	611	52200	80	FT	14" X 23" CONDUIT, TYPE A, 706.04	
	175										175			833	10000	175	FT	CONDUIT RENEWAL USING SPRAY APPLIED STRUCTURAL LINER, ROUND CONDUIT, 54"	
																		PAVEMENT	
2,000						500	500	500	500					251	01000	2,000	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)	
400						100	100	100	100					253	01000	400	SY	PAVEMENT REPAIR	
				340									340	254	01000	340	SY	PAVEMENT PLANING, ASPHALT CONCRETE	
			67,423			56,440	10,983							254	01000	67,423	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T = 2 1/2")	
2,400						600	600	600	600					255	20000	2,400	FT	FULL DEPTH PAVEMENT SAWING	
				124									124	301	56000	124	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
				260									260	304	20000	260	CY	AGGREGATE BASE	
67						31	12	12	12					304	20000	67	CY	AGGREGATE BASE (FOR PAVEMENT REPAIR)	
				1,520									1,520	305	15010	1,520	SY	11" CONCRETE BASE, CLASS QC 1P	
			33,443	216		13,895	1,648	2,193	15,707				216	407	20000	33,659	GAL	NON-TRACKING TACK COAT	
			14,888			5,500	488	1,315	7,585					408	10001	14,888	GAL	PRIME COAT, AS PER PLAN	4
			8,820			3,812	509	549	3,950					441	00100	8,820	CY	ANTI-SEGREGATION EQUIPMENT	
			11,342			4,053	382	847	6,060					441	50101	11,342	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN (PG70-22M)	4
			2,342			1,960	382							441	50200	2,342	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	4
136													136	441	70101	136	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN PG70-22M	4
																			4
				136									136	441	70200	136	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449)	
			2,068			764	67	183	1,054					617	10101	2,068	CY	COMPACTED AGGREGATE, AS PER PLAN	4
			144,672			46,040	5,492	7,815	85,325					618	40100	144,672	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
			16,749			6,187	550	1,479	8,533					875	10000	16,749	LB	LONGITUDINAL JOINT ADHESIVE	
			259,202			60,312		24,373	174,517					897	01010	259,202	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T = 1 1/4")	

GENERAL SUMMARY

STA-62-26.72

DESIGN AGENCY

DESIGNER CMR

REVIEWER MJA 11-30-22

PROJECT ID 112749

SHEET P.11 TOTAL P.34

SHEET NUM.						PART								ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
6	7	8	15	16	17	01/S>2/05	02/S>2/05/LOUI	03/S5K/05	04/STR/05	05/S>2/13	06/S>2/04	07/STR/13	08/SAF/21/CANT						
																		TRAFFIC CONTROL	
			1,094			410	34	80	560				10	621	00100	1,094	EACH	RPM	
			876			328	28	64	448				8	621	54000	876	EACH	RAISED PAVEMENT MARKER REMOVED	
				185						111	30	44		630	02100	185	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
				30						18		12		630	80100	30	SF	SIGN, FLAT SHEET	
				20						14	4	2		630	80100	20	SF	SIGN, FLAT SHEET, 730.20	
				22						12	3	7		630	84900	22	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
				17						10	3	4		630	86002	17	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
					5	3		2						642	01322	5	EACH	WRONG WAY ARROW, TYPE 1	
					0.01	0.01								646	10200	0.01	MILE	CENTER LINE	
					535	325		50	148				12	646	10400	535	FT	STOP LINE	
					520	235		85	200					646	10600	520	FT	TRANSVERSE/DIAGONAL LINE	
					33	18			10				5	646	20300	33	EACH	LANE ARROW	
					29.57	10.18	1.05	2.08	16.15				0.11	807	12010	29.57	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6"	
					13.7	4.35	0.53	0.73	8.09					807	12110	13.7	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6"	
					7,095	4,810		900	1,060				325	807	12310	7,095	FT	WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZING LINE, 12"	
					4,200	2,530		1,420					250	807	12410	4,200	FT	WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, 6"	
					43.27	14.54	1.56	2.82	24.24				0.11	850	10010	43.27	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
					4,200	2,530		1,420					250	850	10110	4,200	FT	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
					7,095	4,810		900	1,060				325	850	10130	7,095	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	
					0.16							0.16		850	20010	0.16	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRETE)	
																		STRUCTURE REPAIRS	
																		FOR STA-44-1436 ESTIMATED QUANTITIES	30
																		FOR STA-62-2758 ESTIMATED QUANTITIES	30
					Updated													FOR STA-62-2994 ESTIMATED QUANTITIES	30
																		FOR STA-62-3103 ESTIMATED QUANTITIES	30
																		FOR STA-62-3129 ESTIMATED QUANTITIES	30
																		FOR STA-62-3525R ESTIMATED QUANTITIES	30
																		FOR STA-62-3526L ESTIMATED QUANTITIES	30
																		MAINTENANCE OF TRAFFIC	
200						50	50	50	50					614	11110	200	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	1												1	614	12380	1	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
	LS												LS	614	12420	LS		DETOUR SIGNING	
20						5	5	5	5					614	13000	20	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
		23											23	614	13310	23	EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	
		23											23	614	13360	23	EACH	OBJECT MARKER, TWO WAY	
	10												10	614	18601	10	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	7
16.2						5	11.2							614	20010	16.2	MILE	WORK ZONE LANE LINE, CLASS I, 6"	
13.7						2.5	11.2							614	20560	13.7	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
0.02						0.02								614	21000	0.02	MILE	WORK ZONE CENTER LINE, CLASS I	
0.01						0.01								614	21550	0.01	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
29.84							29.46						0.38	614	22360	29.84	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
4,680						3,420	1,260							614	23000	4,680	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	
5,400						3,200	2,200							614	23010	5,400	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12"	
2,970						1,710	1,260							614	23680	2,970	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
3,800						1,600	2,200							614	23690	3,800	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	
728						410	318							614	26000	728	FT	WORK ZONE STOP LINE, CLASS I	
523						205	318							614	26610	523	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
	20												20	616	10000	20	MGAL	WATER	
		1,115											1,115	622	41100	1,115	FT	PORTABLE BARRIER, UNANCHORED	
																		INCIDENTALS	
									LS					614	11000	LS		MAINTAINING TRAFFIC	
									6					619	16010	6	MNTH	FIELD OFFICE, TYPE B	
									LS					623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
									LS					624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

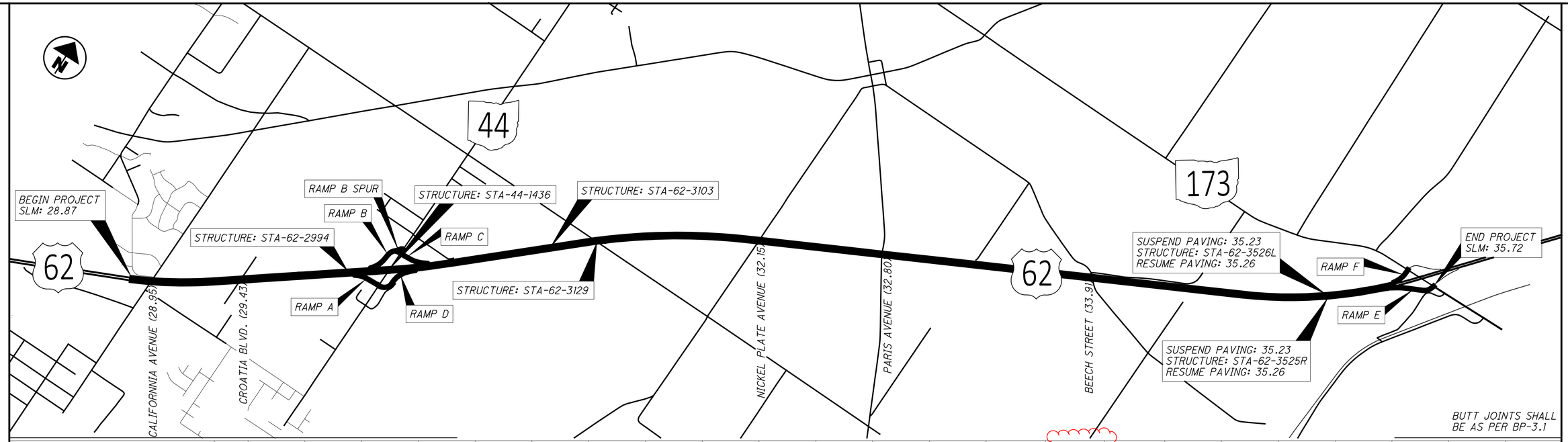
DESIGNER
CMR

REVIEWER
MJA 11-30-22

PROJECT ID
112749

SHEET P.12 | TOTAL P.34

STA-62-26.72



PAVEMENT CALCULATIONS

SLM RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	254 PAVEMENT PLANING, ASPHALT CONCRETE (T = 2 1/2")	407 NON-TRACKING TACK COAT @ 0.06 GAL/SY	407 NON-TRACKING TACK COAT @ 0.09 GAL/SY	408 PRIME COAT, AS PER PLAN @ 0.4 GAL/SY	441 ANTI-SEGREGATION EQUIPMENT	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN (PG70-22M)(T = 1 1/4")	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) (T = 1 1/4")	617 COMPACTED AGGREGATE, AS PER PLAN (T=2")	618 RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	875 LONGITUDINAL JOINT ADHESIVE @ 1LB/5FT	897 PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T = 1 1/4")							
					FT	FT	SY	SY	SY	GAL	GAL	GAL	CY	CY	CY	CY	FT	LB	SY							
US-62 EB																										
28.87	TO	29.47	1		3168.00	36.00	12672.00		12672.00	760.32	1140.48	563.20	586.67	440.00	440.00	78.22	6336.00	633.60								
29.47	TO	29.73	1		1372.80	36.00	5491.20		5491.20	329.47	494.21	244.05	254.22	190.67	190.67	33.90	2745.60	274.56								
29.73	TO	30.12	1		2059.20	36.00	8236.80		8236.80	494.21	741.31	366.08	381.33	286.00	286.00	50.84	4118.40	411.84								
30.12	TO	31.31	2		6283.20	36.00	25132.80				2261.95	1117.01	581.78	872.67		155.14	12566.40	1256.64	25132.80							
31.31	TO	35.35	2		21331.20	36.00	85324.80				7679.23	3792.21	1975.11	2962.67		526.70	42662.40	4266.24	85324.80							
35.35	TO	35.72	2		1953.60	36.00	7814.40				703.30	347.31	180.89	271.33		48.24	3907.20	390.72	7814.40							
US-62 WB																										
28.87	TO	29.47	1		3168.00	36.00	12672.00		12672.00	760.32	1140.48	563.20	586.67	440.00	440.00	78.22	6336.00	633.60								
29.47	TO	29.73	1		1372.80	36.00	5491.20		5491.20	329.47	494.21	244.05	254.22	190.67	190.67	33.90	2745.60	274.56								
29.73	TO	30.12	1		2059.20	36.00	8236.80		8236.80	494.21	741.31	366.08	381.33	286.00	286.00	50.84	4118.40	411.84								
30.12	TO	31.31	2		6283.20	36.00	25132.80				2261.95	1117.01	581.78	872.67		155.14	12566.40	1256.64	25132.80							
31.31	TO	35.35	2		21331.20	36.00	85324.80				7679.23	3792.21	1975.11	2962.67		526.70	42662.40	4266.24	85324.80							
35.35	TO	35.72	2		1953.60	36.00	7814.40				703.30	347.31	180.89	271.33		48.24	3907.20	390.72	7814.40							
RAMPS																										
RAMP A - SLM 30.01			3					3539.55	3539.55	212.37	318.56	272.21	178.77	122.90	122.90	37.81		306.24								
RAMP B - SLM 30.10			3					5793.26	5793.26	347.60	521.39	394.24	279.87	201.15	201.15	54.76		443.52								
RAMP B SPUR - SLM 30.10			3					308.24	308.24	18.49	27.74	18.77	16.98	10.70	10.70	2.61		21.12								
RAMP C - SLM 30.41			3					3604.51			324.41	290.99	87.07	125.16		40.41		327.36	3604.51							
RAMP D - SLM 30.34			3					6219.73			559.78	431.79	150.24	215.96		59.97		485.76	6219.73							
RAMP E - SLM 35.44			3					5301.00			477.09	347.31	113.27	184.06		48.24		390.72	5301.00							
RAMP F - SLM 35.45			3					3442.27			309.80	272.21	73.55	119.52		37.81		306.24	3442.27							
INTERSECTIONS																										
SLM 28.95, 29.43					10.00	VARIES	VARIES	4864.90	4864.90	291.89	437.84			168.92	168.92												
SLM 32.15, 32.80, 33.91					10.00	VARIES	VARIES	3676.89			330.92			127.67					3676.89							
TURNAROUND																										
SLM 29.85, 30.86								338.79	116.77	7.01	30.49			11.76	4.05				222.02							
SLM 35.16								191.29			17.22			6.64					191.29							
								SUBTOTALS	67422.72	4045.36	29396.20	14887.25	8819.73	11341.13	2341.07	2067.67	144672.00	16748.16	259201.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
								TOTALS CARRIED TO GENERAL SUMMARY	67423	4046	29397	14888	8820	11342	2342	2068	144672	16749	259202	0	0	0	0	0	0	0

Added

Changed

DESIGN AGENCY

DESIGNER
CMR

REVIEWER
MJA 11-30-22

PROJECT ID
112749

SHEET P.13 TOTAL P.34

STA-62-26.72

LOCATION								621	621	621	621		621	
COUNTY	ROUTE	SECTION (S.L.M.)						RPM (YELLOW/YELLOW)	RPM (WHITE/RED)	RPM (WHITE)	RPM (YELLOW/RED)		RAISED PAVEMENT MARKER REMOVED	REMARKS
		FROM	TO					EACH	EACH	EACH	EACH		EACH	
STA	62	28.87	29.47						122				98	
STA	62	29.47	29.73						34				27	
STA	62	29.73	31.31						78	139			174	
STA	62	31.31	35.35						560				448	
STA	62	35.35	35.72						49				39	
STA	62	RAMPS A, B, B SPUR, C, AND D							22		49		57	
STA	62	RAMPS E AND F							11		20		25	
STA	62	STA 8+00 TO 17+50								10			8	
TOTALS CARRIED TO GENERAL SUMMARY									876	149	69		876	

Updated

RPM SUBSUMMARY

STA-62-26.72

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 2/7/2023 TIME: 9:27:43 AM USER: crees
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 04\Stark\112749\400-Engineering\Roadway\Sheets\112749_GS001.dgn

DESIGN AGENCY

DESIGNER
CMR

REVIEWER
MJA 11-30-22

PROJECT ID
112749

SHEET P.15 TOTAL P.34

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 17TH EDITION, INCLUDING THE 2012 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL, 2019.

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.

PROPOSED WORK:

STA-62-2758 (OVER NIMISHILLEN CREEK)
- -ZINC SPRAY THE RUSTED AREAS OF THE CORRUGATED METAL
- -REPAIR EROSION BEHIND THE WINGWALLS AT THE INLET AND OUTLET OF THE STRUCTURE
- -CLEARING AND GRUBBING 15' AROUND STRUCTURE TO REMOVE ALL VEGETATION
- -PROVIDE NEW CORRECT STRUCTURE IDENTIFICATION SIGNS

STA-62-2994 (OVER NIMISHILLEN CREEK)
- -ZINC SPRAY THE RUSTED AREAS OF THE CORRUGATED METAL
- -REPAIR EMBANKMENT EROSION BEHIND AT THE INLET AND OUTLET OF THE STRUCTURE
- -CLEAR CHANNEL OF DEBRIS AT THE INLET
- -CLEARING AND GRUBBING 15' AROUND STRUCTURE TO REMOVE ALL VEGETATION
- -PROVIDE NEW CORRECT STRUCTURE IDENTIFICATION SIGNS

STA-44-1436 (OVER STA-62-3018)
- -SEAL EXISTING WEARING SURFACE WITH GRAVITY-FED RESIN CONCRETE TREATMENT
- -PATCH ALL UNSOUND AREAS OF THE EXISTING CONCRETE WEARING SURFACE, INCLUDING THE APPROACH SLABS
- -REMOVE ALL SPALLED AREAS OF THE BOTTOM DECK FLOOR AND REPAIR WITH PATCHING & COMPOSITE FIBER WRAP
- -CLEARING AND GRUBBING 15' AROUND STRUCTURE TO REMOVE ALL VEGETATION
- -PROVIDE NEW CORRECT STRUCTURE IDENTIFICATION SIGNS

STA-62-3103 (OVER BRANCH NIMISHILLEN CREEK)
- -ZINC SPRAY THE RUSTED AREAS OF THE CORRUGATED METAL
- -REPAIR SCOUR AT THE FORWARD LEFT AND REAR RIGHT WINGWALLS
- -CLEARING AND GRUBBING 15' AROUND STRUCTURE TO REMOVE ALL VEGETATION
- -PROVIDE NEW CORRECT STRUCTURE IDENTIFICATION SIGNS

STA-62-3129 (OVER STA US-62)
- -SEAL EXISTING WEARING SURFACE WITH GRAVITY-FED RESIN CONCRETE TREATMENT
- -PATCH ALL UNSOUND AREAS OF THE EXISTING CONCRETE WEARING SURFACE, INCLUDING THE APPROACH SLABS
- -CLEARING AND GRUBBING 15' AROUND STRUCTURE TO REMOVE ALL VEGETATION
- -PROVIDE NEW CORRECT STRUCTURE IDENTIFICATION SIGNS

STA-62-3525R (OVER BEECH CREEK)
- -BRIDGE DECK GROOVING
- -SEAL EXISTING WEARING SURFACE WITH GRAVITY-FED RESIN CONCRETE TREATMENT
- -INSTALL NEW DRIP STRIPS
- -PATCH ALL UNSOUND AREAS OF CONCRETE SUBSTRUCTURE AND DECK EDGE, AND SEAL
- -RESET AND REFURBISH THE EXISTING ABUTMENT BEARINGS
- -CLEARING AND GRUBBING 15' AROUND STRUCTURE TO REMOVE ALL VEGETATION
- -PROVIDE NEW CORRECT STRUCTURE IDENTIFICATION SIGNS

STA-62-3526L (OVER BEECH CREEK)
- -BRIDGE DECK GROOVING
- -SEAL EXISTING WEARING SURFACE WITH GRAVITY-FED RESIN CONCRETE TREATMENT
- -INSTALL NEW DRIP STRIPS
- -PATCH ALL UNSOUND AREAS OF CONCRETE SUBSTRUCTURE AND DECK EDGE, AND SEAL
- -RESET AND REFURBISH THE EXISTING ABUTMENT BEARINGS
- -CLEARING AND GRUBBING 15' AROUND STRUCTURE TO REMOVE ALL VEGETATION
- -PROVIDE NEW CORRECT STRUCTURE IDENTIFICATION SIGNS

SPECIAL - STRUCTURES: CONCRETE SPALL REMOVAL (STA-44-1436) added

THIS WORK WILL CONSIST OF REMOVING ALL VISIBLY SPALLED AREAS OF THE BOTTOM DECK FLOOR OF STRUCTURE(S) STA-44-1436 WITHOUT SOUNDING. AFTER SPALLED CONCRETE AREAS HAVE BEEN REMOVED, REMOVAL AREAS WILL BE SEALED WITH ITEM SPECIAL - SEALING OF CONCRETE SURFACES

CONCRETE SPALL REMOVAL WILL BE PAID FOR AT THE UNIT BID PRICE FOR SPECIAL – STRUCTURE MISC.: CONCRETE SPALL REMOVAL. THIS PRICE WILL INCLUDE THE COST OF LABOR, EQUIPMENT, AND ALL INCIDENTALS REQUIRED TO COMPLETE THIS WORK.

ALL SPALLED AREAS OF THE BOTTOM DECK FLOOR OVER TRAFFIC SHALL ALSO BE PATCHED USING ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR AND ITEM 519 - SPECIAL - COMPOSITE FIBER WRAP SYSTEM AS DIRECTED BY THE PROJECT ENGINEER.

SPEC, STRUCTURES: CONCRETE SPALL REMOVAL, 120 SQ YD
ITEM SPECIAL - SEALING, SEALING OF CONCRETE SURFACES, 120 SQ YD
ITEM SPECIAL - COMPOSITE FIBER WRAP SYSTEM, 228 SF
843, PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR, 228 SF

ITEM 512 - REMOVAL OF EXISTING PAVEMENT MARKING

THE FOLLOWING QUANTITIES WILL BE USED FOR PAVEMENT MARKING REMOVAL:

STA-44-1436 - 1,842 FT
STA-62-3129 - 1,052 FT
STA-62-3525R - 574 SF
STA-62-3526L - 574 SF

ITEM SPECIAL - SEALING, SEALING OF CONCRETE SURFACES

SEAL ALL SURFACES OF CONCRETE USING BRIDGE COTE XL-70 W/SILANE, LISTED ON THE APPROVED NOISE BARRIER SUPPLIER LIST UNDER APPROVED SEALERS FOR NOISE BARRIERS LOCATED AT:
https://www.transportation.ohio.gov/static/Programs/Noise/ApprovedNoiseSuppliersList.pdf

MEET THE REQUIREMENTS OF THE BRIDGE COTE SL-70 W/SILANE TECHNICAL DATA SHEET WITH THE EXCEPTION OF THE SURFACE PREPARATION WILL FOLLOW THE REQUIREMENTS LISTED UNDER CMS 512 FOR EPOXY URETHANE SEALERS. MATCH SEALER COLOR WITH EXISTING SEALANT COLOR.

updated

ITEM SPECIAL - STRUCTURES: REPAIR OF DETERIORATED SURFACES OF THE STEEL PIPE

THE INTERIOR SURFACE OF THE STEEL PIPE SHALL BE SOLVENT CLEANED ACCORDING TO THE STEEL STRUCTURES PAINT COUNCIL SPECIFICATIONS, SSPC-SP1 TO REMOVE ALL SALTS, OIL AND GREASE FROM THE SURFACE. THE SURFACE SHALL THEN BE PREPARED ACCORDING TO SSPC-SP2, HAND TOOL CLEANING TO REMOVE ANY LOOSE SCALE AND RUST. THE SURFACE OF THE STEEL PIPE SHALL BE PREPARED AS OUTLINED ABOVE BEFORE BEGINNING ANY PAINTING OPERATIONS. THE ENGINEER SHALL DESIGNATE THE AREAS OF THE PIPE TO BE PAINTED. THE INTENT IS NOT TO PAINT THE ENTIRE TOP TWO THIRDS OF THE STEEL PIPE, BUT ONLY THOSE AREAS EXHIBITING SIGNIFICANT LOSS OF THE GALVANIZED COATING.

update

A LAYER OF INORGANIC ZINC RICH PRIMER SHALL BE APPLIED FIRST, FOLLOWED BY A ZINC RICH PAINT WITH A MINIMUM APPLICATION OF 4 ILS. THE PAINT AND PRIMER SHALL BE APPLIED PER THE MANUFACTURERS SPECIFICATIONS. THIS OPERATION SHALL FOLLOW WITHIN 24 HOURS OF THE SURFACE PREPARATION. AN ESTIMATED QUANTITY FOR THIS ITEM HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE MADE FOR ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THIS ITEM OF WORK AND SHALL BE PAID FOR IN THE UNIT PRICE BID PER SQUARE FOOT FOR ITEM SPECIAL - REPAIR OF DETERIORATED SURFACE OF THE STEEL CIRCULAR PIPE.

ITEM SPECIAL - REPAIR OF DETERIORATED SURFACES OF THE STEEL CIRCULAR PIPE

STA-62-2758 - 773 SF
STA-62-2994 - 735 SF
STA-62-3103 - 899 SF

STA-62-2758
SIZE = 16'-7" X 10'-1" PIPE
LENGTH = 240'
OHWM = 1105.3

STA-62-2994
TWIN 108" PIPE
LENGTH = 260'
OHWM = 1153.8

STA-62-3103
SIZE = 12'-6" X 7'-11" PIPE ARCH
LENGTH = 216'
OHWM = 1160.7

added

ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN

PRIOR TO THE SURFACE CLEANING SPECIFIED IN 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL. ACCEPTABLE METHODS INCLUDE HIGH-PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT, OR VACUUM ABRASIVE BLASTING.

ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN

THIS WORK CONSISTS OF RAISING OR RE-POSITIONING EXISTING STRUCTURES TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE PROJECT PLANS. SUBMIT CONSTRUCTION PLANS IN ACCORDANCE WITH C&MS 501.05. IF, DURING THE JACKING OPERATIONS, CRACKING OF THE CONCRETE SUPERSTRUCTURE, SEPARATION OF THE CONCRETE DECK FROM THE STEEL STRINGERS, OR OTHER DAMAGE TO THE STRUCTURE IS VISUALLY OBSERVED, IMMEDIATELY CEASE THE JACKING OPERATION AND INSTALL SUPPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE DAMAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER FOR APPROVAL. EPOXY INJECT ALL BEAMS THAT SEPARATE FROM THE DECK FOR A DISTANCE OF THE SEPARATION IN ACCORDANCE WITH C&MS 512.07. THE DEPARTMENT WILL NOT PAY FOR THE COST OF THIS EPOXY INJECTION OR OTHER REQUIRED REPAIRS. THE BRIDIGE BEARINGS SHALL BE FULLY SEATED ALL CONTACT AREAS. IF FULL SEATING IS NOT ATTAINED, SUBMIT A REPAIR PLAN TO THE ENGINEER. THE DEPARTMENT WILL NOT PAY FOR THE REPAIR COSTS TO ENSURE FULL SEATING ON BEARINGS. THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN.

ITEM 516 - REFURBISHING BEARING DEVICES, AS PER PLAN

THIS ITEM SHALL INCLUDE ALL WORK NECESSARY TO PROPERLY ALIGN BRIDGE BEARINGS, AS WELL AS THEIR CLEARNING AND PAINTING. INCLUDED SHALL BE THE DISASSEMBLY OF THE BEARINGS, HAND TOOL CLEANING (GRINDING IF NECESSARY), PAINTING ACCORDING TO ITEM 514, REPLACEMENT OF ANY DAMAGED SHEET LEAD WITH PREFORMED BEARING PADS (C&MS 711.21), INSTALLATION OF ANY NECESSARY STEEL SHIMS OF THE SAME SIZE AS THE BEARINGS TO PROVIDE A SNUG FIT, REALIGNMENT O FTHE UPPER BEARING PLATE BY REMOVING EXISTING WELDS AND REWELDING SO THAT THE BEARINGS ARE VERTICALLY ALIGNED AT 60 DEGREES FARENHEIT, LUBRICATING SLIDING SURFACES, AND REASSEMBLY OF THE BEARINGS. ASSURE ALL BEARINGS ARE SHIMMED ADEQUATELY AND THAT NO BEAMS AND/OR BEARING DEVICES ARE "FLOATING". AT NO ADDITIONAL COST TO THE STATE, THE CONTRACTOR MAY INSTALL NEW BEARINGS OF THE SAME TYPE AS THE EXISTING IN PLACE OF REFURBISHING THE BEARINGS. ALL WORK SHALL BE TO THE SATIFACTION OF THE ENGINEER. PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR AND MATERIALS WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 516 - REFURBISH BEARING DEVICES, AS PER PLAN.

ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS

ALTHOUGH NO TREES OR STUMPS ARE SPECIFICALLY MARKED FOR REMOVAL WITHIN THE PLANS, A LUMP SUM QUANTITY IS INCLUDED IN THE STRUCTURE GENERAL SUMMARY FOR ITEM 201 – CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS. SCALPING IS NOT REQUIRED FOR THIS ITEM OF WORK. ALL VEGETATION, TREE STUMPS AND TREE REMOVAL DEBRIS, AND STANDING/DOWNED TREES SHALL BE REMOVED WITHIN 15 FEET (OR TO THE R/W LIMITS, WHICHEVER IS CLOSER) OF THE HEADWALLS, ABUTMENTS AND/OR PIERS.

ALL OTHER PROVISIONS AS SET FORTH IN THE CMS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 201 – CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS.

STRUCTURE GENERAL NOTES

SFN 0

DESIGN AGENCY

DESIGNER	CHECKER
CMR	MJA

REVIEWER
PF 11-30-22

PROJECT ID 112749

SUBSET	TOTAL
P.1	P.6

SHEET	TOTAL
P.29	P.34

STA-62-26.72