

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

CUY-BH-FY 2024(B) APPROACH SLABS

CUYAHOGA COUNTY
GEAUGA COUNTY



LOCATION MAP

LATITUDE: 41°24 '54"N LONGITUDE: 81°36'54"W

FOR COORDINATES PER LOCATION SEE SHEETS 2-3



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

INDEX OF SHEETS:

TITLE SHEET	1
LOCATION MAPS	2-3
GENERAL NOTES	4
MAINTENANCE OF TRAFFIC	5-47
GENERAL SUMMARY	48-49
PAVEMENT MARKING SUBSUMMARY	50
STRUCTURE DATA TABLE	51
STRUCTURES (OVER 20 FOOT SPAN)	52-65

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:

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ENGINEER'S SEAL

ROADWAY

STATE OF OHIO
CHRIS W. PRETO
E-69222
REGISTERED PROFESSIONAL ENGINEER

ENGINEER'S SEAL

BRIDGE

STATE OF OHIO
JUSTIN M. ROBINSON
E-81590
REGISTERED PROFESSIONAL ENGINEER

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-2.1	01-21-22	MT-98.10	01-17-20	AS-1-15	01-20-23	800-2023 10-20-23	
BP-3.1	01-21-22	MT-98.11	01-17-20	PCB-91	07-17-20	808 07-18-19	
BP-9.1	01-18-19	MT-98.20	04-19-19			821 04-20-12	
		MT-98.21	07-21-23			832 07-21-23	
RM-4.2	04-17-20	MT-98.22	01-17-20			896 07-21-17	
		MT-98.28	01-17-20			908 10-20-17	
TC-65.10	01-17-14	MT-98.29	01-17-20			921 04-20-12	
TC-65.11	07-15-22	MT-98.30	07-16-21			987 01-16-09	
TC-72.20	07-21-23	MT-101.70	04-21-23			996 07-15-16	
		MT-101.75	07-21-23				
MT-95.30	07-19-19	MT-101.90	07-17-20				
MT-95.31	07-19-19	MT-102.10	07-21-23				
MT-95.32	04-19-19	MT-102.20	04-19-19				
MT-95.40	07-21-23	MT-104.10	04-21-23				
MT-95.41	07-21-23	MT-105.10	01-17-20				
MT-95.50	07-21-17						

LOCATION	BRIDGE NUMBER	STRUCTURAL FILE NUMBER	MUNICIPALITY
1	CUY-90-2200	1808494	VILLAGE OF BRATENAHL
2	CUY-480N-0011	1814494	CITY OF MAPLE HEIGHTS
3	CUY-480N-0036	1814532	CITY OF BEDFORD HEIGHTS
4	CUY-480N-0054	1814575	VILLAGE OF NORTH RANDALL
5	CUY-480N-0129	1811088	CITY OF WARRENSVILLE HEIGHTS
6	CUY-422-1390R	1814745	CITY OF WARRENSVILLE HEIGHTS
7	CUY-422-1390L	1814788	CITY OF WARRENSVILLE HEIGHTS
8	CUY-422-1468L	1814842	CITY OF SOLON
9	CUY-422-1468R	1814850	CITY OF SOLON
10	CUY-422-1597L	1814885	CITY OF SOLON
11	CUY-422-1597R	1814893	CITY OF SOLON
12	CUY-422-1627L	1814907	CITY OF SOLON
13	CUY-422-1627R	1814915	CITY OF SOLON
14	CUY-480N-140WE	1814753	CITY OF WARRENSVILLE HEIGHTS
15	GEA-422-0017L	2801515	BAINBRIDGE TOWNSHIP

FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF CONCRETE BRIDGE DECK AND APPROACH SLAB REPAIR ON FOURTEEN (14) STRUCTURES ALONG IR-90, IR-480N, AND US-422, IN CUYAHOGA COUNTY. THE PROJECT ALSO INCLUDES DECK SEALING ON ONE (1) STRUCTURE ALONG US-422 IN GEAUGA COUNTY (NOT SHOWN ON LOCATION MAP)

EARTH DISTURBED AREAS

THIS IS A MAINTENANCE PROJECT:
PROJECT EARTH DISTURBED AREA: N/A ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A 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.

2023 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 11-14, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

John Picuri
John Picuri, P.E., S.I.
District 12 Deputy Director

Jack Marchbanks
Jack Marchbanks, PhD
Director, Department of Transportation

TITLE SHEET

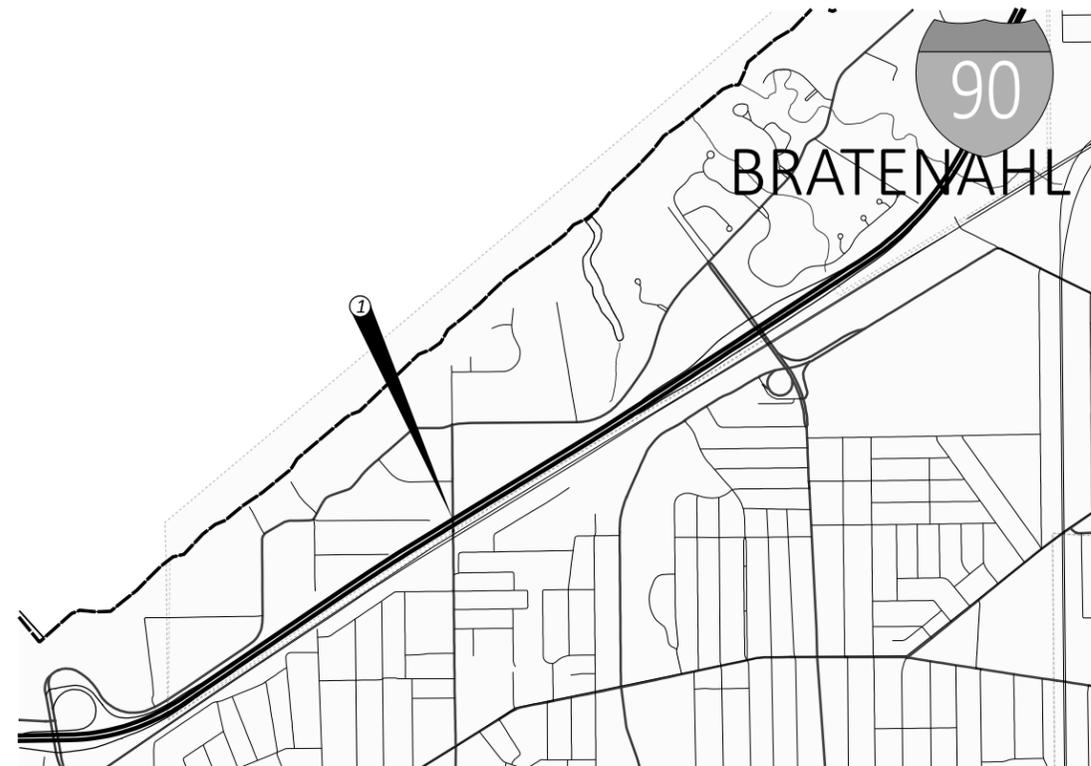
DESIGN AGENCY



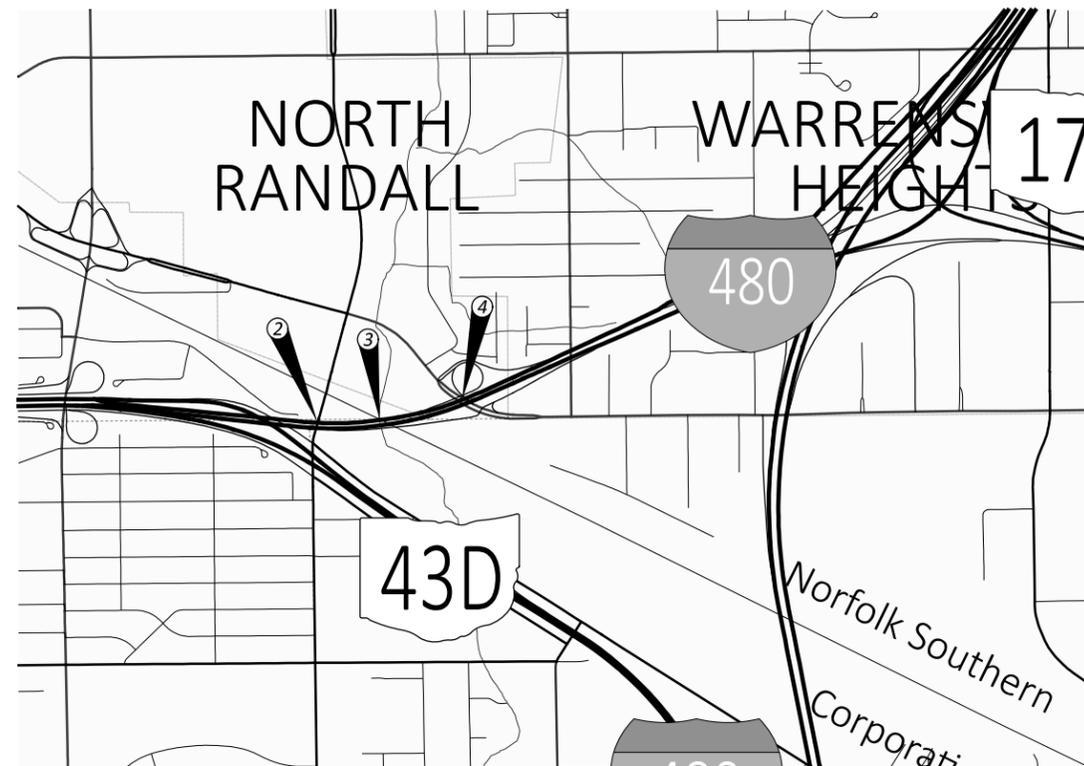
DESIGNER	CJD
REVIEWER	CWP
PROJECT ID	117899
SHEET	P.01
TOTAL	65

CUY-BH-FY2024(B) APPROACH SLABS

MODEL: Sheet_SurvF1 PAPER SIZE: 17x11 (in.) DATE: 11/16/2023 TIME: 1:53:50 PM USER: cdunlap P:\23075 ODOT D9-D12 GES\117271\Task 6 - CUY-BH-FY2024(B) Approach Slabs\117899\400-Engineering\Roadway\Sheets\117899_CJ001.dgn



LOCATION MAP FOR LOCATION 1



LOCATION MAP FOR LOCATIONS 2 THROUGH 4



LOCATION	BRIDGE NUMBER	STRUCTURAL FILE NUMBER	DESCRIPTION	LATITUDE	LONGITUDE
1	CUY-90-2200	1808494	CR 400 (EAST 105 ST)	41.545489	-81.615581
2	CUY-480N-0011	1814494	SR-8 (NORTHFIELD) & 480WB	41.424137	-81.529176
3	CUY-480N-0036	1814532	NSC RR	41.423971	-81.525904
4	CUY-480N-0054	1814575	CR-11 (MILES RD)	41.424684	-81.521223
5	CUY-480N-0129	1811088	IR-271,422WB TO GO 271SB	41.428589	-81.508191
6	CUY-422-1390R	1814745	SR 175 (02.35) RICHMOND RD	41.429403	-81.497881
7	CUY-422-1390L	1814788	SR 175 (RICHMOND RD)	41.429797	-81.497852
8	CUY-422-1468L	1814842	CR-11 (MILES RD)	41.424328	-81.484005
9	CUY-422-1468R	1814850	CR-11 (MILES RD)	41.424294	-81.484386
10	CUY-422-1597L	1814885	CR-99 (CANNON RD)	41.409588	-81.470106
11	CUY-422-1597R	1814893	CR-99 (CANNON RD)	41.409447	-81.470358
12	CUY-422-1627L	1814907	CR-18 (HARPER RD)	41.406407	-81.466988
13	CUY-422-1627R	1814915	CR-18 (HARPER RD)	41.405939	-81.466836
14	CUY-480N-140WE	1814755	SR 175 (RICHMOND RD)	41.429241	-81.497672
15	GEA-422-0017L	2801515	AURORA BRANCH OF CHAGRIN RIVER	41.388342	-81.388453

NOTES:

- FOR LOCATION MAP FOR LOCATIONS 5 THROUGH 14, SEE SHEET 3.

DESIGN AGENCY



DESIGNER	CJD
REVIEWER	CWP
DATE	11/10/23
PROJECT ID	117899
SHEET	P.02
TOTAL	65

GENERAL

UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER, OR ARE ADJACENT TO, THE WORK AREA.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 9 PM AND 7 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

EXISTING DIMENSION

ALL EXISTING DIMENSIONS ARE APPROXIMATE (±).

EXISTING PAVEMENT MARKINGS

ANY EXISTING PAVEMENT MARKINGS, INCLUDING RAISED PAVEMENT MARKINGS, THAT ARE AFFECTED BY THE PROPOSED WORK SHALL BE REPLACED IN-KIND. PAYMENT FOR THE NEW PAVEMENT MARKINGS IS AS LISTED IN THE PLANS.

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS/HER OPERATIONS WITH THE CONTRACTORS ON OTHER PROJECTS THAT MAY BE IN FORCE DURING THE LIFE OF THE CONTRACT. NO WAIVER OF ANY PROVISIONS OF 105.08 OF THE 2023 CONSTRUCTION AND MATERIAL SPECIFICATIONS IS INTENDED.

LIMITATIONS OF OPERATIONS

THE CONTRACTOR'S ACTIVITIES AND WORK SCHEDULE SHALL BE CONSTRAINED BY THE FOLLOWING LIMITATIONS:

- 1. MAINTENANCE OF TRAFFIC RESTRICTIONS (REFER TO MAINTENANCE OF TRAFFIC NOTES SHEETS WITHIN THIS PLAN).

EQUIPMENT AND MATERIAL STORAGE

IN ORDER TO PROVIDE FOR THE SAFETY OF THE TRAVELING PUBLIC, THE CONTRACTOR'S ATTENTION IS DIRECTED TO CMS 614.035. IN ADDITION, NO STORAGE OF EQUIPMENT, MATERIALS, AND VEHICLES WITHIN THE HIGHWAY RIGHT-OF-WAY WILL BE PERMITTED WITHOUT PRIOR APPROVAL FROM THE ENGINEER AND OBTAINING AN ODOT R/W PERMIT FROM THE D12 ROADWAY SERVICES. ALL RESTORATION WILL BE AT NO COST TO THE STATE.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL SUBSIDIARY AGREEMENT GOVERNING COMPLETION OF THIS PROJECT.

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.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

STAGING AREA ON/WITHIN STATE RIGHT-OF-WAY

THERE ARE NO SPECIFIC AREAS GIVEN IN THE PLANS FOR THE CONTRACTOR TO USE AS STAGING AREA(S). IF THE CONTRACTOR WANTS TO USE AN AREA(S) FOR STAGING, REGARDLESS IF IT FALLS WITHIN THE PROJECT LIMITS OR NOT, THE CONTRACTOR IS TO USE THE RIGHT OF WAY -PERMITTING SYSTEM AT HTTPS://ODHCP.BEMCORP.NET/ACCOUNTS/ACCOUNT/ACCOUNT IN ORDER TO APPLY FOR A PERMIT PER SECTION 107.02 OF THE CMS. FOR SPECIFIC PERMITTING QUESTIONS, THE CONTRACTOR CAN CONTACT THE DISTRICT PERMITTING OFFICE, (MELVIN SAFFORD) AT 216-584-2137 OR AT DISTRICT12PERMITS@DOT.OHIO.GOV.

IF A PERMIT IS GRANTED, ALL CONDITIONS OF THE PERMIT SHALL BE MET IN ADDITION TO THE REQUIREMENTS OF 104.04 OF THE CMS, AT NO ADDITIONAL COST TO THE STATE. IF THE PROJECT ENGINEER DEEMS THAT ALL THE CONDITIONS OF THE PERMIT WERE NOT MET, THEN 10% OF THE CONTRACT BID AMOUNT FOR MOBILIZATION SHALL BE WITHHELD UNTIL ALL CONDITIONS OF THE PERMIT ARE SATISFIED.

PAVEMENT

PROFILE AND ALIGNMENT

THE INTENT OF THE PROPOSED PAVEMENT IS TO UTILIZE THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT UNLESS OTHERWISE DETAILED IN THE PLANS.

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

PLANING REQUIREMENTS

THE DURATION OF TIME BETWEEN PLANING THE ASPHALT AND PLACING THE ASPHALT OVERLAY SHALL BE KEPT TO A MINIMUM. IN NO INSTANCE SHALL THIS TIME EXCEED 7 CALENDAR DAYS. THE TIME LIMIT SHALL BEGIN ON THE FIRST DAY OF PLANNING AND SHALL CONTINUE BASED ON CALENDAR DAYS, MINUS ANY WEATHER DELAYS, UNTIL COMPLETION OF THE ASPHALT CONCRETE SURFACE COURSE. THIS IS TO ENSURE THAT THE POTENTIAL DEGRADATION OF THE EXPOSED PAVEMENT DUE TO TRAFFIC IS KEPT TO A MINIMUM. THIS REQUIREMENT APPLIES TO BOTH MAINLINE AND RAMPS ALIKE.

IN THE EVENT THAT THE TIME BETWEEN EXPOSING THE EXISTING PAVEMENT AND PLACING THE ASPHALT SURFACE COURSE EXCEEDS 7 CALENDAR DAYS, LIQUIDATED DAMAGES AS PER 108.07 OF THE C&MS SHALL BE ASSESSED.

ASPHALT CONCRETE SURFACE COURSE SEALING REQUIREMENTS

IN ADDITION TO THE GUTTER SEALING REQUIREMENTS SPECIFIED IN SCD BP-3.1 AND C&MS 401.15, AFTER COMPLETION OF THE SURFACE COURSE, THE CONTRACTOR SHALL USE A CERTIFIED 702.01 PG BINDER TO SEAL THE FOLLOWING LOCATIONS:

- ALL CASTINGS INCLUDING BUT NOT LIMITED TO MONUMENTS, MANHOLES, WATER VALVES, CATCH BASINS, CURB INLETS.
• BUTT JOINTS AND FEATHER JOINTS INCLUDING BRIDGE APPROACHES.
• FORWARD JOINT FOR DRIVEWAY ASPHALT AND TRAILING JOINT WHEN BUTTING TO EXISTING ASPHALT DRIVE.
• PERIMETER OF ALL PAVEMENT REPAIRS OR OTHER ASPHALT INLAYS WHEN PAVEMENT REPAIRS/INLAYS ARE NOT OVERLAID WITH AN ASPHALT CONCRETE SURFACE COURSE.
• ALL COLD LONGITUDINAL JOINTS BETWEEN PAVED SHOULDERS AND GUARDRAIL ASPHALT.

THE MATERIAL USED SHALL BE A CERTIFIED 702.01 PG BINDER. THE WIDTH OF THE SEALER SHALL BE 2-3 INCHES.

ANY ADDITIONAL COSTS ASSOCIATED WITH THE WORK IDENTIFIED IN THIS NOTE SHALL BE INCLUDED IN THE APPROPRIATE ASPHALT CONCRETE SURFACE COURSE ITEM OF WORK.

LONGITUDINAL JOINTS (FLEXIBLE PAVEMENT)

LONGITUDINAL JOINTS BETWEEN A PAVEMENT LANE AND ADJOINING SHOULDER OR SPEED CHANGE LANE, AND BETWEEN A SPEED CHANGE LANE AND THE ADJOINING SHOULDER SHALL BE MADE THE SAME DAY. ALL LONGITUDINAL JOINTS SHALL BE HOT WITH THE EXCEPTION OF ONE COLD JOINT PER ROADWAY. LOCATE THE COLD JOINT ALONG THE CENTERLINE OR A LANE LINE. LONGITUDINAL JOINT LOCATIONS SHALL BE AS APPROVED BY THE ENGINEER. EACH RAMP SHALL HAVE A MAXIMUM OF ONE LONGITUDINAL COLD JOINT LOCATED APPROXIMATELY HALFWAY ACROSS THE RAMP.

ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN

THIS ITEM SHALL BE USED FOR THE REPAIR UNSOUND, COLD PATCH, OR POP-OUT AREAS OF LONGITUDINAL JOINTS, TRANSVERSE JOINTS AND CRACKS CONSISTING OF EXISTING ASPHALT OR CONCRETE AS DIRECTED BY THE ENGINEER. THE WORK SHALL BE PERFORMED PRIOR TO THE PLANING OPERATION. THE DEPTH OF THE REPAIR SHALL BE 5" BELOW THE TOP OF THE EXISTING ASPHALT SURFACE. THE WIDTH OF THE REPAIR SHALL BE 12" CENTERED OVER THE EXISTING JOINT.

USE REPLACEMENT MATERIALS CONFORMING TO THE REQUIREMENTS OF ITEM 442, 19MM.

ITEM 252 – FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, AS PER PLAN

THIS ITEM SHALL BE USED TO PERFORM A FULL DEPTH FLEXIBLE PAVEMENT REPAIR THE EXISTING CONCRETE BASE PAVEMENT AS DESCRIBED BELOW. THE DEPTH OF THE FULL DEPTH REPAIR SHALL BE 14 INCHES.

THE ENGINEER WILL LOCATE AND MARK THE AREAS FOR FULL DEPTH REPAIR BEFORE THE START OF THE FULL DEPTH SAWING. SAW THE LIMITS OF THE FULL DEPTH REPAIR AT THE LIMITS OF THE AREA DESIGNATED BY THE ENGINEER TO BE REPAIRED.

AFTER THE EXISTING CONCRETE PAVEMENT HAS BEEN REMOVED, PLACE ITEM 301 MATERIAL UP TO 1-1/2 INCHES FROM THE TOP OF THE REPAIR. THE LAST 1-1/2 INCHES SHALL BE REPLACED WITH ITEM 442 – ASPHALT CONCRETE SURFACE COURSE, 12.5MM MATERIAL. COMPLETE ALL AREAS OF FULL DEPTH PAVEMENT REMOVAL AND REPLACEMENT AT THE END OF EACH SHIFT OPERATION AND OPEN TO THE NORMAL FLOW OF TRAFFIC.

ALL COSTS ASSOCIATED WITH THIS ITEM INCLUDING THE SAWCUTTING, LABOR, MATERIALS AND EQUIPMENT SHALL BE INCLUDED IN ITEM 252, FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, AS PER PLAN.

ITEM 254 – PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE DEPTH

VARIABLE DEPTH PLANING, FOR THE PURPOSE OF PROFILE AND CROSS SLOPE CORRECTIONS. WILL EXTEND 50 FEET AWAY FROM THE APPROACH SLAB AT LOCATIONS WHERE THERE IS APPROACH SLAB REPLACEMENT WORK.

A PRECONSTRUCTION SURVEY WILL BE TAKEN AT THE EDGE LINES AND LANE LINES. IT WILL ALSO BE TAKEN AT CHANNELIZING LINES AND DOTTED LINES IF APPLICABLE WITHIN THE PAVING LIMITS. POINTS ALONG EACH LINE WILL BE TAKEN EVERY 10 FEET TO HELP ESTABLISH THE EXISTING CROSS SECTIONS. FROM THERE, THE CONTRACTOR SHALL DETERMINE THE DEPTHS OF VARIABLE DEPTH MILLING THAT THEY NEED TO PERFORM IN ORDER TO MILL AND THEN PLACE A 1.5" SURFACE COURSE AT THE CORRECT PROFILE/CROSS SLOPE.

ITEM 304 - AGGREGATE BASE, AS PER PLAN

DESCRIPTION: THIS WORK SHALL INCLUDE FURNISHING, PLACING AND COMPACTING INCIDENTAL AGGREGATE BASE AS REQUIRED TO CORRECT THE SUBGRADE AFTER REMOVAL OF PORTIONS OF EXISTING APPROACH SLABS.

EXECUTION: PROVIDE AND COMPACT AGGREGATE BASE MATERIAL AS REQUIRED TO PROVIDE AN UNIFORM COMPACTED SURFACE FOR PROPOSED APPROACH SLABS IN ACCORDANCE WITH C&MS 304.

MEASUREMENT AND PAYMENT: PAYMENT FOR ACCEPTED QUANTITIES OF THE WORK DESCRIBED HEREIN, COMPLETE IN PLACE, SHALL BE MADE AT THE CONTRACT UNIT PRICE BID. THIS SHALL INCLUDE ALL TOOLS, LABOR, MATERIALS, EQUIPMENT, POWER, TRANSPORT, DELIVERY, AND DISPOSAL NECESSARY TO COMPLETE THIS ITEM OF WORK AS DESCRIBED, AND TO THE SATISFACTION OF THE ENGINEER.

ITEM 442 – ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (449), AS PER PLAN, PG76-22M

THE COARSE VIRGIN AGGREGATE FOR THIS ITEM SHALL BE LIMITED TO A BLEND OF AIR COOLED BLAST FURNACE SLAG (ACBFS) OR TRAP ROCK FROM ONTARIO AND LIMESTONE. THE CONTRACTOR SHALL USE A MINIMUM 60% OF ACBFS OR TRAP ROCK FROM ONTARIO WITH LIMESTONE COMPRISING THE REMAINING PERCENTAGE. AT LEAST 50% OF FINE VIRGIN AGGREGATE FOR THIS ITEM SHALL BE LIMITED TO ACBFS OR TRAP ROCK FROM ONTARIO.

TABLE 442.02-2 APPLIES EXCEPT NO. 4 SIEVE REQUIREMENTS ARE 52 TO 60 TOTAL PERCENT PASSING. FOR THE NO. 4 SIEVE DO NOT EXCEED 63 IN PRODUCTION.

WHEN ACBFS IS USED FOR A FRACTION OF THE COARSE AGGREGATE, PROVIDE A TOTAL ASPHALT BINDER CONTENT GREATER THAN OR EQUAL TO 6.2 PERCENT. IF ACBFS MAKES UP 100% OF THE COARSE AGGREGATE, APPLY THE BINDER CONTENT REQUIREMENTS OF C&MS 442.

PAVEMENT FOR PROJECT REHABILITATION & TRANSITION

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR REHABILITATION OF THE EXISTING PAVEMENT ADJACENT TO APPROACH SLABS. THESE ESTIMATED QUANTITIES INCLUDE A CONTINGENCY OF EACH OF THE FOLLOWING ITEMS TO BE USED AS DIRECTED BY THE ENGINEER. SEE REFERENCE FILES FOR MORE INFORMATION.

Table with 2 columns: Item Description and Quantity. Includes items like ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE DEPTH (357 SY) and ITEM 442 1.25" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (449), AS PER PLAN, PG76-22M (15 CY).

Table with 2 columns: Item Description and Quantity. Includes items like ITEM 252 FULL DEPTH PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, AS PER PLAN (18 SY) and ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE DEPTH (714 SY).

Table with 2 columns: Item Description and Quantity. Includes ITEM 252 FULL DEPTH PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, AS PER PLAN (20 SY).

Table with 2 columns: Item Description and Quantity. Includes ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN (12 SY).

Table with 2 columns: Item Description and Quantity. Includes ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE DEPTH (267 SY) and ITEM 442 1.25" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (449), AS PER PLAN, PG76-22M (12 CY).

Table with 2 columns: Item Description and Quantity. Includes ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE DEPTH (212 SY) and ITEM 442 1.25" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (449), AS PER PLAN, PG76-22M (9 CY).

Table with 2 columns: Item Description and Quantity. Includes ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE DEPTH (212 SY) and ITEM 442 1.25" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (449), AS PER PLAN, PG76-22M (9 CY).

Table with 2 columns: Item Description and Quantity. Includes ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN (66 SY) and ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE DEPTH (245 SY).

Table with 2 columns: Item Description and Quantity. Includes ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN (78 SY) and ITEM 252 FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, AS PER PLAN (38 SY).

ENVIRONMENTAL COMMITMENTS

- 1. ALL WORK TO BE WITHIN EXISTING RIGHT-OF-WAY.
2. NO WORK IN STREAMS, WETLANDS, OR POLLINATOR INITIATIVE SITES.
3. NO TREE REMOVAL.



ITEM 614 - MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED DURATIONS SPECIFIED ON THE RESPECTIVE DETOUR SHEETS FOR LOCATIONS 3, 6, 7, 10 AND 12, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON THESE SHEETS. A DISINCENTIVE SHALL BE ASSESSED PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT, IN THE AMOUNT SPECIFIED ON THE RESPECTIVE DETOUR SHEET FOR EACH LOCATION.

THE CONTRACTOR SHALL CONDUCT THEIR OPERATIONS AS TO MAKE PROPOSED REPAIRS WITH A MINIMUM OF HAZARD, DELAY AND INCONVENIENCE TO THE MOTORISTS USING THE HIGHWAY AFFECTED BY THE WORK DONE UNDER THIS CONTRACT. IN ADDITION TO THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE FOLLOWING SPECIFIC PROVISIONS ARE MANDATORY.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

Table with 2 columns: Holiday/Event and Date. Includes New Year's, Memorial Day, Fourth of July, Thanksgiving, Christmas, Labor Day, and Election Day.

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

Table with 2 columns: Day of Holiday or Special Event and Time All Lanes Must Be Open to Traffic. Lists days from Sunday to Saturday with corresponding time windows.

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

LANE VALUE CONTRACT TABLE

Table with 4 columns: Description of Critical Lane/Ramp, Restricted Time Period, Time Unit, and Disincentive \$ per Time Unit. Lists various road closures and ramps with their respective durations and costs.

THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME THE DESCRIBED CRITICAL LANE/RAMP IS RESTRICTED FROM FULL USE BY THE TRAVELING PUBLIC WITHIN THE RESTRICTED TIME PERIOD. THE LANE VALUE CONTRACT TABLE IS LOCATED IN THE PLAN GENERAL NOTES. THE DISINCENTIVES WILL BE ASSESSED FOR ALL RESTRICTIONS OF THE CRITICAL WORK.

CRITICAL WORK IS SHOWN IN THE LANE VALUE CONTRACT TABLE.

CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTIONS OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE, OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE WITH SPECIFIED STRIPING AND SAFETY FEATURES IN PLACE.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLAT SHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMP AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMP, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE

Table with 3 columns: Item, Duration of Closure, and Sign Displayed to Public. Lists closure durations for ramps, roads, and general closures.

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

LANE CLOSURE RESTRICTIONS

- List of 8 lane closure restrictions including permitted times, road types, and signage requirements.

LOCATION 1: CUY-90-2200 (IR-90 OVER EAST 105TH STREET)

THE CONTRACTOR SHALL PERFORM THE WORK IN TWO PHASES OF CONSTRUCTION FOR IR 90. PHASE ONE SHALL CONSIST OF CLOSING THE INSIDE TWO (2) LANES OF TRAFFIC AND PHASE TWO SHALL CONSIST OF CLOSING THE OUTSIDE TWO (2) LANES OF TRAFFIC.

THIS LOCATION WILL REQUIRE SINGLE AND DUAL LANE CLOSURES OVER ONE (1) WEEKEND FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.31, MT-95.32, AND/OR MT-95.41.

THE CONTRACTOR MAY CONSTRUCT LOCATION 1 ON ANY WEEKEND AS THE OTHER LOCATIONS.

LOCATION 2: CUY-480N-0011 (IR-480N OVER SR 8 (NORTHFIELD ROAD))

THE CONTRACTOR SHALL PERFORM THE WORK IN ONE PHASE OF CONSTRUCTION FOR IR 480N. PHASE ONE SHALL CONSIST OF CLOSING THE OUTSIDE TWO (2) LANES OF TRAFFIC AND OUTSIDE SHOULDER OF TRAFFIC.

THIS LOCATION WILL REQUIRE SINGLE AND DUAL LANE CLOSURES OVER ONE (1) WEEK FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.31, MT-95.32, AND/OR MT-95.41.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 2, 3 AND 4 CONCURRENTLY.

LOCATION 3: CUY-480N-0036 (IR-480N OVER NORFOLK SOUTHERN RAILROAD)

THE CONTRACTOR SHALL PERFORM THE WORK IN TWO PHASES OF CONSTRUCTION FOR IR 480N. PHASE ONE SHALL CONSIST OF CLOSING THE INSIDE TWO (2) LANES OF TRAFFIC AND PHASE TWO SHALL CONSIST OF CLOSING THE OUTSIDE TWO (2) LANES AND OUTSIDE SHOULDER OF TRAFFIC.

THE MILES ROAD ENTRANCE RAMP TO WB IR-480N WILL BE CLOSED AND TRAFFIC DETOURED PER THE DETOUR MAP IN THESE PLANS.

THIS LOCATION WILL REQUIRE SINGLE AND DUAL LANE CLOSURES OVER ONE (1) WEEKEND FOR PHASE ONE AND ONE (1) WEEK FOR PHASE TWO FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.31, MT-95.32, MT-95.41 AND/OR MT-98.11.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 2, 3 AND 4 CONCURRENTLY.

LOCATION 4: CUY-480N-0054 (IR-480N OVER MILES ROAD)

THE CONTRACTOR SHALL PERFORM THE WORK IN TWO PHASES OF CONSTRUCTION FOR IR 480N. PHASE ONE SHALL CONSIST OF CLOSING THE INSIDE TWO (2) LANES OF TRAFFIC AND PHASE TWO SHALL CONSIST OF CLOSING THE OUTSIDE LANE OF TRAFFIC.

THE MILES ROAD ENTRANCE RAMP TO WB IR-480N WILL BE CLOSED AND TRAFFIC DETOURED PER THE DETOUR MAP IN THESE PLANS.

THIS LOCATION WILL REQUIRE SINGLE AND DUAL LANE CLOSURES OVER ONE (1) WEEKEND FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.31, MT-95.32, MT-95.41 AND MT-98.10.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 2, 3 AND 4 CONCURRENTLY.

LOCATION 5: CUY-480N-0129 (IR-480N OVER IR-271 AND US 422 WB RAMP TO IR-271 SB)

THE CONTRACTOR SHALL PERFORM THE WORK IN TWO PHASES OF CONSTRUCTION FOR IR 480N. PHASE ONE SHALL CONSIST OF CLOSING THE INSIDE TWO (2) LANES OF TRAFFIC AND PHASE TWO SHALL CONSIST OF CLOSING THE OUTSIDE LANE OF TRAFFIC.

THE EB IR-480N EXIT RAMP TO NB IR-271/WB US 422 WILL REMAIN OPEN AT ALL TIMES.

THIS LOCATION WILL REQUIRE DOUBLE LANE CLOSURES OVER ONE WEEKEND FOR PHASE ONE AND SINGLE LANE CLOSURES FOR PHASE TWO FOLLOWING ODOT STANDARD CONSTRUCTION DRAWING MT-95.30, MT-98.20, MT-98.22 AND/OR MT-98.28.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 5, 6, 9 AND 14 CONCURRENTLY.

LOCATION 6: CUY-422-1390R (US-422 OVER SR 175 (RICHMOND ROAD))

THE CONTRACTOR SHALL PERFORM THE WORK IN ONE PHASE OF CONSTRUCTION FOR US 422. PHASE ONE SHALL CONSIST OF CLOSING THE RAMP AND DETOURING TRAFFIC PER THE DETOUR MAP IN THESE PLANS.

THIS LOCATION WILL REQUIRE SINGLE LANE CLOSURES OVER ONE WEEKEND FOR PHASE ONE FOLLOWING ODOT STANDARD CONSTRUCTION DRAWING MT-98.29.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 5, 6, 9 AND 14 CONCURRENTLY.

LOCATION 7: CUY-422-1390L (US-422 OVER SR 175 (RICHMOND ROAD))

THE CONTRACTOR SHALL PERFORM THE WORK IN TWO PHASES OF CONSTRUCTION FOR US 422. PHASE ONE SHALL CONSIST OF CLOSING THE INSIDE LANE OF TRAFFIC AND PHASE TWO SHALL CONSIST OF CLOSING THE OUTSIDE LANE OF TRAFFIC. THE WORK AT THE IR-271 NORTH EXIT RAMP SHALL BE CONSTRUCTED DURING THE WEEKEND OF THE PHASE TWO CONSTRUCTION. WHEN THE IR-271 NORTH EXIT RAMP IS NOT BEING CONSTRUCTED, IT IS TO REMAIN OPEN TO TRAFFIC.

THE IR-271 NORTH EXIT RAMP WILL BE CLOSED AND TRAFFIC DETOURED PER THE DETOUR MAP IN THESE PLANS.

THIS LOCATION WILL REQUIRE SINGLE LANE CLOSURES FOR ONE (1) WEEK FOR PHASE ONE AND ONE (1) WEEK FOR PHASE TWO FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.40, MT-98.21 AND/OR MT-98.22.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 7 AND 8 CONCURRENTLY.

LOCATION 8: CUY-422-1468L (US-422 OVER MILES ROAD)

THE CONTRACTOR SHALL PERFORM THE WORK IN TWO PHASES OF CONSTRUCTION FOR US 422. PHASE ONE SHALL CONSIST OF CLOSING THE INSIDE LANE OF TRAFFIC AND PHASE TWO SHALL CONSIST OF CLOSING THE OUTSIDE LANE OF TRAFFIC.

THIS LOCATION WILL REQUIRE SINGLE LANE CLOSURES FOR ONE (1) WEEK FOR PHASE ONE AND OVER ONE WEEKEND FOR PHASE TWO FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.30 AND/OR MT-95.40.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 7 AND 8 CONCURRENTLY.

LOCATION 9: CUY-422-1468R (US-422 OVER MILES ROAD)

THE CONTRACTOR SHALL PERFORM THE WORK IN TWO PHASES OF CONSTRUCTION FOR US 422. PHASE ONE SHALL CONSIST OF CLOSING THE INSIDE LANE OF TRAFFIC AND PHASE TWO SHALL CONSIST OF CLOSING THE OUTSIDE LANE OF TRAFFIC.

THIS LOCATION WILL REQUIRE SINGLE LANE CLOSURES OVER ONE WEEKEND FOR PHASE ONE AND ONE (1) WEEK FOR PHASE TWO FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.30 AND/OR MT-95.40.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 5, 6, 9 AND 14 CONCURRENTLY.

LOCATION 10: CUY-422-1597L (US-422 OVER CANNON ROAD)

THE CONTRACTOR SHALL PERFORM THE WORK IN TWO PHASES OF CONSTRUCTION FOR US 422. PHASE ONE SHALL CONSIST OF CLOSING THE INSIDE LANE OF TRAFFIC AND PHASE TWO SHALL CONSIST OF CLOSING THE OUTSIDE LANE OF TRAFFIC.

THE SB HARPER ROAD ENTRANCE RAMP TO WB US 422 WILL REMAIN OPEN AT ALL TIMES.

THIS LOCATION WILL REQUIRE SINGLE LANE CLOSURES FOR ONE (1) WEEK EACH FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.30, MT-95.40, MT-98.10 AND/OR MT-98.30.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 10 AND 12 CONCURRENTLY.

LOCATION 11: CUY-422-1597R (US-422 OVER CANNON ROAD)

THE CONTRACTOR SHALL PERFORM THE WORK IN TWO PHASES OF CONSTRUCTION FOR US 422. PHASE ONE SHALL CONSIST OF CLOSING THE INSIDE LANE OF TRAFFIC AND PHASE TWO SHALL CONSIST OF CLOSING THE OUTSIDE LANE OF TRAFFIC.

THIS LOCATION WILL REQUIRE SINGLE LANE CLOSURES OVER ONE (1) WEEKEND FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.31, MT-95.32 AND/OR MT-95.41.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 11 AND 13 CONCURRENTLY OVER A SINGLE WEEKEND.

LOCATION 12: CUY-422-1627L (US-422 OVER HARPER ROAD)

THE CONTRACTOR SHALL PERFORM THE WORK IN TWO PHASES OF CONSTRUCTION FOR US 422. PHASE ONE SHALL CONSIST OF CLOSING THE INSIDE LANE OF TRAFFIC AND PHASE TWO SHALL CONSIST OF CLOSING THE OUTSIDE LANE OF TRAFFIC. THE WORK AT THE HARPER ROAD ENTRANCE RAMP SHALL BE CONSTRUCTED DURING THE WEEKEND OF THE PHASE TWO CONSTRUCTION. WHEN THE HARPER ROAD ENTRANCE RAMP IS NOT BEING CONSTRUCTED, IT IS TO REMAIN OPEN TO TRAFFIC.

WHEN THE NB HARPER ROAD ENTRANCE RAMP TO WB US 422 WORK IS BEING CONSTRUCTED, THE HARPER ROAD ENTRANCE RAMP IS TO BE CLOSED. THE NB HARPER ROAD ENTRANCE RAMP WILL BE DETOURED USING EB US 422 TO EXIT AT SRT 91, NORTH ON SR 91 AND REENTER WB US 422. THE SB HARPER ROAD ENTRANCE RAMP TO WB US 422 WILL REMAIN OPEN AT ALL TIMES.

THIS LOCATION WILL REQUIRE SINGLE LANE CLOSURES FOR ONE (1) WEEK EACH FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.30, MT-95.40, MT-98.10 AND/OR MT-98.30.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 10 AND 12 CONCURRENTLY.

LOCATION 13: CUY-422-1627R (US-422 OVER HARPER ROAD)

THE CONTRACTOR SHALL PERFORM THE WORK IN ONE PHASE OF CONSTRUCTION FOR US 422. PHASE ONE SHALL CONSIST OF CLOSING THE OUTSIDE LANE OF TRAFFIC.

THIS LOCATION WILL REQUIRE SINGLE LANE CLOSURE OVER ONE (1) WEEKEND FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.31 AND/OR MT-95.41.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 11 AND 13 CONCURRENTLY OVER A SINGLE WEEKEND.

LOCATION 14: CUY-480N-140WE (US-422 EB RAMP OVER SR 175 (RICHMOND ROAD))

THE CONTRACTOR SHALL PERFORM THE WORK IN TWO PHASES OF CONSTRUCTION FOR US 422. PHASE ONE SHALL CONSIST OF CLOSING THE INSIDE LANE OF TRAFFIC AND PHASE TWO SHALL CONSIST OF CLOSING THE OUTSIDE LANE OF TRAFFIC.

THIS LOCATION WILL REQUIRE SINGLE LANE CLOSURES OVER ONE WEEKEND FOR PHASE ONE AND PHASE TWO AND FOLLOWING ODOT STANDARD CONSTRUCTION DRAWINGS MT-95.30 AND/OR MT-95.40.

THE CONTRACTOR SHALL CONSTRUCT THE WORK AT LOCATION 5, 6, 9 AND 14 CONCURRENTLY.

CONCURRENT WORK ZONES

DUE TO EXCESSIVELY LONG WORK ZONES OR RAMP CLOSURES UTILIZING THE SAME DETOUR ROUTE, SOME WORK ZONES CAN NOT BE COMBINED.

LOCATIONS 2, 3, 4 AND 5, 6, 9 AND 14 AND 10 AND 12 MAY NOT BE CONSTRUCTED CONCURRENTLY. LOCATIONS 7 AND 8 AND 10 AND 12 MAY NOT BE CONSTRUCTED CONCURRENTLY.

Table with project information including Design Agency (CVC), Designer (CJD), Reviewer (CWP), Project ID (117899), and Sheet/Total (P.05/65).

CUY-BH-FY2024(B) APPROACH SLABS

MODEL: Sheet_SurvFI PAPER: 17x11 (in.) DATE: 11/16/2023 TIME: 1:56:02 PM USER: cdunlap
 P:\23075\DOT_D3-012_GES\117277\Task 6 - CUY-BH-FY2024(B) Approach Slabs\117899\400-Engineering\Roadway\Sheets\117899_G0001.dgn

SHEET NUM.										PART.		ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	9	50	53							01/NFP/47		EXT	TOTAL				
																EROSION CONTROL	
										1,000		832	30000	1,000	EACH		
																PAVEMENT	
											78	251	01021	78	SY	PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN	4
											38	252	01001	38	SY	FULL DEPTH RIGID PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT, AS PER PLAN	4
		2,435									2,435	254	01000	2,435	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
											2,007	254	01001	2,007	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE DEPTH	4
											113	407	20000	334	GAL	NON-TRACKING TACK COAT	
											86	442	22101	189	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449), AS PER PLAN, PG76-22M	4
																TRAFFIC CONTROL	
											7	621	00100	7	EACH	RPM	
											7	621	54000	7	EACH	RAISED PAVEMENT MARKER REMOVED	
											0.3	646	10010	0.3	MILE	EDGE LINE, 6"	
											0.18	646	10110	0.18	MILE	LANE LINE, 6"	
											375	646	10310	375	FT	CHANNELIZING LINE, 12"	
											50	646	10600	50	FT	TRANSVERSE/DIAGONAL LINE	
											280	646	20500	280	FT	DOTTED LINE	
																STRUCTURE REPAIR (CUY-90-2200, SFN 1808494- LOCATION 1)	
											117	519	10000	117	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
											LS	SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
																STRUCTURE REPAIR (CUY-480N-0011, SFN 1814494- LOCATION 2)	
											46	202	22901	46	SY	APPROACH SLAB REMOVED, AS PER PLAN	52
											4	304	20001	4	CY	AGGREGATE BASE, AS PER PLAN	4
											21	519	10000	21	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
											46	526	15001	46	SY	REINFORCED CONCRETE APPROACH SLABS (T=13"), AS PER PLAN	52
											LS	SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
																STRUCTURE REPAIR (CUY-480N-0036, SFN 1814532- LOCATION 3)	
											116	202	22901	116	SY	APPROACH SLAB REMOVED, AS PER PLAN	52
											11	304	20001	11	CY	AGGREGATE BASE, AS PER PLAN	4
											60	519	10000	60	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
											116	526	15001	116	SY	REINFORCED CONCRETE APPROACH SLABS (T=13"), AS PER PLAN	52
											LS	SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
																STRUCTURE REPAIR (CUY-480N-0054, SFN 1814575- LOCATION 4)	
											26	519	12200	26	SY	PATCHING CONCRETE BRIDGE DECK - TYPE A	
											LS	SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
																STRUCTURE REPAIR (CUY-480N-0129, SFN 1811088- LOCATION 5)	
											85	519	10000	85	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
											LS	SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
																STRUCTURE REPAIR (CUY-422-1390R, SFN 1814745- LOCATION 6)	
											18	519	10000	18	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
											LS	SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
																STRUCTURE REPAIR (CUY-422-1390L, SFN 1814788- LOCATION 7)	
											77	202	22901	77	SY	APPROACH SLAB REMOVED, AS PER PLAN	52
											7	304	20001	7	CY	AGGREGATE BASE, AS PER PLAN	4
											62	519	12200	62	SY	PATCHING CONCRETE BRIDGE DECK - TYPE A	
											77	526	15001	77	SY	REINFORCED CONCRETE APPROACH SLABS (T=13"), AS PER PLAN	52
											LS	SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
																STRUCTURE REPAIR (CUY-422-1468L, SFN 1814842- LOCATION 8)	
											39	202	22901	39	SY	APPROACH SLAB REMOVED, AS PER PLAN	52
											4	304	20001	4	CY	AGGREGATE BASE, AS PER PLAN	4
											18	519	10000	18	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
											39	526	15001	39	SY	REINFORCED CONCRETE APPROACH SLABS (T=13"), AS PER PLAN	52
											LS	SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52

GENERAL SUMMARY

DESIGN AGENCY

CHAGRIN VALLEY ENGINEERING, LTD.

DESIGNER
EL

REVIEWER
CWP 06/28/23

PROJECT ID
117899

SHEET TOTAL
P.48 | 65

CUY-BH-FY2024(B) APPROACH SLABS

MODEL: Sheet 1 PAPER: 11/16/2023 TIME: 1:57:30 PM USER: cdunlap
 P:\23075\DOT\3-012\GES\117277\Task 6 - CUY-BH-FY2024(B) Approach Slabs\117899\400-Engineering\Roadway\Sheets\117899_G002.dgn

SHEET NUM.										PART.		ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	6	7	8	9	10	52	53			01/NFP/47		EXT	TOTAL				
STRUCTURE REPAIR (CUY-422-1468R, SFN 1814850 - LOCATION 9)																	
							42			42		202	22901	42	SY	APPROACH SLAB REMOVED, AS PER PLAN	52
4										4		304	20001	4	CY	AGGREGATE BASE, AS PER PLAN	4
							10			10		519	10000	10	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
							42			42		526	15001	42	SY	REINFORCED CONCRETE APPROACH SLABS (T=13"), AS PER PLAN	52
							LS			LS		SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
STRUCTURE REPAIR (CUY-422-1597L, SFN 1814885 - LOCATION 10)																	
							18			18		519	10000	18	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
							LS			LS		SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
STRUCTURE REPAIR (CUY-422-1597R, SFN 1814893 - LOCATION 11)																	
							5			5		519	10000	5	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
							LS			LS		SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
STRUCTURE REPAIR (CUY-422-1627L, SFN 1814907 - LOCATION 12)																	
							77			77		202	22901	77	SY	APPROACH SLAB REMOVED, AS PER PLAN	52
7										7		304	20001	7	CY	AGGREGATE BASE, AS PER PLAN	4
							20			20		519	10000	20	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
							77			77		526	15001	77	SY	REINFORCED CONCRETE APPROACH SLABS (T=13"), AS PER PLAN	52
							LS			LS		SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
STRUCTURE REPAIR (CUY-422-1627R, SFN 1814915 - LOCATION 13)																	
							41			41		519	10000	41	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
							LS			LS		SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
STRUCTURE REPAIR (CUY-480N-140WE, SFN 1814753 - LOCATION 14)																	
							31			31		519	10000	31	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE	
							LS			LS		SPECIAL	53000200	LS		STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK	52
STRUCTURE REPAIR (GEA-422-0017L, 2801515 - LOCATION 15)																	
						1,660				1,660		512	10051	1,660	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY), AS PER PLAN	52
MAINTENANCE OF TRAFFIC																	
			240							240		614	11110	240	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
			8,904							8,904		614	11630	8,904	FT	INCREASED BARRIER DELINEATION	
				11						11		614	12380	11	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
	LS									LS		614	12420	LS		DETOUR SIGNING	
			179							179		614	13310	179	EACH	BARRIER REFLECTOR, TYPE 1 (ONE-WAY)	
			179							179		614	13350	179	EACH	OBJECT MARKER, ONE WAY	
		6								6		614	18601	6	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	7
					0.39					0.39		614	20210	0.39	MILE	WORK ZONE LANE LINE, CLASS I, 6", 740.06, TYPE I	
					10.29					10.29		614	22210	10.29	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE I	
					600					600		614	23410	600	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 740.06, TYPE I	
					9,893					9,893		614	24402	9,893	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 740.06, TYPE I	
					28,899					28,899		614	98100	28,899	FT	WORK ZONE PAVEMENT MARKING, MISC.: REMOVABLE, NON-REFLECTIVE PREFORMED BLACKOUT TAPE	9
				1.66						1.66		618	40600	1.66	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
					1					1		622	41060	1	EACH	DUAL PORTABLE BARRIER TRANSITION/TERMINATION	
					4,460					4,460		622	41100	4,460	FT	PORTABLE BARRIER, UNANCHORED	
					4,444					4,444		622	41110	4,444	FT	PORTABLE BARRIER, ANCHORED	
			12							12		808	18700	12	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
			48							48		896	00010	48	SNMT	PORTABLE NON-INTRUSIVE TRAFFIC SENSOR, CLASS I	
			12							12		896	00020	12	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN	
INCIDENTALS																	
										LS		108	10000	LS		CPM PROGRESS SCHEDULE	
										LS		614	11000	LS		MAINTAINING TRAFFIC	
										LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS		624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

CHAGRIN VALLEY ENGINEERING, LTD.

DESIGNER
 EL

REVIEWER
 CWP 06/28/23

PROJECT ID
 117899

SHEET TOTAL
 P.49 | 65

CUY-BH-FY2024(B) APPROACH SLABS

MODEL: Sheet PAPER: 17x11 (in.) DATE: 11/14/2023 TIME: 9:45:19 AM USER: cdunlap
 P:\23075\DOT D9-D12 GES\117277\Task 6 - CUY-BH-FY2024(B) Approach Slabs\117899\400-Engineering\Structures\SFN_00000000\Sheets\117899_SFN_00000000_SN001.dgn

LOCATION	BRIDGE NUMBER	STRUCTURAL FILE NUMBER	STRUCTURE TYPE	STRUCTURE LIMITS	BRIDGE WIDTH (OUT/OUT)	LANES ON	LANES UNDER	SEALER AND PAINT COLOR	PROPOSED WORK (WORK SHOWN IS REPRESENTATIVE AND DOES NOT INCLUDE ALL WORK REQUIRED)
1	CUY-90-2200 (WB ONLY)	1808494	1 SPAN CONTINUOUS STEEL BEAM	80'	117.2'	8	C.R. 400 (E. 105 ST.) 2 LANES	N/A	REAR APPROACH SLAB REPAIRS. FORWARD APPROACH SLAB REPAIRS. BRIDGE DECK REPAIRS.
2	CUY-480N-0011 (WB ONLY)	1814494	8 SPAN CONTINUOUS WELDED STEEL GIRDER	870'	127.5'	4	S.R. 8 (NORTHFIELD) 6 LANES I.R. 480 2 LANES RAMP TO WB480 1 LANE	N/A	REAR APPROACH SLAB REPAIRS. REAR APPROACH SLAB PARTIAL REPLACEMENT. OUTSIDE SHOULDER RESURFACING.
3	CUY-480N-0036 (WB ONLY)	1814532	3 SPAN CONTINUOUS STEEL BEAM	300'	278'	4	NSC R.R. N/A	N/A	REAR APPROACH SLAB PARTIAL REPLACEMENT. REAR APPROACH SLAB REPAIRS. OUTSIDE SHOULDER REPLACEMENT. FORWARD APPROACH SLAB PARTIAL REPLACEMENT. FORWARD APPROACH SLAB REPAIRS. APPROACH PAVEMENT REPLACEMENT.
4	CUY-480N-0054 (WB ONLY)	1814575	4 SPAN CONTINUOUS COMPOSITE STEEL BEAMS	251'	142.1'	4	C.R. 11 (MILES RD.) 5 LANES	N/A	FORWARD APPROACH SLAB REPAIRS. APPROACH PAVEMENT REPLACEMENT.
5	CUY-480N-0129	1811088	8 SPAN CONTINUOUS STEEL BEAM (UNIT 1) AND CONTINUOUS WELDED STEEL GIRDER (UNIT 2)	698'	56'	3 (REAR) 4 (FORWARD)	I.R. 271 6 LANES U.S. 422W TO GO 271S 1 LANE	N/A	REAR APPROACH SLAB REPAIRS. FORWARD APPROACH SLAB REPAIRS. APPROACH PAVEMENT REPLACEMENT.
6	CUY-422-1390R	1814745	3 SPAN CONTINUOUS STEEL BEAM	145'	30.4'	1	S.R. 175 (RICHMOND RD.) 4 LANES	N/A	REAR APPROACH SLAB REPAIRS. APPROACH PAVEMENT REPLACEMENT.
7	CUY-422-1390L	1814788	3 SPAN CONTINUOUS STEEL BEAM	153'	66'	3	S.R. 175 (RICHMOND RD.) 4 LANES	N/A	REAR APPROACH SLAB REPAIRS. FORWARD APPROACH SLAB PARTIAL REPLACEMENT. FORWARD APPROACH SLAB REPAIRS.
8	CUY-422-1468L	1814842	3 SPAN CONTINUOUS STEEL GIRDER	264'	54'	2	C.R. 11 (MILES RD.) 2 LANES	N/A	FORWARD APPROACH SLAB PARTIAL REPLACEMENT. FORWARD APPROACH SLAB REPAIRS.
9	CUY-422-1468R	1814850	3 SPAN CONTINUOUS STEEL GIRDER	264'	54'	2	C.R. 11 (MILES RD.) 2 LANES	N/A	FORWARD APPROACH SLAB PARTIAL REPLACEMENT. FORWARD APPROACH SLAB REPAIRS. OUTSIDE SHOULDER REPLACEMENT.
10	CUY-422-1597L	1814885	3 SPAN CONTINUOUS STEEL BEAM	185'	69.5'	3	C.R. 99 (CANNON RD.) 2 LANES	N/A	REAR APPROACH SLAB REPAIRS.
11	CUY-422-1597R	1814893	3 SPAN CONTINUOUS STEEL BEAM	185'	54'	2	C.R. 99 (CANNON RD.) 2 LANES	N/A	REAR APPROACH SLAB REPAIRS.
12	CUY-422-1627L	1814907	4 SPAN CONTINUOUS STEEL BEAM	256'	72.5'	3	C.R. 18 (HARPER RD.) 4 LANES	N/A	REAR APPROACH SLAB REPAIRS. FORWARD APPROACH SLAB PARTIAL REPLACEMENT. FORWARD APPROACH SLAB REPAIRS.
13	CUY-422-1627R	1814915	4 SPAN CONTINUOUS STEEL BEAM	236'	54'	2	C.R. 18 (HARPER RD.) 4 LANES	N/A	REAR APPROACH SLAB REPAIRS. FORWARD APPROACH SLAB REPAIRS.
14	CUY-480N-140WE	1814753	3 SPAN CONTINUOUS STEEL BEAM	142'	43.4'	2	S.R. 175 (RICHMOND RD.) 4 LANES	N/A	REAR APPROACH SLAB REPAIRS. FORWARD APPROACH SLAB REPAIRS.
15	GEA-422-0017L	2801515	4 SPAN CONTINUOUS STEEL BEAM	385'	41.8'	2	AURORA BRANCH OF CHAGRIN RIVER	N/A	BRIDGE DECK SEALING

STRUCTURE DATA TABLE

DESIGN AGENCY



DESIGNER

EL

REVIEWER

CWP 06/28/23

PROJECT ID

117899

SHEET TOTAL

P.51 | 65

STRUCTURE NOTES

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING STANDARD DRAWING(S):
BP-2.1 REVISED 01-21-2022

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION(S):
800 DATED 10-20-2023

DESIGN SPECIFICATIONS:

THE PROPOSED WORK HEREIN CONFORMS TO THE 9TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020, AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN DATA:

CONCRETE CLASS QC2 COMPRESSIVE STRENGTH 4.5 KSI (APPROACH SLABS)

EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60 KSI (APPROACH SLABS)

MAINTENANCE OF TRAFFIC:

TRAFFIC IS TO BE MAINTAINED THROUGHOUT CONSTRUCTION.

REFER TO THE MAINTENANCE OF TRAFFIC PLANS FOR DETAILS, OTHER REQUIREMENTS AND PAYMENT PROVISIONS.

EXISTING CONDITIONS VERIFICATION:

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING CONDITIONS HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING CONDITIONS AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING CONDITIONS AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS SECTIONS 102.05 AND 105.02.

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

PROPOSED WORK:

THE CONTRACTOR SHALL ONLY PERFORM THE WORK INCLUDED IN THE STRUCTURE DATA SHEET, FRAMED TEXT, AND/OR GENERAL NOTES.

EXISTING PAVEMENT MARKINGS:

ANY EXISTING PAVEMENT MARKINGS, INCLUDING RAISED PAVEMENT MARKINGS, WHICH ARE AFFECTED BY THE PROPOSED WORK SHALL BE REPLACED IN KIND. PAYMENT FOR NEW PAVEMENT MARKINGS IS AS SHOWN IN THE PLANS.

CONTINGENCY QUANTITIES:

CONTINGENCY QUANTITIES ARE ONLY TO BE USED AT THE DIRECTION OF THE ENGINEER.

EQUIPMENT AND MATERIALS STORAGE:

TO PROVIDE FOR THE SAFETY OF THE TRAVELING PUBLIC, THE CONTRACTOR'S ATTENTION IS DIRECTED TO C&MS 614.03.

IN ADDITION, THE FOLLOWING PROVISIONS SHALL APPLY:

- NO REMOVED ITEMS ARE PERMITTED TO BE STORED IN THE RIGHT-OF-WAY.
- NO STORAGE OF EQUIPMENT, MATERIALS, OR VEHICLES WITHIN THE RIGHT-OF-WAY WILL BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT NO COST TO THE STATE.

DESCRIPTION OF THE WORK:

THE FOLLOWING WORK IS ANTICIPATED AT EACH LOCATION. THIS DESCRIPTION IS NOT ALL-INCLUSIVE. REFER TO THE PLANS AND QUANTITIES.

1. PATCH SURFACES OF APPROACH SLABS AND BRIDGE DECK.
2. REMOVE AND REPLACE PORTIONS OF APPROACH SLABS. PATCH SURFACES OF APPROACH SLABS.
3. REMOVE AND REPLACE PORTIONS OF APPROACH SLABS. PATCH SURFACES OF APPROACH SLABS. REMOVE AND REPLACE PORTIONS OF ADJACENT PAVEMENT/SHOULDER.
4. PATCH SURFACES OF APPROACH SLABS. REMOVE AND REPLACE PORTIONS OF ADJACENT PAVEMENT/SHOULDER.
5. PATCH SURFACES OF APPROACH SLABS. PATCH PORTIONS OF ADJACENT PAVEMENT/SHOULDER.
6. PATCH SURFACES OF APPROACH SLABS AND BRIDGE DECK.
7. REMOVE AND REPLACE PORTIONS OF APPROACH SLABS. PATCH SURFACES OF APPROACH SLABS.
8. REMOVE AND REPLACE PORTIONS OF APPROACH SLABS. PATCH SURFACES OF APPROACH SLABS.
9. REMOVE AND REPLACE PORTIONS OF APPROACH SLABS. PATCH SURFACES OF APPROACH SLABS.
10. PATCH SURFACES OF APPROACH SLABS.
11. PATCH SURFACES OF APPROACH SLABS.
12. REMOVE AND REPLACE PORTIONS OF APPROACH SLABS. PATCH SURFACES OF APPROACH SLABS.
13. PATCH SURFACES OF APPROACH SLABS.
14. PATCH SURFACES OF APPROACH SLABS.

ITEM 202 - APPROACH SLAB REMOVED, AS PER PLAN:

DESCRIPTION:

THIS WORK SHALL INCLUDE PARTIAL REMOVAL OF APPROACH SLABS BY SAW-CUTTING, PNEUMATIC HAMMERS, ETC., AND ANY OTHER APPURTENANCES NEEDED TO COMPLETE THE WORK AS SHOWN IN THE PLANS, IN ACCORDANCE WITH C&MS 202, AND AS HEREIN SPECIFIED.

EXECUTION:

REMOVAL OPERATIONS SHALL UTILIZE METHODS THAT WILL NOT DAMAGE THE ADJACENT BRIDGE SLAB, BACKWALL, APPROACH SLAB, OR PAVEMENT TO REMAIN. ANY DAMAGE TO PORTIONS OF EXISTING STRUCTURE TO REMAIN RESULTING FROM THE

CONTRACTOR'S REMOVAL OPERATIONS SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT.

CUT LINE CONSTRUCTION JOINT PREPARATION

SAW-CUTS SHALL BE PARALLEL TO THE ROADWAY CENTERLINE.

SAW-CUT FULL DEPTH THROUGH APPROACH SLABS EXCEPT WITHIN THREE FEET (3.0') FROM THE TRANSVERSE JOINT ON TOP OF THE BACKWALL. SAW CUT TWO INCHES (2") DEEP WITHIN THAT DISTANCE. PRESERVE ANY EXISTING ANCHORAGE DOWELS INTO THE BACKWALL.

CONCRETE REMOVALS:

THE DEPARTMENT WILL NOT PERMIT THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS. DO NOT BEGIN WORK UNTIL THE ENGINEER ACCEPTS THE METHOD OF REMOVAL AND THE WEIGHT OF HAMMER SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING CONCRETE REINFORCEMENT TO BE PRESERVED. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH CONCRETE REINFORCEMENT THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05.

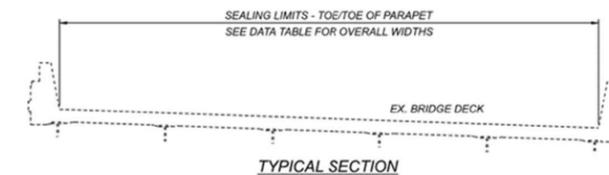
MEASUREMENT AND PAYMENT:

PAYMENT FOR ACCEPTED QUANTITIES OF THE WORK DESCRIBED HEREIN SHALL BE MADE AT THE CONTRACT UNIT PRICE BID. THIS SHALL INCLUDE ALL TOOLS, LABOR, MATERIALS, EQUIPMENT, POWER, TRANSPORT, DELIVERY, AND DISPOSAL NECESSARY TO COMPLETE THIS ITEM OF WORK AS DESCRIBED, AND TO THE SATISFACTION OF THE ENGINEER.

ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY), AS PER PLAN

THE PROVISIONS OF SECTION 512 SHALL APPLY FOR THIS ITEM OF WORK. ANY PAVEMENT MARKINGS DAMAGED OR ALTERED AS A RESULT OF THE WORK SHALL BE REPLACED IN KIND BY THE CONTRACTOR. ALL PAVEMENT MARKING REPAIRS ARE INCIDENTAL TO ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY), AS PER PLAN. THE CONTRACTOR IS REMINDED THAT C&MS 107.19 IS A CONTRACT REQUIREMENT AND WILL BE ENFORCED.

IMPLEMENT LANE CLOSURES TO PERFORM DECK SEALING IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWINGS MT-95.31 AND MT-95.32 DURING THE ALLOWABLE TIMES SPECIFIED IN THE LANE VALUE CONTRACT TABLE ON SHEET P.05/65



NOTES:

ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY), AS PER PLAN
COMPLETE ALL WORK FOR THE ITEM ON THE SPECIFIED STRUCTURE FROM THE REAR DECK END TO THE FORWARD DECK END; FROM TOE-TO-TOE OF EACH PARAPET. DO NOT EXTEND TREATMENT TO THE APPROACH SLABS.

LOCATION: GEA-422-0017L
STRUCTURAL FILE NUMBER: 2801515
CITY/TOWNSHIP: CHAGRIN FALLS

ROADWAY: 38'-10" ± TOE-TO-TOE PARAPET
BRIDGE LIMITS: 384'-8" ± WESTBOUND
BRIDGE DECK AREA: 1660 SY

ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=13"), AS PER PLAN:

DESCRIPTION:

THIS WORK SHALL INCLUDE FURNISHING AND INSTALLING REINFORCED CONCRETE APPROACH SLABS, REINFORCING STEEL, DOWEL HOLES AND DOWELS, AND ANY OTHER APPURTENANCES NEEDED TO COMPLETE THE WORK AS SHOWN IN THE PLANS AND HEREIN SPECIFIED.

EXECUTION:

PROVIDE AND INSTALL EPOXY COATED DOWELS PER C&MS 255. INSTALL TYPE D DOWELS ALONG LONGITUDINAL JOINTS BETWEEN EXISTING AND PROPOSED APPROACH SLAB SEGMENTS PER STANDARD CONSTRUCTION DRAWING BP-2.1. DO NOT DOWEL ACROSS LONGITUDINAL OR TRANSVERSE JOINTS WITH ROADWAY OR SHOULDER PAVEMENT.

PROVIDE AND INSTALL EPOXY COATED REINFORCING STEEL PER C&MS 509.

PROVIDE DOWEL HOLES AS REQUIRED PER C&MS 510.

COST OF THESE SHALL BE INCLUDED IN THIS ITEM FOR PAYMENT.

MEASUREMENT AND PAYMENT:

PAYMENT FOR ACCEPTED QUANTITIES OF THE WORK DESCRIBED HEREIN, COMPLETE IN PLACE, SHALL BE MADE AT THE CONTRACT UNIT PRICE BID. THIS SHALL INCLUDE ALL TOOLS, LABOR, MATERIALS, EQUIPMENT, POWER, TRANSPORT, DELIVERY, AND DISPOSAL NECESSARY TO COMPLETE THIS ITEM OF WORK AS DESCRIBED, AND TO THE SATISFACTION OF THE ENGINEER.

ITEM SPECIAL - STRUCTURES: MEASURING AND SURVEYING EXISTING CONDITIONS FOR REPAIR WORK:

DESCRIPTION:

THIS WORK SHALL INCLUDE SURVEY, MEASUREMENT, FIELD VERIFICATION, AND/OR GATHERING OTHER REQUIRED INFORMATION NEEDED TO FABRICATE, ORDER, OR OTHERWISE PREPARE FOR CONSTRUCTION WORK. THIS SHALL INCLUDE ALL MATERIALS, LABOR, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NEEDED TO COMPLETE THE WORK AS HEREIN SPECIFIED.

BACKGROUND:

THE BRIDGE AND RELATED WORK REQUIRED IS PART OF THIS REPAIR PROJECT. DESIGN FIELD WORK WAS LIMITED WITH RESPECT TO MEASUREMENTS AND NO SURVEYING WORK WAS PERFORMED. ACCESS TO VARIOUS AREAS OF WORK WAS OFTEN LIMITED BY TRAFFIC AND NO WORK ZONES WERE SET UP TO PERFORM ARM'S LENGTH CLOSEUP INSPECTION OR DATA GATHERING.

MEASUREMENT AND PAYMENT:

PAYMENT FOR THE ABOVE-DESCRIBED WORK SHALL BE MADE AT THE CONTRACT LUMP SUM PRICE BID FOR THIS ITEM.

CUY-BH-FY2024(B) APPROACH SLABS

MODEL: Design PAPER(S) SIZE: 11x17 (in.) DATE: 11/16/2023 TIME: 1:48:25 PM USER: cdunlap P:\23075 ODOT D3-D12 GES\117271\Task 6 - CUY-BH-FY2024(B) Approach Slabs\117899\400-Engineering\Structures\From Mott_MacDonald\117899_S\NO1.dgn

STRUCTURE GENERAL NOTES

SFN	NA
DESIGN AGENCY	M M
MOTT MACDONALD	
18013 CLEVELAND PKWY SUITE 200 CLEVELAND, OH 44135	
DESIGNER/CHECKER	MAR NKK
REVIEWER	JMR 06/14/23
PROJECT ID	117899
SUBSET	TOTAL
1	14
SHEET	TOTAL
52	65