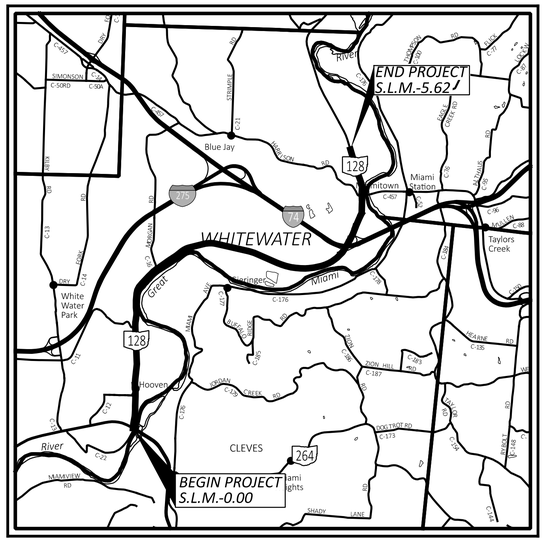
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

HAM-SR 128-0.00

WHITEWATER TOWNSHIP

HAMILTON COUNTY



LOCATION MAP

LATITUDE: 39°12'20" LONGITUDE: -84°44'11"

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

INDEX OF SHEETS:

DESIGN DESIGNATION

	S.L.M.	0-0.573	0.573-1.417	1.417-2.185	2.185-4.902	4.902-5.670
CURRENT ADT (2026)		9,100	9,100	11,500	11,500	12,500
DESIGN YEAR ADT (2038)		9,100	9,100	13,000	13,000	13,000
DESIGN HOURLY VOLUME (2026)		1,200	1,200	1,700	1,700	1,800
DIRECTIONAL DISTRIBUTION		67.2%	67.2%	53.5%	53.5%	55.6%
TRUCKS (24 HOUR B&C)		9.0%	9.0%	9.0%	9.0%	7.0%
DESIGN SPEED		50	50	50	50	50
LEGAL SPEED		45	45	45	45	45
DESIGN FUNCTIONAL CLASSIFICATION:						
05 MAJOR COLLECTOR		(URBAN)	(RURAL)	(RURAL)	(URBAN)	(URBAN)
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 8 ENGINEERING
505 S. SR 741
LEBANON, OH 45036

FEDERAL PROJECT NUMBER

E250(127)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

RESURFACING OF A PORTION OF STATE ROUTE 128 IN HAMILTON COUNTY. ADD ADA CURB RAMPS AT THE KROGER DRIVE NEAR THE INTERSECTION WITH US 50. UPDATE THE EXISTING GUARDRAIL TO CURRENT STANDARDS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 1.3 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.1 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI NOT REQUIRED)*
*ROUTINE MAINTENANCE PROJECT

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 AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Douglas A. Gruver, P.E.
District 08 Deputy Director

Pamela Boratyn
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS

BP-3.1	1/19/24	TC-61.30	7/19/24				
BP-3.2	1/18/19	TC-64.10	7/21/23				
BP-4.1	7/19/13	TC-65.10	1/17/14				
BP-7.1	7/18/25	TC-65.11	1/17/25				
		TC-71.10	7/18/25				
MGS-2.1	7/18/25	TC-74.10	7/21/23				
MGS-4.3	7/18/25						
MGS-5.3	7/15/16						
MT-97.10	7/18/25						
MT-98.28	1/17/20						
MT-97.12	7/18/25						
MT-99.20	4/19/19						
MT-105.10	1/17/20						

SUPPLEMENTAL SPECIFICATIONS

800-2023	7/18/25
821	4/20/12
832	7/18/25
874	4/17/20

SPECIAL PROVISIONS

ENGINEER'S SEAL

STATE OF OHIO
KATHERINE S. DESTEFANO
E-72215
REGISTERED
PROFESSIONAL ENGINEER

Date: 2026.01.08 12:58:37-05'00'

TITLE SHEET

DESIGN AGENCY

DESIGNER JY
REVIEWER KSD 09-05-25
PROJECT ID 116333
SHEET 1 TOTAL 9

HAM-SR 128-0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/9/2025 TIME: 9:50:43 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Tara.Shumate@dot.ohio.gov
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\116333\400-Engineering\Roadway\Sheets\116333_GT001.dgn

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 ADJACENT TO, THE WORK AREA.

ITEM 623 - CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN

PRIOR TO THE START OF ROADWAY OPERATION, THE CONTRACTOR SHALL REFERENCE THE LENGTH OF THE PROJECT ON BOTH SIDES OF THE ROADWAY, IN A MANNER SATISFACTORY TO THE ENGINEER. THE PAVEMENT SHALL BE REFRENCED IN 1000' FEET INCREMENTS, OR IN INCREMENTS ACCEPTABLE TO THE ENGINEER, IN A SEMI-PERMANENT CONDITION.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL SUMMARY 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 AT THE ENGINEER'S DIRECTION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THE PROJECT.

PERMANENT PAVEMENT MARKINGS

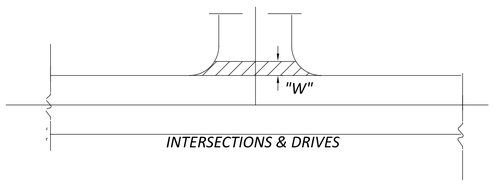
THE CONTRACTOR SHALL REFERENCE ALL PAVEMENT MARKINGS INCLUDING AUXILIARY PAVEMENT MARKINGS BEFORE THE START OF THE RESURFACING OPERATION. THIS WILL BE NECESSARY TO ASSURE THE CORRECT PLACEMENT OF MARKINGS IN ORIGINAL LOCATIONS. EXCEPT AT RAMP LOCATIONS SHOWN ON TRAFFIC CONTROL SHEETS, AND DIFFER FROM STANDARD CONSTRUCTION DRAWINGS.

PAYMENT FOR THIS OPERATION SHALL BE INCLUDED WITH EACH RESPECTIVE PAVEMENT MARKING ITEM.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE

THE PAVEMENT PLANING SHALL BE SCHEDULED TO BE COVERED BY THE SURFACE COURSE PRIOR TO REOPENING THE LANE TO TRAFFIC, EXCEPT THE CONTRACTOR IS PERMITTED TO MILL AHEAD 1000 FEET BEYOND THE PLACED SURFACE COURSE ASPHALT WITHIN 72 HOURS OF BEING OPEN TO TRAFFIC. ADDITIONALLY, THE MILLED AHEAD SURFACE SHALL NOT BE LOCATED WITHIN AN INTERSECTION OR ENTRANCE/EXIT RAMP. THE MILLED AHEAD SURFACE SHALL BE SMOOTH, FREE OF DEBRIS, AND FREE OF POTHOLES. A DISINCENTIVE IN THE AMOUNT OF $1,500 SHALL BE ASSESSED FOR EACH DAY THE CONTRACTOR FAILS TO MEET ANY OF THESE REQUIREMENTS.

INTERSECTIONS AND DRIVES

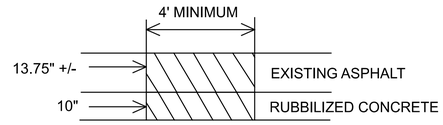


INTERSECTION AND DRIVES QUANTITIES ARE INCLUDED IN THE ASPHALT CONCRETE QUANTITIES. INTERSECTION QUANTITIES HAVE BEEN ESTIMATED AT 15' MEASURED FROM EDGE OF PAVED SHOULDER, DRIVE QUANTITIES HAVE BEEN ESTIMATED AT 3' "W" MEASURED FROM EDGE OF PAVED SHOULDER.

PERFORM WORK PER SPECIFIED OFFSET LIMITS UNLESS THERE IS AN EXISTING JOINT LOCATED CLOSER TO THE EDGE OF PAVED SHOULDER, IN WHICH CASE END WORK AT SAID JOINT.

ITEM 253 -PAVEMENT REPAIR, (A)

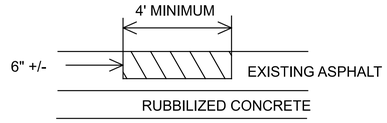
AN ESTIMATED QUANTITY OF 1,000 CU YDS OF ITEM 253 - PAVEMENT REPAIR HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. THIS OPERATION SHALL BE PERFORMED BEFORE PAVEMENT PLANING OF ROADWAY.



EXISTING DETERIORATED ASPHALT AND RUBBILIZED CONCRETE SHALL BE REMOVED TO A DEPTH OF 23.75'' ± OR AS DIRECTED BY THE ENGINEER AND REPLACED WITH 10'' ITEM 304 AND 13.75'' ITEM 301 (3 LIFTS), ASPHALT CONCRETE BASE (449), PG64-22. THE 301 SHALL BE COMPACTED AS PER 401.08E AND IN APPROXIMATELY EQUAL LAYERS. THE LOCATIONS AND SIZE OF THE REPAIRS SHALL BE DETERMINED BY THE ENGINEER.

ITEM 253 - PAVEMENT REPAIR, (B)

AN ESTIMATED QUANTITY OF 365 CU YDS OF ITEM 253 - PAVEMENT REPAIR HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. THIS OPERATION SHALL BE PERFORMED BEFORE PAVEMENT PLANING OF ROADWAY.



EXISTING DETERIORATED ASPHALT SHALL BE REMOVED TO A DEPTH OF 6'' ± OR AS DIRECTED BY THE ENGINEER AND REPLACED WITH ITEM 301, ASPHALT CONCRETE BASE (449), PG64-22. THE 301 SHALL BE COMPACTED AS PER 401.08E AND IN APPROXIMATELY EQUAL LAYERS.THE LOCATIONS AND SIZE OF THE REPAIRS SHALL BE DETERMINED BY THE ENGINEER.

ITEM 621 - RAISED PAVEMENT MARKER REMOVED/REPLACED

RPM'S SHALL BE INSTALLED ACCORDING TO SCD TC-65.10, TC-65.11

ITEM 621 - RPM, 2-WAY (YELLOW/RED)..... 325 EA.
ITEM 621 - RPM, 2 WAY (WHITE/RED)..... 105 EA.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:
ITEM 621 - RPM..... 430 EA.
ITEM 621 - RAISED PAVEMENT MARKER REMOVED..... 430 EA.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT.

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING CATCH BASINS TO GRADE PRIOR TO THE APPLICATION OF THE SURFACE COURSE AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:
ITEM 611 - CATCH BASIN ADJUSTED TO GRADE .....8 EACH

ITEM 611 - MANHOLE ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING MANHOLES TO GRADE PRIOR TO THE APPLICATION OF THE SURFACE COURSE AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:
ITEM 611 - MANHOLE ADJUSTED TO GRADE .....3 EACH

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

DUKE ENERGY (ELECTRIC) - SHANE ERHART (513-508-9609)
SHANE.ERHART@DUKE-ENERGY.COM
2010 DANA AVE
CINCINNATI, OH 45207

DUKE ENERGY (GAS) - TIM MEYER (513-287-1266)
TIM.MEYER@DUKE-ENERGY.COM
139 E 4TH ST, RM 552A
CINCINNATI, OH 45202

ALTAFIBER - BRECK COWAN (513-565-7187)
ROADPROJECTS@ALTAFIBER.COM
221 E 4TH ST (BUILDING 205-120)
CINCINNATI, OH 45202

CHARTER COMMUNICATIONS - KENT RIEGER (513-386-5499)
DL-SPECTRUM-OHIO-OUTSIDE-PLANT@CHARTER.COM
10920 KENWOOD RD
BLUE ASH, OH 45242

COGENT COMMUNICATIONS - PAUL BECKER (815-557-8416)
PBECKER@COGENTCO.COM

LUMEN - JORDAN LANGSTON (513-933-3502)
RELOCATIONS@LUMEN.COM
20 N MECHANIC ST
LEBANON, OH 45036

MCI - STEPHEN HOWELL (513-839-3486)
STEPHEN.HOWELL@VERIZON.COM
8800 GOVERNOR HILL DR
CINCINNATI, OH 45249

VILLAGE OF CLEVES (WATER) - ERIC WINHUSEN (513-941-3490)
EWCLEVESWATERWORKS@GMAIL.COM
101 NORTH MIAMI AVE
CLEVES, OH 45002

CITY OF CINCINNATI (SEWER) - CHRIS KELLY (513-352-3721)
CHRIS.KELLY@CINCINNATI-OH.GOV
801 PLUM ST, RM 450
CINCINNATI, OH 45202

ODOT D8 TRAFFIC - JIM JUDD (513-933-6692)
JIM.JUDD@DOT.OHIO.GOV
505 S SR 741
LEBANON, OH 45036

ODOT ITS- TOM MAZZA (513-933-6591)
THOMAS.MAZZA@DOT.OHIO.GOV
505 S SR 741
LEBANON, OH 45036

CONSTRUCTION NOISE

THE PROJECT WILL COMPLY WITH ALL LOCAL NOISE ORDINANCES.

SOLE SOURCE AQUIFER

THE PROJECT IS LOCATED WITHIN THE GREATER MIAMI SOLE SOURCE AQUIFER ALONG SR-128 FROM SLM 0.00 TO 0.75 AND 1.39 TO 5.62. USE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS. DO NOT STORE FUELS, TOXIC/HAZARDOUS MATERIALS, AND CHEMICALS NEAR DRAINAGE WAYS, DITCHES, OR STREAMS. MAINTAIN A SPILL KIT ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. IMMEDIATELY MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS, THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. REPORT ALL SPILLS OR EVENTS TO THE CLEVES WATERWORKS 513-941-3490 AND THE GREATER CINCINNATI WATER WORKS 513-591-7700. IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), CONTACT THE WHITEWATER TOWNSHIP FIRE DEPARTMENT 513-353-1518 OR THE OHIO EPA'S SPILLS HOTLINE 1-800-282-9378 FOR CLEAN-UP OF THE SPILL.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS.

659, TOP SOIL	222 CY
659, SEEDING AND MULCHING	2000 SY
659, COMMERCIAL FERTILIZER	0.27 TON
659, LIME	0.41 ACRES
659, WATER	11.1 MGAL

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE MASH 2016 TYPE E TANGENETIAL END TREATMENTS FOR TYPE MGS GUARDRAIL AS LISTED UNDER "PRODUCTS ACCEPTED FOR NEW INSTALLATIONS" ON THE ROADWAY APPROVED PRODUCTS LIST POSTED ON ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH SOLID FLUORESCENT YELLOW REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

WHEN THE FACE OF THE ADJACENT (ATTACHED) GUARDRAIL IS LESS THAN 4' OFFSET FROM THE PROPOSED EDGE LINE, AND PERMITTING SITE CONDITIONS EXIST: THE PROPOSED TYPE E ANCHOR ASSEMBLY SHALL BE INSTALLED AT A CONSISTENT FLARE RATE THROUGH THE FULL LENGTH OF THE SYSTEM. THE FLARE RATE SHALL BE A MAXIMUM OF 25:1 (RESULTING IN A 2' OFFSET). THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE SHOP DRAWINGS, PRODUCT INSTALLATION MANUAL/GUIDANCE, AND AS DIRECTED BY THE ENGINEER.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

GENERAL NOTES

DESIGN AGENCY

DESIGNER JY
REVIEWER KSD 09-05-25
PROJECT ID 116333
SHEET 2 TOTAL 9

HAM-SR 128-0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/9/2025 TIME: 9:50:49 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Tara.Shumate@dot.ohio.gov
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\116333\400-Engineering\Roadway\Sheets\116333_GN001.dgn

ITEM 614 - MAINTAINING TRAFFIC

ALL LANES OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT LANE CLOSURES ARE PERMITTED ACCORDING TO THE LANE VALUE CONTRACT TABLE, BY USE OF THE EXISTING PAVEMENT.

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

MEMORIAL DAY
FOURTH OF JULY (OBSERVED)
LABOR DAY
GENERAL/REGULAR ELECTION DAY (NOV)
THANKSGIVING
CHRISTMAS (OBSERVED)

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:

DAY OF HOLIDAY OR SPECIAL EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY	(GEN./REG. ELECTION) 5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY	(THANKSGIVING ONLY) 6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

DURING THE SAME PERIODS, MAINTAIN PEDESTRAIN 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).

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION SHOWN IN STANDARD CONSTRUCTION DRAWINGS.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

LANE VALUE CONTRACT TABLE

DESCRIPTION OF CRITICAL LANE/RAMP TO BE MAINTAINED	RESTRICTION TIME PERIOD	TIME UNIT	DISINCENTIVE $ PER TIME UNIT
ALL LANES OPEN ON SR 128 0.0 MM TO 4.0 MM	NO RESTRICTION	1 MINUTE	$100
ALL LANES OPEN ON SR 128 4.0 MM TO 5.6 MM	6:30 AM TO 8:30 AM AND 3 PM TO 7 PM	1 MINUTE	$100

GUARDRAIL REPLACEMENT

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE THE EXISTING GUARDRAIL, PREPARE THE SITE, AND INSTALL THE NEW GUARDRAIL/BARRIER IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL/ BARRIER SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL/BARRIER SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED UNTIL SUCH TIME AS THE ENGINEER IS ASSURED OF COMPLIANCE.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CLOSURES & RESTRICTIONS	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW SHALL NOT BE PERMITTED AT PROJECT COST NOR TIME COMPENSATION. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS AND/OR IN CONTRARY TO OTHER TRAFFIC CONTROL DEVICE IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE SHIFT DURATION SHALL NOT BE LESS THAN THE LEO'S MINIMUM SHOW-UP TIME REQUIRED BY THEIR LAW ENFORCEMENT AGENCY.THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 200 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

MAINTENANCE OF TRAFFIC

DESIGN AGENCY

DESIGNER JY

REVIEWER KSD 09-05-25

PROJECT ID 116333

SHEET 3 TOTAL 9

HAM-SR 128-0.00

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/9/2025 TIME: 9:50:57 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Tara.Shumate@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 116333 PRODUCT: OpenRoadsDesigner 24.00.00.205
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ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL (IN ACTIVE CELLULAR PHONE AREAS) ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT. THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER
PLAN 8 SIGN MONTH ASSUMING 2 PCMS
SIGN(S) FOR 4 MONTH(S)

ITEM - 614 WORK ZONE MARKINGS

THE CONTRACTOR SHALL PLACE WORK ZONE PAVEMENT MARKINGS UPON COMPLETION OF THE ASPHALT SURFACE COURSE PRIOR TO OPENING THE ROADWAY TO TRAFFIC.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.11.

ITEM 614-WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT -	11.13 MILES
ITEM 614-WORK ZONE CENTER LINE, CLASS III, 642 PAINT -	5.81 MILES
ITEM 614-WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT -	1712 FEET
ITEM 614-WORK ZONE STOP LINE, CLASS III, 642 PAINT -	262 FEET
ITEM 614-WORK ZONE TRANSVERSE/DIAGONAL, CLASS III, 642 PAINT -	672 FEET
ITEM 614-WORK ZONE ARROW, CLASS III, 642 PAINT -	29 EACH
ITEM 614-WORK ZONE CROSSWALK LINE, CLASS III, 24", 642 PAINT -	247 FEET
ITEM 614-WORK ZONE SCHOOL, 72", CLASS III, 642 PAINT -	2 EACH

MAINTENANCE OF TRAFFIC

DESIGN AGENCY

DESIGNER JY

REVIEWER KSD 09-05-25

PROJECT ID 116333

SHEET 4 TOTAL 9

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SHEET NUMBER												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
2	3	4	6	7	8	9						01/S>2	02/STR						
																		ROADWAY	
					25							25		202	38000	25	FT	GUARDRAIL REMOVED	
					7							6	1	202	42010	7	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
					1							1		202	42040	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
						5						5		204	10000	5	SY	SUBGRADE COMPACTION	
					425							425		606	15050	425	FT	GUARDRAIL, TYPE MGS	
					8							7	1	606	26150	8	EACH	ANCHOR ASSEMBLY, MGS TYPE E	
						48						48		608	10000	48	SF	4" CONCRETE WALK	
						86						86		608	52000	86	SF	CURB RAMP	
						28						28		608	53020	28	SF	DETECTABLE WARNING	
																		EROSION CONTROL	
222												178	44	659	00300	222	CY	TOPSOIL	
2,000												1,600	400	659	10000	2,000	SY	SEEDING AND MULCHING	
0.27												0.22	0.05	659	20000	0.27	TON	COMMERCIAL FERTILIZER	
0.41												0.33	0.08	659	31000	0.41	ACRE	LIME	
11.1												8.9	2.2	659	35000	11.1	MGAL	WATER	
												800	200	832	30000	1,000	EACH	EROSION CONTROL	
																		DRAINAGE	
8												8		611	98630	8	EACH	CATCH BASIN ADJUSTED TO GRADE	
3												3		611	99654	3	EACH	MANHOLE ADJUSTED TO GRADE	
																		PAVEMENT	
						5						5		253	01000	5	SY	PAVEMENT REPAIR	
1,000												800	200	253	02000	1,000	CY	PAVEMENT REPAIR, (A)	
365												292	73	253	02000	365	CY	PAVEMENT REPAIR, (B)	
			109,016									80,731	28,285	254	01000	109,016	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5" DEPTH	
			1,092									809	283	254	01600	1,092	SY	PATCHING PLANED SURFACE	
			9,812									7,266	2,546	407	20000	9,812	GAL	NON-TRACKING TACK COAT	
			4,543									3,364	1,179	442	10001	4,543	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M	
			366									261	105	617	10100	366	CY	COMPACTED AGGREGATE	
			6,594									4,705	1,889	617	20000	6,594	SY	SHOULDER PREPARATION	
			7									4.9	2.1	617	25000	7	MGAL	WATER	
			1.61										1.61	618	43000	1.61	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
																		TRAFFIC CONTROL	
430												344	86	621	00100	430	EACH	RPM	
430												344	86	621	54000	430	EACH	RAISED PAVEMENT MARKER REMOVED	
						8						8		626	00110	8	EACH	BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)	
				11.13								7.96	3.17	644	00104	11.13	MILE	EDGE LINE, 6"	
				5.81								4.22	1.59	644	00300	5.81	MILE	CENTER LINE	
				1,712								1,612	100	644	00400	1,712	FT	CHANNELIZING LINE, 8"	
				262								236	26	644	00500	262	FT	STOP LINE	
				247								247		644	00620	247	FT	CROSSWALK LINE, 12"	
				672								672		644	00700	672	FT	TRANSVERSE/DIAGONAL LINE, 24"	
				2								2		644	01100	2	EACH	SCHOOL SYMBOL MARKING, 72"	
				29								27	2	644	01300	29	EACH	LANE ARROW	
																		MAINTENANCE OF TRAFFIC	
	200											180	20	614	11110	200	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		8										7	1	614	18600	8	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN	
		5.81										4.22	1.59	614	21550	5.81	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
		11.13										7.96	3.17	614	22360	11.13	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
		1,712										1,612	100	614	23690	1,712	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	
		672										672		614	25620	672	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT	
		262										236	26	614	26610	262	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
		247										247		614	27260	247	FT	WORK ZONE CROSSWALK LINE, CLASS III, 24", 642 PAINT	
		29										27	2	614	30650	29	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
		2										2		614	31740	2	EACH	WORK ZONE SCHOOL SYMBOL MARKING, 72", CLASS III, 642 PAINT	
																		INCIDENTALS	
												LS		614	11000	LS		MAINTAINING TRAFFIC	
												LS		623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	2
												LS		624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER TCS

REVIEWER KSD 09-05-25

PROJECT ID 116333

SHEET 5 TOTAL 9

HAM-SR 128-0.00

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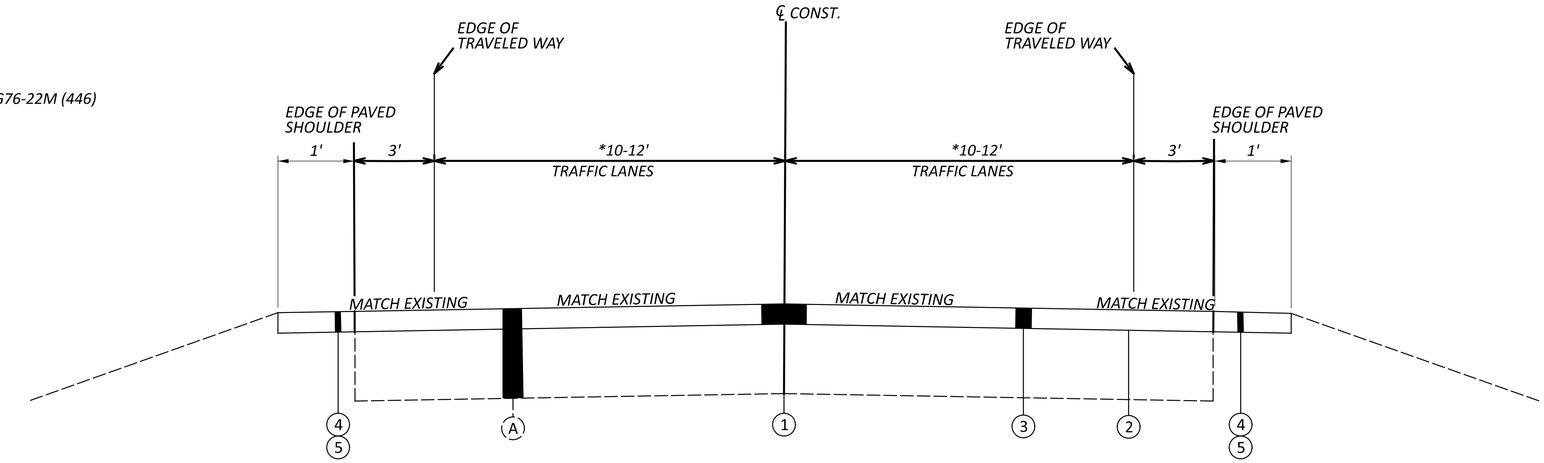
PAVEMENT QUANTITIES

LEGEND

1. *ITEM 442 - 1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A, PG76-22M (446)*
2. *ITEM 407 - NON TACKING TACK COAT (RATE 0.09 GAL/SY)*
3. *ITEM 254 - 1.5" PAVEMENT PLANING, ASPHALT CONCRETE*
4. *ITEM 617 - SHOULDER PREPARATION*
5. *ITEM 617 - 2" COMPACTED AGGREGATE, TYPE A*

A. *EXISTING PAVEMENT: COMPOSITE*



ROAD RESURFACING SECTION

HAM-SR 128	**VARIES AT SLM: 0.00 TO 0.28*
SLM = 0.28 - 1.72	**VARIES AT SLM: 1.72 TO 1.76: RT LANE IN ADDITION TO THE TWO LANES SHOWN IN TYPICAL SECTION*
SLM = 1.76 - 3.09	**VARIES AT SLM: 3.09 TO 3.13: WB RT LANE IN ADDITION TO THE TWO LANES SHOWN IN TYPICAL SECTION*
SLM = 3.13 - 3.28	**VARIES AT SLM: 3.28 TO 3.45: EB LT LANE + WB RT LANE IN ADDITION TO THE TWO LANES SHOWN IN TYPICAL SECTION*
SLM = 3.45 - 4.83	**VARIES AT SLM: 4.83 TO 5.03: WB LT LANE IN ADDITION TO THE TWO LANES SHOWN IN TYPICAL SECTION*
SLM = 5.03 - 5.04	**VARIES AT SLM: 5.04 TO 5.25: WB LT LANE IN ADDITION TO THE TWO LANES SHOWN IN TYPICAL SECTION*
SLM = 5.25 - 5.62	

PLAN SPLIT	COUNTY-ROUTE	LOG POINT (MILE)		LENGTH		PAVEMENT AREA (Micro-Station Generated Area)	PAVEMENT AREA	254			407	442		617			618	NOTES
								PAVEMENT PLANING ASPHALT CONCRETE		PATCHING PLANED SURFACE	NON TRACKING TACK COAT @ 0.09 GAL/SQ YD	ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446), PG76-22M		COMPACTED AGGREGATE, 2" DEPTH, 12" WIDTH	SHOULDER PREPARATION	WATER @ 20 GAL/CU YD	CENTER LINE, RUMBLE STRIPE (ASPHALT CONCRETE)	
		FROM	TO					DEPTH				THICK-NESS						
				MILES	FT	SQ FT	SQ YD	INCHES	SQ YD	SQ YD	GAL	CU YD	CU YD	CU YD	SQ YD	MGAL	MILES	
01/S>2	HAM-128	0.00	0.57	0.57	3010	122021	13558	1.50	13557.9	136	1220.2	1.50	564.9	37.2	668.8	0.7		
02/STR	HAM-128	0.57	2.18	1.61	8501	254564	28285	1.50	28284.9	283	2545.6	1.50	1178.5	104.9	1889.1	2.1	1.61	
01/S>2	HAM-128	2.18	5.27	3.09	16315	536905	59656	1.50	59656.1	597	5369.1	1.50	2485.7	201.4	3625.6	4.0		
01/S>2	HAM-128	5.27	5.62	0.35	1848	67647	7516	1.50	7516.3	76	676.5	1.50	313.2	22.8	410.7	0.5		
	TOTALS CARRIED TO GENERAL SUMMARY								109016	1092	9812		4543	366	6594	7	1.61	

DESIGN AGENCY

DESIGNER JY

REVIEWER KSD 09-05-25

PROJECT ID 116333

SHEET 6 TOTAL 9

HAM-128-0.00

PAVEMENT MARKINGS

PART	COUNTY-ROUTE	LOG POINT (MILE)		TOTAL	644								646								REMARKS
					EDGE LINE 4"		EDGE LINE 6"		LANE LINE		CENTER LINE		EDGE LINE 4"		EDGE LINE 6"		LANE LINE		CENTER LINE		
					WHITE		WHITE	YELLOW	DASHED	SOLID	DASHED	SOLID	WHITE		WHITE		DASHED	SOLID	DASHED	SOLID	
		FROM	TO	MILE	MILE		MILE		MILE	MILE	MILE	MILE	MILE		MILE		MILE	MILE	MILE	MILE	
01/S>2	HAM-128	0.00	0.28	0.28			0.61					0.38									
	HAM-128	0.28	0.57	0.29			0.56					0.25									
02/STR	HAM-128	0.57	2.19	1.61			3.17					1.59									
	HAM-128	2.19	4.90	2.72			5.42				0.30	2.43									
01/S>2	HAM-128	4.90	5.27	0.37			0.70	0.02				0.50									
	HAM-128	5.27	5.62	0.35			0.65					0.36									
TOTALS CARRIED TO GENERAL SUMMARY							11.13				5.81										

PART	COUNTY-ROUTE	LOG POINT (MILE)		644											8" CHANNEL-IZING LINE	12" CHANNEL-IZING LINE	STOP LINE	24'' DIAGONAL LINE	CROSS WALK	ISLAND MARKING	RxR	LANE ARROWS		DOTTED LINE
				8" CHANNEL-IZING LINE	12" CHANNEL-IZING LINE	STOP LINE	TRANS-VERSE /DIAGONAL LINE, 24"	CROSS-WALK LINE, 12"	ISLAND MARKING	SCHOOL, 72"	LANE ARROWS											TURN		
						24"					TURN						24"					LEFT	RIGHT	
		FROM	TO	WHITE	WHITE		YELLOW				LEFT	RIGHT	THRU-RT		WHITE	WHITE		WHITE						
				FT	FT	FT	FT	FT	SQ FT	EA	EACH	EACH	FT		FT	FT	FT	FT	FT	SQ FT	EA	EACH	EACH	FT
01/S>2	HAM-128	0.00	0.28		746	115	192				6	4	2											
	HAM-128	0.28	0.57																					
02/STR	HAM-128	0.57	2.19		100	26						2												
	HAM-128	2.19	4.90		444	11	180				3	5												
01/S>2	HAM-128	4.90	5.27		402	110	300				7													
	HAM-128	5.27	5.62		20			247		2														
TOTALS CARRIED TO GENERAL SUMMARY					1712	262	672	247		2	27		2											

HAM-128-0.00

DESIGN AGENCY

DESIGNER JY

REVIEWER KSD 09-05-25

PROJECT ID 116333

SHEET 7 TOTAL 9

GUARDRAIL QUANTITIES

COUNTY	ROUTE	LOG POINT		SIDE	ITEM 202			ITEM 606		ITEM 626	NOTES
					GUARDRAIL REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE E	ANCHOR ASSEMBLY REMOVED, TYPE T	GUARDRAIL, TYPE MGS	ANCHOR ASSEMBLY, MGS TYPE E	BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)	
		FROM	TO		FT	EACH	EACH	FT	EACH	EACH	
HAM	SR 128	1.540	1.912	RT		1			1		REMOVE AND REPLACE TYPE E AA AT THE START OF THE GUARDRAIL RUN.
HAM	SR 128	3.085	3.114	RT		1			1		REMOVE AND REPLACE TYPE E AA AT THE START OF THE GUARDRAIL RUN.
HAM	SR 128	3.013	3.107	RT		1			1		REMOVE AND REPLACE TYPE E AA AT THE START OF THE GUARDRAIL RUN.
HAM	SR 128	4.255	4.194	RT		1			1		REMOVE AND REPLACE TYPE E AA AT THE START OF THE GUARDRAIL RUN.
HAM	SR 128	4.715	4.742	RT		1			1		REMOVE AND REPLACE TYPE E AA AT THE START OF THE GUARDRAIL RUN.
HAM	SR 128	4.584	4.609	RT		1			1		REMOVE AND REPLACE TYPE E AA AT THE START OF THE GUARDRAIL RUN.
HAM	SR 128/IR 74	5.107	4.997	RT	25.0	1		150.0	1	3	REMOVE AND REPLACE TYPE E AA AT THE START AND INSTALL NEW GUARDRAIL AND THE NEW TYPE E AA PER SCDS MGS-2.1, 4.3 & 5.3. THE GUARDRAIL SHALL BE INSTALLED ALONG SR 128 WITH UTILITY POLES BEHIND THE NEW GUARDRAIL.
HAM	SR 128/IR 74	8.120	7.964	RT			1	275.0	1	5	REMOVE TYPE T AA AT THE END AND INSTALL 275 FEET OF NEW GR AND ADD THE NEW TYPE E AA PER SCDS MGS-2.1, 4.3 & 5.3. THE GUARDRAIL SHALL BE EXTENDED ALONG THE EXIT RAMP AND SR 128 IN FRONT OF CASEY'S.
TOTALS CARRIED TO GENERAL SUMMARY					**25**	**7**	**1**	**425**	**8**	**8**	

DESIGN AGENCY

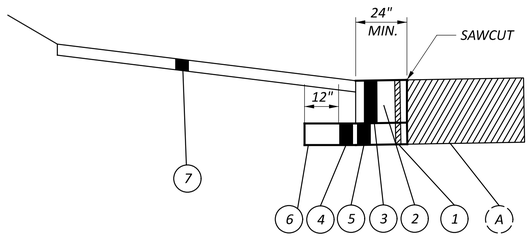
DESIGNER TCS

REVIEWER KSD 09-05-25

PROJECT ID 116333

SHEET 8 TOTAL 9

HAM-128-0.00



(1) ITEM 253 - PAVEMENT REPAIR
- (2) ITEM 407 - NON-TRACKING TACK COAT
- (3) ITEM 301 - 8'' ASPHALT CONCRETE BASE, PG 64-22, (449) 2-4'' LIFTS
- (4) ITEM 304 - 6'' AGGREGATE BASE
- (5) ITEM 304 - 10'' AGGREGATE BASE

(6) ITEM 204 - SUBGRADE COMPACTION

(7) ITEM 608 - 4'' CONCRETE WALK

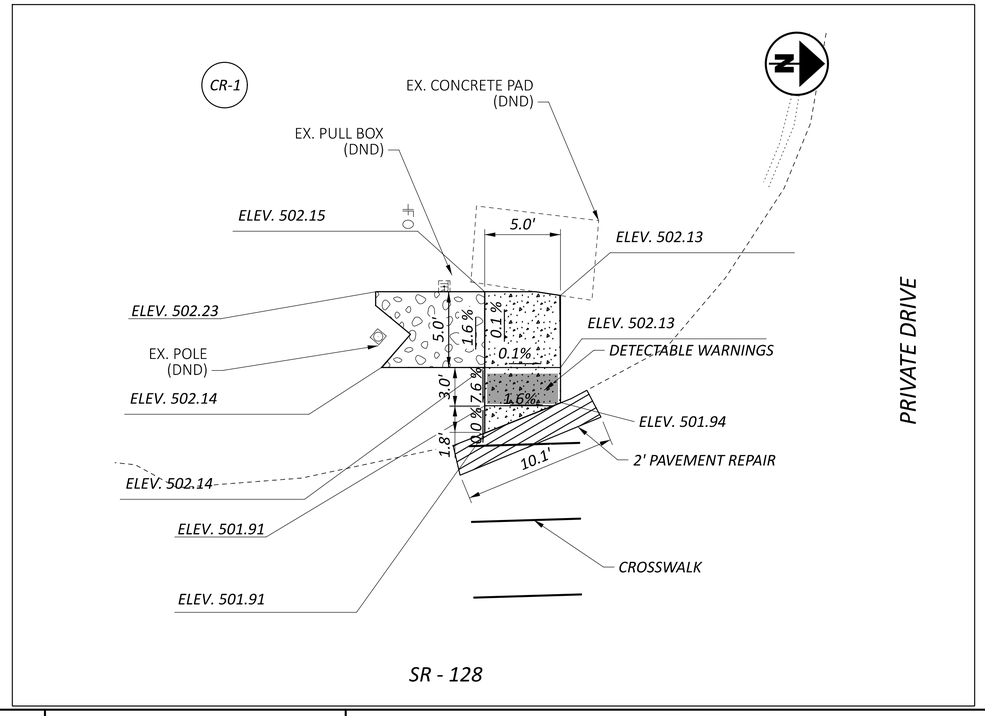
(A) EXISTING ASPHALT SECTION

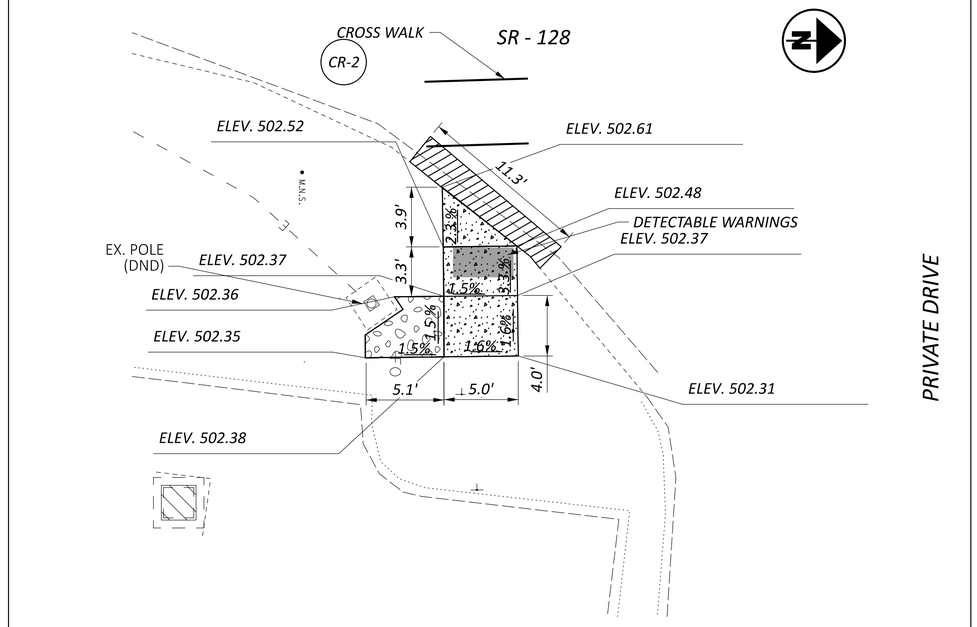
LEGEND

PAVEMENT REPAIR

CURB RAMP

4'' CONCRETE WALK





CURB RAMP DETAIL
SR-128 & KROGER INTERSECTION

HORIZONTAL SCALE IN FEET
0 2.5 5 10

COUNTY	ROUTE	LOGPOINT OR INTERSECTING STREETNAME	FOR INFORMATION ONLY: CURB RAMP TYPE PER BP-7.1 TYPE A1	TYPE A2	TYPE B2	TYPE B3	TYPE C1	TYPE C2	BLENDED TRANSITION	DETECTABLE WARNING	204 SUBGRADE COMPACTION	253 PAVEMENT REPAIR	FOR INFORMATION ONLY 301 ASPHALT CONCRETE BASE, PG64-22	304 6" AGGREGATE BASE	304 10" AGGREGATE BASE	407 NON TRACKING TACK COAT	608 4" CONCRETE WALK	608 CURB RAMP	608 DETECTABLE WARNING	ADDITIONAL NOTES
			ONE EACH PER COMPASS DESCRIBED LOCATION								SQ YD	SQ YD	CU YD	CU YD	CU YD	GAL	SQ FT	SQ FT	SQ FT	
HAM	SR-128	SW KROGER INTERSECTION (CR-1)						1		1	2.1	2.1	0.5	0.4	1.1	0.1	31	42	14	
HAM	SR-128	SE KROGER INTERSECTION (CR-2)							1	1	2.5	2.5	0.6	0.4	1.3	0.2	17	44	14	
TOTALS CARRIED TO GENERAL SUMMARY											5	5					48	86	28	

DESIGN AGENCY

DESIGNER GAT

REVIEWER XXX MM-DD-YY

PROJECT ID 116333

SHEET 9 TOTAL 9

HAM-128-0.00