

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

D03-RM-FY2024

FEDERAL PROJECT NUMBER

NON FEDERAL

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

REACTIVE PAVEMENT MAINTENANCE ON VARIOUS ROUTES IN DISTRICT 3

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/A ACRES (MAINTENANCE PROJECT)
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A ACRES (MAINTENANCE PROJECT)
 NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES (MAINTENANCE PROJECT)

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.

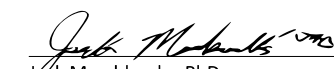
2023 SPECIFICATIONS

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.

MOT ENDORSEMENT

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.


 Robert Weaver
 District 03 Deputy Director


 Jack Marchbanks, PhD
 Director, Department of Transportation

SEE SHEET 2

LOCATION MAP

LATITUDE: 40°52'38" LONGITUDE: 82°17'41"



MONTGOMERY TOWNSHIP
 ASHLAND COUNTY
 SANDUSKY TOWNSHIP
 VERNON TOWNSHIP
 CRAWFORD COUNTY
 WESTFIELD TOWNSHIP
 GUILFORD TOWNSHIP
 MONTVILLE TOWNSHIP
 MEDINA TOWNSHIP
 BRUNSWICK HILLS TOWNSHIP
 MEDINA COUNTY

WASHINGTON TOWNSHIP
 TROY TOWNSHIP
 SPRINGFIELD TOWNSHIP
 RICHLAND COUNTY
 CLINTON TOWNSHIP
 PLAIN TOWNSHIP
 WOOSTER TOWNSHIP
 WAYNE COUNTY

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)

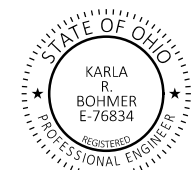
INDEX OF SHEETS:

TITLE SHEET	1
STRAIGHT LINE DIAGRAM	2
DESIGN DESIGNATION	3
TYPICAL SECTIONS	4
GENERAL NOTES	5-6
MAINTENANCE OF TRAFFIC NOTES	7-8
GENERAL SUMMARY	9
PAVEMENT DATA	10-11
PAVEMENT MARKING DATA	12

PLANS PREPARED BY:

 **OHIO DEPARTMENT OF TRANSPORTATION**
 DISTRICT THREE ENGINEERING

ENGINEER'S SEAL



STANDARD CONSTRUCTION DRAWINGS							SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
BP-2.1	1/21/22	MT-95.30	7/19/19	TC-41.20	10/18/13		800-2023	10/20/23	
BP-2.2	1/15/21	MT-97.11	1/20/17	TC-42.20	10/18/13		821	4/20/12	
BP-3.1	1/21/22	MT-99.20	4/19/19	TC-52.10	10/18/13		832	7/21/23	
		MT-101.90	7/17/20	TC-52.20	1/15/21		897	1/16/15	
		MT-105.10	1/17/20	TC-65.10	4/17/14		921	4/20/12	
				TC-65.11	1/19/24				
DM-4.3	1/15/16								
DM-4.4	1/15/16								

TITLE SHEET

DESIGN AGENCY
DISTRICT 3

ENGINEERING TEAM ONE

DESIGNER
 CVH

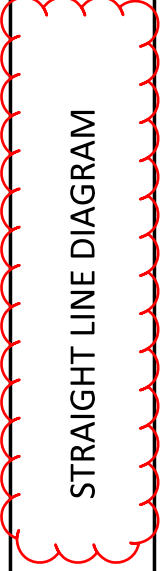
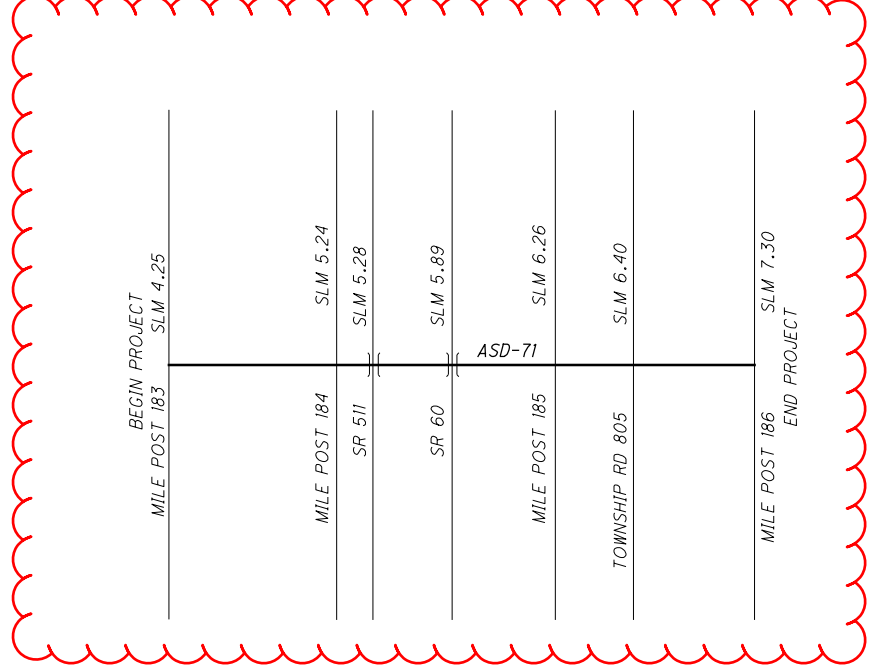
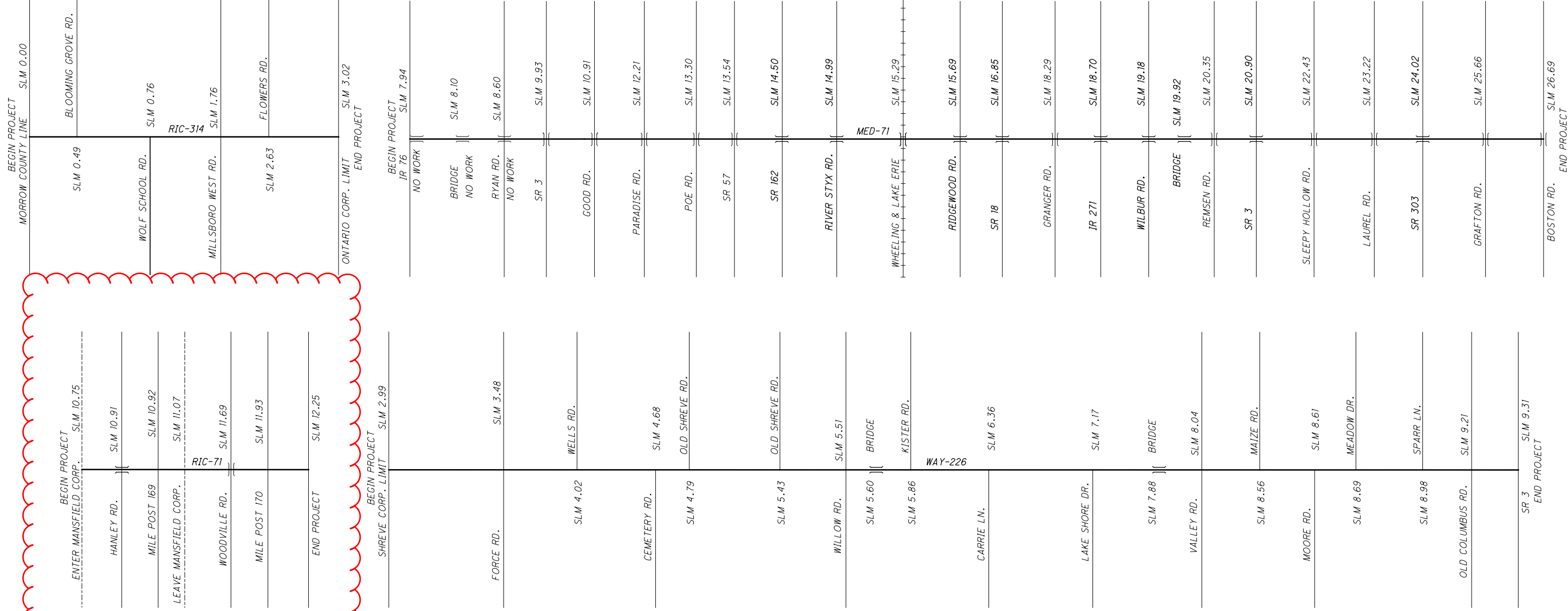
REVIEWER
 KRB 12/2023

PROJECT ID
 108031

SHEET TOTAL
 1 | 12

D03-RM-FY2024

MODEL: Sheet_SurvF1 PAPER SIZE: 17x11 (in.) DATE: 3/7/2024 TIME: 11:26:54 AM USER: cvanhorn pwc:\ohio-dot-pw-bentley.com\shahid-pw-02\Documents\01 Active Projects\District 03_D03108031\00-Engineering\Roadway\Sheets\108031_GT001.dgn



ASD 71 4.25-7.30

CURRENT ADT (2024)	55,000
DESIGN YEAR ADT (2030)	61,500
DESIGN HOURLY VOLUME (2030)	8,200
DIRECTIONAL DISTRIBUTION	52%
TRUCKS (24 HOUR B&C)	27%
DESIGN SPEED	70
LEGAL SPEED	70
DESIGN FUNCTIONAL CLASSIFICATION:	
FREEWAYS AND EXPRESSWAYS	
NHS PROJECT	YES

CRA 96 3.66-8.39

CURRENT ADT (2024)	750
DESIGN YEAR ADT (2030)	750
DESIGN HOURLY VOLUME (2030)	100
DIRECTIONAL DISTRIBUTION	58%
TRUCKS (24 HOUR B&C)	8%
DESIGN SPEED	55
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION:	
MAJOR COLLECTOR	
NHS PROJECT	NO

CRA 96 8.39-8.52

CURRENT ADT (2024)	2,400
DESIGN YEAR ADT (2030)	2,400
DESIGN HOURLY VOLUME (2030)	300
DIRECTIONAL DISTRIBUTION	50%
TRUCKS (24 HOUR B&C)	11%
DESIGN SPEED	55
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION:	
MAJOR COLLECTOR	
NHS PROJECT	NO

CRA 96 8.52-11.42

CURRENT ADT (2024)	1,000
DESIGN YEAR ADT (2030)	1,000
DESIGN HOURLY VOLUME (2030)	150
DIRECTIONAL DISTRIBUTION	52%
TRUCKS (24 HOUR B&C)	6%
DESIGN SPEED	55
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION:	
MAJOR COLLECTOR	
NHS PROJECT	NO

MED 71 7.54-16.74

CURRENT ADT (2024)	43,000
DESIGN YEAR ADT (2030)	44,500
DESIGN HOURLY VOLUME (2030)	5,600
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	29%
DESIGN SPEED	70
LEGAL SPEED	70
DESIGN FUNCTIONAL CLASSIFICATION:	
FREEWAYS AND EXPRESSWAYS	
NHS PROJECT	YES

MED 71 16.74-18.51

CURRENT ADT (2024)	66,000
DESIGN YEAR ADT (2030)	68,000
DESIGN HOURLY VOLUME (2030)	8,800
DIRECTIONAL DISTRIBUTION	66%
TRUCKS (24 HOUR B&C)	28%
DESIGN SPEED	55
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION:	
FREEWAYS AND EXPRESSWAYS	
NHS PROJECT	YES

MED 71 18.51-20.70

CURRENT ADT (2024)	40,000
DESIGN YEAR ADT (2030)	41,000
DESIGN HOURLY VOLUME (2030)	5,200
DIRECTIONAL DISTRIBUTION	53%
TRUCKS (24 HOUR B&C)	9%
DESIGN SPEED	70
LEGAL SPEED	70
DESIGN FUNCTIONAL CLASSIFICATION:	
FREEWAYS AND EXPRESSWAYS	
NHS PROJECT	YES

MED 71 20.70-24.20

CURRENT ADT (2024)	47,500
DESIGN YEAR ADT (2030)	47,500
DESIGN HOURLY VOLUME (2030)	5,900
DIRECTIONAL DISTRIBUTION	50%
TRUCKS (24 HOUR B&C)	6%
DESIGN SPEED	70
LEGAL SPEED	70
DESIGN FUNCTIONAL CLASSIFICATION:	
FREEWAYS AND EXPRESSWAYS	
NHS PROJECT	YES

MED 71 24.20-26.69

CURRENT ADT (2024)	59,500
DESIGN YEAR ADT (2030)	60,000
DESIGN HOURLY VOLUME (2030)	5,900
DIRECTIONAL DISTRIBUTION	56%
TRUCKS (24 HOUR B&C)	7%
DESIGN SPEED	65
LEGAL SPEED	65
DESIGN FUNCTIONAL CLASSIFICATION:	
FREEWAYS AND EXPRESSWAYS	
NHS PROJECT	YES

RIC 71 10.75-21.25

CURRENT ADT (2024)	52,500
DESIGN YEAR ADT (2030)	57,000
DESIGN HOURLY VOLUME (2030)	7,900
DIRECTIONAL DISTRIBUTION	53%
TRUCKS (24 HOUR B&C)	33%
DESIGN SPEED	70
LEGAL SPEED	70
DESIGN FUNCTIONAL CLASSIFICATION:	
FREEWAYS AND EXPRESSWAYS	
NHS PROJECT	YES

RIC 314 0.00-3.75

CURRENT ADT (2024)	4,700
DESIGN YEAR ADT (2030)	4,900
DESIGN HOURLY VOLUME (2030)	550
DIRECTIONAL DISTRIBUTION	53%
TRUCKS (24 HOUR B&C)	11%
DESIGN SPEED	55
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION:	
MAJOR COLLECTOR	
NHS PROJECT	NO

WAY 226 2.87-9.31

CURRENT ADT (2024)	5,700
DESIGN YEAR ADT (2030)	5,900
DESIGN HOURLY VOLUME (2030)	700
DIRECTIONAL DISTRIBUTION	61%
TRUCKS (24 HOUR B&C)	4%
DESIGN SPEED	55
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION:	
MAJOR COLLECTOR	
NHS PROJECT	NO



UTILITIES

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

ASD-71

CITY
CITY OF ASHLAND
206 CLAREMONT AVENUE
ASHLAND, OH 44805
419.289.8331

GAS
TC ENERGY
589 N STATE ROAD
MEDINA, OH 44256
330.721.4163

COMMUNICATION
FRONTIER COM
83 TOWNSEND AVENUE
NORWALK, OH 44857
419.744.3613

GAS
NORTHEAST OHIO NATURAL GAS
9081 STATE ROUTE 250
STRASBURG, OH 44680
330.878.5589

GAS
NORTHEAST OHIO NATURAL GAS
5640 LANCASTER-NEWARK ROAD NE
PLEASANTVILLE, OH 43148
800.237.2099

ELECTRIC
OHIO EDISON
1717 ASHLAND ROAD
MANSFIELD, OH 44905
419.521.6214

CRA-96

ELECTRIC
AEP OHIO
2552 QUAKER ROAD
BUCYRUS, OH 44820
419.563.1509

ELECTRIC
NORTH-CENTRAL ELECTRIC CO-OP
13978 E C.R. 56
ATTICA, OH 44807
419.426.3072

COMMUNICATION
BRIGHTSPEED
203 W. 9TH STREET
LORAIN, OH 44052
440.244.8330

COMMUNICATION
FRONTIER COM
83 TOWNSEND AVENUE
NORWALK, OH 44857
419.744.3613

GAS
ASPIRE ENERGY
300 TRACY BRIDGE ROAD
ORRVILLE, OH 44667
330.682.7726

MED-71

CABLE
BREEZELINE
105 BLAZE INDUSTRIAL PKWY
BEREA, OH 44017
866.496.9669

CABLE
ARMSTRONG UTILITIES
1141 LAFAYETTE ROAD
MEDINA, OHIO 44256
330.722.3141

CABLE
CHARTER COMMUNICATIONS
5520 WHIPPLE AVENUE NW
NORTH CANTON, OH 44720
330.494.9200

CITY
CITY OF MEDINA
132 NORTH ELMWOOD STREET
MEDINA, OH 44256
330.722.9020

COMMUNICATION
AT&T TRANSMISSION
5980 WILCOX PLACE
DUBLIN, OH 43016
614.760.8320

COMMUNICATION
FRONTIER COM
83 TOWNSEND AVENUE
NORWALK, OH 44857
419.744.3613

COMMUNICATION
LEVEL 3 COMMUNICATIONS
106 SOUTH ARLINGTON STREET
AKRON, OH 44306
740.275.1133

COMMUNICATION
VERIZON BUSINESS
120 RAVINE STREET
AKRON, OH 44303
330.253.8267

COMMUNICATION
MEDINA COUNTY FIBER NETWORKS
144 NORTH BROADWAY ST
MEDINA, OHIO 44256
216.832.7059

COMMUNICATION
AT&T OHIO
130 N ERIE STREET
TOLEDO, OH 43604
419.245.7244

COMMUNICATION
EVERSTREAM SOLUTIONS
800 W ST CLAIR, 2ND FLOOR
CLEVELAND, OH 44113
216.581.7972

COMMUNICATION
WINDSTREAM
560 TERNES AVENUE
ELYRIA, OH 44035
440.329.4245

ELECTRIC
CLEVELAND ELECTRIC ILLUMINATING
COMPANY
6896 MILLER RD, SUITE 101
BRECKSVILLE, OH 44141
440.546.8748

ELECTRIC
OHIO EDISON
1717 ASHLAND ROAD
MANSFIELD, OH 44905
419.521.6214

GAS
COLUMBIA GAS OF OHIO
7080 FRY ROAD
MIDDLEBURG HEIGHTS, OH 44130
440.891.2428

GAS
DOMINION
320 SPRINGSIDE DRIVE, SUITE 320
AKRON, OH 44333
800.362.7557

GAS
ASPIRE ENERGY
300 TRACY BRIDGE ROAD
ORRVILLE, OH 44667
330.682.7726

GAS
MFC DRILLING COMPANY
46281 U.S. HIGHWAY 36
COSHOCOTON, OH 43812
740.622.5600

GAS
ENERGY TRANSFER
525 FRITZTOWN ROAD
SINKING SPRING, PA 19608
610.670.3279

TRAFFIC
ODOT DISTRICT THREE
906 CLARK AVENUE
ASHLAND, OH 44805
419.207.2868

WATER
CITY OF CLEVELAND DIVISION OF
WATER
1201 LAKESIDE AVE
CLEVELAND, OH 44114
~~216.664.2444~~

RIC-71

COMMUNICATION
BRIGHTSPEED
203 W. 9TH STREET
LORAIN, OH 44052
440.244.8330

CABLE
CHARTER COMMUNICATIONS
5520 WHIPPLE AVENUE NW
NORTH CANTON, OH 44720
330.494.9200

GAS
COLUMBIA GAS OF OHIO
1021 NORTH MAIN STREET
MANSFIELD, OH 44903
419.528.1134

GAS
TC ENERGY
P.O. BOX 85
LAKEVILLE, OH 44638
419.827.2620

GAS
MARATHON PIPELINE
539 SOUTH MAIN STREET
FINDLAY, OH 45840
419.884.0800

ELECTRIC
OHIO EDISON
1717 ASHLAND ROAD
MANSFIELD, OH 44905
419.521.6214

COUNTY
RICHLAND COUNTY SANITARY
ENGINEER
50 PARK AVENUE EAST
MANSFIELD, OH 44902
419.774.3548

TRAFFIC
ODOT DISTRICT THREE
906 CLARK AVENUE
ASHLAND, OH 44805
419.207.2868

CITY
CITY OF MANSFIELD
30 N DIAMOND STREET
MANSFIELD, OH 44902
419.755.9626

RIC-314

CABLE
CHARTER COMMUNICATIONS
5520 WHIPPLE AVENUE NW
NORTH CANTON, OH 44720
330.494.9200

CITY
CITY OF MANSFIELD
30 N DIAMOND STREET
MANSFIELD, OH 44902
419.755.9626

CITY
CITY OF MANSFIELD
30 N DIAMOND STREET
MANSFIELD, OH 44902
419.755.9626

COMMUNICATION
BRIGHTSPEED
203 W. 9TH STREET
LORAIN, OH 44052
440.244.8330

GAS
ENERGEX POWER
353 E LINCOLN HIGHWAY
COATESVILLE, PA 19320
724.622.0093

GAS
BUCKEYE OIL PIPELINE COMPANY
P.O. BOX 542
MANTUA, OH 44255
330.931.8309

GAS
KNOX ENERGY
11872 WORTHINGTON RD
PATASKALA, OH 43062
740.927.6731

GAS
NEXUS GAS TRANSMISSION
5400 WESTHEIMER COURT
HOUSTON, TX 77056
216.393.6370

GAS
T. DAVIS OIL & GAS
6630 E LINCOLN WAY
WOOSTER, OH 44691

TRAFFIC
ODOT OFFICE OF TRAFFIC OPERATIONS
1980 W BROAD STREET
COLUMBUS, OH 43223
614.644.0270

COMMUNICATION
FRONTIER COM
83 TOWNSEND AVENUE
NORWALK, OH 44857
419.744.3613

ELECTRIC
CONSOLIDATED ELECTRIC
COOPERATIVE
5255 STATE ROUTE 95, PO BOX 111
MOUNT GILEAD, OH 43338
419.949.2934

GAS
COLUMBIA GAS OF OHIO
1021 NORTH MAIN STREET
MANSFIELD, OH 44903
419.528.1134

WAY-226

CABLE
MASSILON CABLE TELEVISION
P.O. BOX 917
WOOSTER, OH 44691
330.345.5110

COUNTY
WAYNE COUNTY ENGINEER
3151 W OLD LINCOLN WAY
WOOSTER, OH 44691
330.287.5500

ELECTRIC
HOLMES-WAYNE ELECTRIC COOP
6060 S.R. 83 (P.O. BOX 112)
MILLERSBURG, OH 44654
330-674.1055

GAS
DERBY OPERATING CORPORATION
976 HEYL ROAD
WOOSTER, OH 44691
330.263.6736

GAS
DOMINION
320 SPRINGSIDE DRIVE, SUITE 320
AKRON, OH 44333
800.362.7557

GAS
KINDER MORGAN
605 WESTLAKE DRIVE
ASHLAND, OH 44805
714.560.4967

GAS
MARATHON PIPELINE
539 SOUTH MAIN STREET
FINDLAY, OH 45840
419.884.0800

GAS
ROVER PIPELINE
1300 MAIN STREET
HOUSTON, TX 77002
501.322.9622

VILLAGE
VILLAGE OF SHREVE
150 West McConkley Street, P.O. Box 604
SHREVE, OHIO 44676
330.567.2601

THE AFOREMENTIONED UTILITY COMPANIES AND AGENCIES HAVE VARIOUS FACILITIES IN THE AREA THAT WILL REMAIN IN PLACE DURING CONSTRUCTION.

EXTREME CAUTION SHOULD BE EXERCISED IN AREAS WITH UTILITIES. SECTIONS 105.07 AND 107.16 OF THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS REQUIRE, AMONG OTHER THINGS, THAT THE CONTRACTOR COOPERATE WITH ALL UTILITIES LOCATED WITHIN THE LIMITS OF THIS CONSTRUCTION PROJECT AND TAKE RESPONSIBILITY FOR THE PROTECTION OF THE UTILITY PROPERTY AND SERVICES.

COMMUNICATION
EVERSTREAM SOLUTIONS
800 W ST CLAIR, 2ND FLOOR
CLEVELAND, OH 44113
216.581.7972

ELECTRIC
OHIO EDISON
1717 ASHLAND ROAD
MANSFIELD, OH 44905
419.521.6214

GAS
NORTHEAST OHIO NATURAL GAS
5640 LANCASTER-NEWARK ROAD NE
PLEASANTVILLE, OH 43148
800.237.2099

COMMUNICATION
BRIGHTSPEED
203 W. 9TH STREET
LORAIN, OH 44052
440.244.8330

ELECTRIC
AEP OHIO
2552 QUAKER ROAD
BUCYRUS, OH 44820
419.563.1509

GAS
TC ENERGY
589 N STATE ROAD
MEDINA, OH 44256
330.721.4163

GAS
ENERGEX POWER
353 E LINCOLN HIGHWAY
COATESVILLE, PA 19320
724.622.0093

GAS
ASPIRE ENERGY
300 TRACY BRIDGE ROAD
ORRVILLE, OH 44667
330.682.7726

GAS
KENOIL, INC
1537 BLACHLEYVILLE ROAD
WOOSTER, OH 44691
330.262.1144

GAS
Pin Oak Energy Partners LLC
388 South Main Street, Suite 401
AKRON, OH 44311
888.748.0763

TRAFFIC
ODOT DISTRICT THREE
906 CLARK AVENUE
ASHLAND, OH 44805
419.207.2868

DESIGN AGENCY
DISTRICT 3



ENGINEERING
TEAM ONE

DESIGNER
CVH

REVIEWER
KRB 12/2023

PROJECT ID
108031

SHEET TOTAL
5 12

ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS (G118B)

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 17 FT ON IR 71 AND 15' ON ALL OTHER ROUTES. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND THE DISTRICT THREE FAA COORDINATOR, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA VIA THE FAA OBSTRUCTION EVALUATION GROUP'S ONLINE PROJECT FILING PROCESS. NOTIFY THE ODOT DISTRICT THREE FAA COORDINATOR WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER AND THE DISTRICT FAA COORDINATOR VIA EMAIL AT ethan.caudill@dot.ohio.gov

FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
OBSTRUCTION EVALUATION GROUP
10101 HILLWOOD PARKWAY
FORT WORTH, TX 76177
FAX: 817.222.5920
http://oeaaa.faa.gov

ODOT DISTRICT THREE
DISTRICT FAA COORDINATOR
906 CLARK AVENUE
ASHLAND, OHIO 44805
419.207.7175
ethan.caudill@dot.ohio.gov

ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)

THIS ITEM OF WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING PAVEMENT OR PAVED BERM WHICH MAY BE ASPHALT, BRICK, CONCRETE, OR A COMBINATION OF EACH, IN AREAS OF EXISTING PAVEMENT FAILURE.

PAVEMENT REPAIR SHALL BE PERFORMED AFTER PAVEMENT PLANING AND BEFORE PLACEMENT OF THE INTERMEDIATE AND/OR SURFACE COURSE. THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT WITH A MAXIMUM DEPTH OF 4". THE MINIMUM WIDTH OF REPAIR SHALL BE 4FT.

REPLACEMENT MATERIAL SHALL BE ITEM 301 ASPHALT CONCRETE BASE, OR ITEM 442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (449), AS PER PLAN⁴ MATERIAL AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE. ITEM 301 ASPHALT CONCRETE BASE CAN BE USED WHEN THE DEPTH OF REPAIR IS BETWEEN 3" AND 4" WITH A MAXIMUM PAVEMENT LIFT THICKNESS OF 4". ITEM 442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (449), AS PER PLAN⁴ CAN BE USED WHEN THE DEPTH OF REPAIR IS BETWEEN 1.5" AND 3".

FOR BID AND ESTIMATING PURPOSES, APPROXIMATELY 70%⁵ OF THE REPAIRS ARE TO BE CONSIDERED LONGITUDINAL REPAIRS AND 30%⁵ ARE TO BE CONSIDERED TRANSVERSE REPAIRS UNLESS OTHERWISE STATED. THIS APPROXIMATION IS SHOWN IN THE QUANTITIES BELOW.

LONGITUDINAL IS DEFINED AS ANY REPAIR THAT HAS A GREATER MEASUREMENT PARALLEL TO THE CENTERLINE THAN THE MEASUREMENT PERPENDICULAR TO THE CENTERLINE. TRANSVERSE IS DEFINED AS ANY REPAIR THAT HAS A GREATER MEASUREMENT PERPENDICULAR TO THE CENTERLINE THAN THE MEASUREMENT PARALLEL TO THE CENTERLINE.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES, ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR IS TO BE A MAXIMUM OF 4" DEEP. THE FOLLOWING ITEMS AND QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)

ASD 71 - 60 CY
CRA 96 - 50 CY
RIC 71 - 40 CY
RIC 314 - 10 CY
WAY 226 - 25 CY

ITEM 253 - PAVEMENT REPAIR

MED 71

THIS ITEM OF WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING PAVEMENT OR PAVED BERM WHICH IS ASPHALT IN AREAS OF EXISTING PAVEMENT FAILURE.

PAVEMENT REPAIR SHALL BE PERFORMED AFTER ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE (DEEP PLANING) (6") AND BEFORE PLACEMENT OF ITEM 301 ASPHALT CONCRETE BASE, PG64-22 (449) (6"). THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT WITH A MAXIMUM DEPTH OF 6" AND A MINIMUM WIDTH OF 4FT.

REPLACEMENT MATERIAL SHALL BE ITEM 301 ASPHALT CONCRETE BASE AND SHALL BE PLACED AND COMPACTED TO FINISH 6" BELOW ADJACENT PAVEMENT SURFACE. (ITEM 301 ASPHALT CONCRETE BASE CAN BE USED WHEN THE DEPTH OF REPAIR IS ABOVE 3" WITH A MAXIMUM PAVEMENT LIFT THICKNESS OF 6".

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES, ITEM 253 PAVEMENT REPAIR IS TO BE A MAXIMUM OF 6" DEEP. THE FOLLOWING ITEMS AND QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 253 - PAVEMENT REPAIR

ASD 71 - 30 CY
MED 71 - 200 CY
RIC 71 - 15 CY

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE

PLANING IS TO BE PERFORMED AS DIRECTED AND IN AREAS DESIGNATED BY THE ENGINEER. REMOVAL OF EXISTING PAVEMENT SURFACE MAY BE REQUIRED TO ELIMINATE ADVERSE SURFACE DISTORTION, WHICH IN THE JUDGEMENT OF THE ENGINEER, CANNOT BE SATISFACTORILY CORRECTED IN THE PAVING COURSES. THESE AREAS MAY VARY IN DEPTH, AS DIRECTED BY THE ENGINEER. THESE AREAS MAY INCLUDE MATERIAL DISPLACED BY RUTTING OR SHOVLING ASPHALT SURFACE PATCHES, CONCRETE PATCHES, TRANSVERSE BUMPS, JOINTS AT STRUCTURES, ADJOINING PAVEMENTS, RAILROADS, ETC.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE OFF THE PAVEMENT SURFACE AND TO ALL CATCH BASINS, INLETS, AND DITCHES.

THE PROGRESSION OF THE PLANING SHALL PROCEED IN SUCH A MANNER IN WHICH THE ROADWAY SHALL BE RESTORED, AT A MINIMUM, TO ITS ORIGINAL PROFILE AT THE END OF EACH WORK DAY. PLANED AREAS WHICH CREATE A LONGITUDINAL JOINT SHALL BE COMPLETED IN SUCH A MANNER SO AS TO REMOVE THE JOINT BEFORE THE END OF EACH DAY'S WORK.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (DEEP PLANING)

THE INTENT OF THE PLANING IS TO MILL 6.00 INCHES MAXIMUM DEPTH. THE PLANING OPERATION SHALL BE CONTINUOUS FROM THE EDGE OF THE BRIDGE DECK A DISTANCE OF 4 FEET (SEE TYPICAL SECTIONS FOR FURTHER DETAILS). THE MILLING DEPTH SHALL BE CONTROLLED FROM THE EXISTING PAVEMENT IN CONFORMANCE WITH ABOVE GUIDELINES. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE OFF THE PAVEMENT SURFACE AND TO ALL CATCH BASINS, INLETS, AND DITCHES.

THE PROGRESSION OF THE PLANING SHALL PROCEED IN SUCH A MANNER IN WHICH THE ROADWAY SHALL BE RESTORED BY THE END OF EACH WORK DAY TO ITS ORIGINAL PROFILE.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (449), AS PER PLAN

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERRECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

CARE SHALL BE TAKEN TO MATCH EXISTING PAVEMENT ELEVATIONS AT EXISTING PAVED BERMS, DRIVES, INTERSECTIONS, ETC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS.
CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.
MINIMUM TOTAL PG BINDER CONTENT IS 6.3 PERCENT.
MINIMUM VIRGIN PG BINDER CONTENT IS 5.2 PERCENT.
USE A PG 64-22 BINDER.

WHEN AN AGGREGATE SOURCE IS SPECIALLY DESIGNATED WITH AN SR ON THE AGGREGATE GRAVITY LIST DO NOT USE THE AGGREGATE EXCEPT AS ALLOWED FOR MEDIUM TRAFFIC IN THE GUIDELINES FOR MAINTAINING ADEQUATE PAVEMENT FRICTION IN SURFACE PAVEMENT.

ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449), AS PER PLAN

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERRECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS.
CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.
MINIMUM TOTAL PG BINDER CONTENT IS 5.6 PERCENT.
MINIMUM VIRGIN PG BINDER CONTENT IS 3.8 PERCENT.
PER SPECIFICATIONS, USE A PG 64-22 BINDER WHEN 25% AND LESS RAP IS USED.
USE A PG 58-28 BINDER WHEN MORE THAN 25% RAP IS USED.

APPLY 703.05 FOR COARSE AND FINE AGGREGATE EXCEPT GRADATION FOR FINE AGGREGATE DOES NOT APPLY.

ITEM 897 - PAVEMENT PLANING, ASPHALT CONCRETE, CLASS B (VARIES 0.00"-0.50")

THE INTENT OF THE PLANING IS TO SMOOTH THE COMPLETED ASPHALT REPAIRS. PLANING IS TO BE PERFORMED WITHIN 14 DAYS AFTER COMPLETION OF THE PAVEMENT REPAIR. THESE AREAS MAY VARY IN DEPTH, AS DIRECTED BY THE ENGINEER

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE ABOVE WORK. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SY OF ITEM 897 - PAVEMENT PLANING, ASPHALT CONCRETE, CLASS B.



ITEM 614 – MAINTAINING TRAFFIC (GENERAL)

TWO-LANE ROUTES: MAINTAIN ONE 10' LANE OF BIDIRECTIONAL TRAFFIC CONTROLLED BY FLAGGERS AT ALL TIMES.

FOUR-LANE ROUTES: MAINTAIN A MINIMUM OF ONE 11' LANE OF TRAFFIC IN EACH DIRECTION, CONTROLLED BY SHOULDER AND LANE CLOSURES OR LANE SHIFTS AT ALL TIMES IN ACCORDANCE WITH THE PLCS DETAILED ELSEWHERE IN THESE PLANS

SUBMIT, IN WRITING, A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT. PRIOR TO BEGINNING WORK, COORDINATE THE MAINTENANCE OF TRAFFIC OPERATIONS WITH THE LOCAL STATE HIGHWAY PATROL.

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 CURRENT EDITION WITH THE LATEST REVISIONS. 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. ANY WORK ZONE SIGNS NEEDED SHALL BE CONSIDERED INCIDENTAL TO ITEM 614, MAINTAINING TRAFFIC AND SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER.

BUTT JOINTS

DO NOT CUT BUTT JOINTS AND ALLOW THEM TO BE LEFT OPEN TO TRAFFIC. FILL THE BUTT JOINTS WITH A TEMPORARY ASPHALT CONCRETE WEDGE USING ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC IN ACCORDANCE WITH THE TAPER RATES SET FORTH IN SCD BP-3.1.

ERECT AND MAINTAIN CONSTRUCTION "BUMP" (W8-1-36) AND "ADVISORY SPEED" (W13-1-24) SIGNS DURING THE PERIOD THE BUTT JOINT IS LEFT OPEN. PAYMENT FOR THESE SIGNS WILL BE MADE UNDER THE LUMP SUM BID PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

ITEM 614 – MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

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

NEW YEAR'S (OBSERVED)	GENERAL ELECTION DAY (NOVEMBER)
TOTAL SOLAR ECLIPSE (4/8/2024)	THANKSGIVING
MEMORIAL DAY	CHRISTMAS (OBSERVED)
FOURTH OF JULY (OBSERVED)	
LABOR DAY	

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

DAY OF HOLIDAY OR 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
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THANKSGIVING	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 PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

NEWLY CONSTRUCTED LANE ADDITIONS, ONCE COMPLETED AND INITIALLY OPENED TO TRAFFIC, SHALL BE OPEN TO TRAFFIC DURING ALL SUBSEQUENT DESIGNATED HOLIDAYS AND SPECIAL EVENTS, AND RELATED PERIODS OF TIME, SPECIFIED ABOVE.

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

ITEM 614 – MAINTAINING TRAFFIC (LANE CLOSURE/REDUCTION REQUIRED)

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 ZONES ON IR 71 SHALL BE REMOVED AT THE END OF EACH WORK DAY.

PLACEMENT OF ASPHALT CONCRETE

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

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.

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS ARE SHOWN ON SHEET(S) OF THE PLAN. 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
18 SIGN MONTH
ASSUMING 6 PCMS SIGN(S) FOR 3 MONTH(S)

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 WILL NOT BE PERMITTED AT PROJECT COST. 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).

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

IN ADDITION TO THE REQUIREMENT 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) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

FOR OPERATIONS WITHOUT POSITIVE PROTECTION OCCURRING WITHIN 10 FEET OF AN OPEN TRAVELED LANE THAT MEET ALL OF THE FOLLOWING CRITERIA:

ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND

AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,

AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

"WITHOUT POSITIVE PROTECTION" MEANS USE OF DRUMS, CONES, SHADOW VEHICLE, ETC, WITHOUT PROTECTION FROM PORTABLE BARRIER OR OTHER RIGID BARRIER ALONG THE WORK AREA. THIS PHRASE DOES NOT APPLY TO CASES WHERE POSITIVE PROTECTION IS REQUIRED. MOBILE OPERATIONS ARE REGARDED AS "WITHOUT POSITIVE PROTECTION". FOR WORK ZONES USING A COMBINATION OF BARRIER AND TEMPORARY TRAFFIC CONTROL DEVICES (CONES, DRUMS, ETC), THE DESIGNATION SHALL BE BASED UPON THE TYPE OF DEVICES USED IN THE AREA THAT WORKERS ARE LOCATED.

IF MULTIPLE ACTIVE LOCALIZED QUALIFYING WORK AREAS OCCUR WITHOUT POSITIVE PROTECTION, PER MAINLINE TRAFFIC DIRECTION, PROVIDE A UNIFORMED LEO AND OFFICIAL PATROL CAR IN ADVANCE OF:

THE FIRST ACTIVE WORK AREA THAT DRIVERS WILL ENCOUNTER; OR

THE ACTIVE WORK AREA LATERALLY CLOSEST TO THE OPEN TRAVELED LANE; OR

OTHER LOCATION AS APPROVED BY THE ENGINEER.

THE UNIFORMED LEO AND OFFICIAL PATROL CAR MAY RELOCATE AMONG THE LISTED LOCATIONS AS APPROPRIATE AS THE OPERATIONS PROCEED IN THE LOCALIZED QUALIFYING WORK AREAS.

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 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 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
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 AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

DESIGN AGENCY	DISTRICT 3
ENGINEERING TEAM ONE	
DESIGNER	CVH
REVIEWER	KRB 12/2023
PROJECT ID	108031
SHEET	TOTAL
7	12

PERMITTED LANE CLOSURE SCHEDULE (PLCS)

LANE CLOSURE(S) SHALL CONFORM TO THE PLCS.
[HTTPS://ODOT.MS2SOFT.COM/TDMS.UI/PLCS/ADMINSCHEMULES?LOC=ODOT](https://odot.ms2soft.com/TDMS.UI/PLCS/ADMINSCHEMULES?LOC=ODOT)

THE MONTHLY PUBLISHED SCHEDULES REQUIRED TO BE USED, FOR EACH PLCS SEGMENT WITHIN THE PROJECT AREA, ARE THOSE THAT COMPRISE THE CONSECUTIVE 12-MONTH PERIOD BEGINNING 15 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE AND ENDING 4 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE. THESE SAME 12 MONTHS APPLY FOR THE LIFE OF THE PROJECT AND SHALL BE APPLIED TO EACH RESPECTIVE MONTH OF CONSTRUCTION (MONTH OF LANE CLOSURE(S) SHALL MATCH MONTH OF PLCS USED). LANE CLOSURE(S) IN PLACE FOR MULTIPLE MONTHS SHALL ALWAYS COMPLY WITH THE CURRENT RESPECTIVE MONTH.

(FOR EXAMPLE: IF THE SALE DATE FOR THE PROJECT WAS MARCH OF 2021, THE MONTHLY PUBLISHED SCHEDULES FOR EACH APPLICABLE PLCS SEGMENT WOULD BE DECEMBER 2019 TO NOVEMBER 2020. IF THIS WAS A THREE-YEAR PROJECT, YEAR THREE WOULD STILL BE USING THE DECEMBER 2019 TO NOVEMBER 2020 MONTHLY SCHEDULES. IF THE PROJECT DESIRED TO CLOSE TWO LANES IN JUNE 2021, REFERENCE WOULD BE MADE TO THE JUNE 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S). IF THE SAME TWO LANES WERE DESIRED TO BE CLOSED AGAIN IN JULY 2021, REFERENCE WOULD BE MADE TO THE JULY 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S).)

MORE RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE AT THE DISCRETION OF THE ENGINEER IN ORDER TO COMPLY WITH THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

LESS RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE SUBJECT TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)) AND SHALL NOT BE IMPLEMENTED UNTIL, AND UNLESS, APPROVED BY THE PROPER ODOT AUTHORITY. [EXISTING MOT EXCEPTIONS THAT HAVE ALREADY BEEN APPROVED IN ACCORDANCE TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY AND STANDARD PROCEDURE ARE DETAILED IN THE APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION(S) PLAN NOTE.]

ALLOWABLE LANE CLOSURE HOURS FOR FACILITIES NOT COVERED BY THE PLCS, IF ANY, SHALL BE AS SPECIFIED ELSEWHERE IN THE PLANS.

**FLOODLIGHTING
(TEM 642-29)**

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

DESIGN AGENCY
DISTRICT 3



ENGINEERING
TEAM ONE

DESIGNER
CVH

REVIEWER
KRB 12/2023

PROJECT ID
108031

SHEET TOTAL
8 12

COUNTY	ROUTE	LOG POINT TO LOG POINT		LENGTH		WIDTH FEET AVG.	TYPICAL	PAVEMENT AREA SQ YD	254	407	407	442		442	897	COUNTY	ROUTE	LOG POINT TO LOG POINT		LENGTH		WIDTH FEET AVG.	TYPICAL	PAVEMENT AREA SQ YD	254	407	407	442		442	897		
				PAVEMENT PLANING, ASPHALT CONCRETE (4.00")	TACK COAT @ 0.09 GAL/SY				TACK COAT FOR INTERM. COURSE @ 0.05 GAL/SY	ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (449), AS PER PLAN	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449), AS PER PLAN	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS B (VARIES 0.00"-0.50")	PAVEMENT PLANING, ASPHALT CONCRETE (4.00")	TACK COAT @ 0.09 GAL/SY	TACK COAT FOR INTERM. COURSE @ 0.05 GAL/SY					ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (449), AS PER PLAN	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449), AS PER PLAN				PAVEMENT PLANING, ASPHALT CONCRETE, CLASS B (VARIES 0.00"-0.50")								
		STRAIGHT LINE MILEAGE	MILE	FEET	SQ.YD	GALLON	GALLON	INCH	CU.YD.	INCH	CU.YD.	SY	STRAIGHT LINE MILEAGE	MILE	FEET			SQ.YD	GALLON	GALLON	INCH	CU.YD.	INCH	CU.YD.	SY								
CRA	96 EB	3.85	3.86	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29	CRA	96 WB	4.33	4.35	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59
		3.92	3.93	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			4.40	4.42	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59
		3.99	4.00	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			4.55	4.56	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		4.44	4.45	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			4.85	4.86	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		4.47	4.49	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59			5.02	5.04	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59
		4.53	4.55	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59			5.09	5.10	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		4.59	4.60	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			5.27	5.29	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59
		4.73	4.74	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			5.54	5.55	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		4.81	4.82	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			5.93	5.94	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		4.90	4.92	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59			6.68	6.69	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		4.95	4.96	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			6.78	6.79	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		5.00	5.01	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			6.88	6.89	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		5.02	5.04	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59			6.95	6.96	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		5.10	5.19	0.09	475	5.0	1	264	264	24	13	1.5	11	2.5	18	264			6.97	6.98	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		5.45	5.49	0.04	211	5.0	1	117	117	11	6	1.5	5	2.5	8	117			8.38	8.39	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		5.59	5.62	0.03	158	5.0	1	88	88	8	4	1.5	4	2.5	6	88			8.54	8.58	0.04	211	5.0	1	117	117	11	6	1.5	5	2.5	8	117
		5.64	5.67	0.03	158	5.0	1	88	88	8	4	1.5	4	2.5	6	88			8.68	8.69	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		5.77	5.82	0.05	264	5.0	1	147	147	13	7	1.5	6	2.5	10	147			9.09	9.10	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		5.86	5.92	0.06	317	5.0	1	176	176	16	9	1.5	7	2.5	12	176			9.20	9.22	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59
		5.98	6.05	0.07	370	5.0	1	206	206	19	10	1.5	9	2.5	14	206			9.52	9.54	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59
		6.17	6.18	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			9.57	9.59	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59
		6.22	6.25	0.03	158	5.0	1	88	88	8	4	1.5	4	2.5	6	88			9.62	9.74	0.12	634	5.0	1	352	352	32	18	1.5	15	2.5	24	352
		6.29	6.34	0.05	264	5.0	1	147	147	13	7	1.5	6	2.5	10	147			9.92	9.93	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		6.38	6.40	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59			10.01	10.07	0.06	317	5.0	1	176	176	16	9	1.5	7	2.5	12	176
		6.47	6.52	0.05	264	5.0	1	147	147	13	7	1.5	6	2.5	10	147			10.13	10.23	0.10	528	5.0	1	293	293	26	15	1.5	12	2.5	20	293
		6.56	6.57	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			10.36	10.43	0.07	370	5.0	1	206	206	19	10	1.5	9	2.5	14	206
		6.58	6.59	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			10.45	10.48	0.03	158	5.0	1	88	88	8	4	1.5	4	2.5	6	88
		6.60	6.61	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			10.54	10.55	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		10.38	10.47	0.09	475	5.0	1	264	264	24	13	1.5	11	2.5	18	264			10.61	10.65	0.04	211	5.0	1	117	117	11	6	1.5	5	2.5	8	117
		10.50	10.54	0.04	211	5.0	1	117	117	11	6	1.5	5	2.5	8	117			10.70	10.71	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		10.57	10.59	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59			10.77	10.78	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		10.61	10.70	0.09	475	5.0	1	264	264	24	13	1.5	11	2.5	18	264			10.81	10.85	0.04	211	5.0	1	117	117	11	6	1.5	5	2.5	8	117
		10.77	10.84	0.07	370	5.0	1	206	206	19	10	1.5	9	2.5	14	206			11.25	11.26	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		10.97	10.98	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			11.27	11.28	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		11.01	11.02	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29									2,430	226	114		95		166	2,430	
		11.20	11.22	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59																	
		11.26	11.27	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29	RIC	314 SB	0.53	0.54	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		11.29	11.30	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29			0.55	0.56	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		11.32	11.35	0.03	158	5.0	1	88	88	8	4	1.5	4	2.5	6	88			0.84	0.85	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
		11.36	11.42	0.06	317	5.0	1	176	176	16	9	1.5	7	2.5	12	176			1.15	1.16	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29
																			1.25	1.26	0.01	53	5.0	1	29	29	3	1	1.				

COUNTY	ROUTE	LOG POINT TO LOG POINT		LENGTH		WIDTH FEET AVG.	TYPICAL	PAVEMENT AREA SY	254	407	407	442		442	897	COUNTY	ROUTE	LOG POINT TO LOG POINT		LENGTH		WIDTH FEET AVG.	TYPICAL	PAVEMENT AREA SY	254	254	254	254	407	301	442		442	897						
		PAVEMENT PLANING, ASPHALT CONCRETE (4.00")	TACK COAT @ 0.09 GAL/SY	TACK COAT FOR INTERM COURSE @ 0.05 GAL/SY	ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (449), AS PER PLAN				ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449), AS PER PLAN	PAVEMENT PLANING, ASPHALT CONCRETE CLASS B (VARIES 0.00"-0.50")	PAVEMENT PLANING, ASPHALT CONCRETE (1.50")	PATCHING PLANNED SURFACE	PAVEMENT PLANING, ASPHALT CONCRETE (DEEP PLANING) (6.00")	PAVEMENT PLANING, ASPHALT CONCRETE (2.00")	TACK COAT @ 0.09 GAL/SY			ASPHALT CONCRETE BASE, PG64-22, (449)	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449)	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS B (VARIES 0.00"-0.50")																			
		STRAIGHT LINE MILEAGE		MILE	FEET			SY	SY	GAL	GAL	INCH	CY	INCH	CY	STRAIGHT LINE MILEAGE		MILE	FEET			SY	SY	SY	SY	GAL	INCH	CY	INCH	CY	INCH	CY	SY							
WAY	226 NB	3.06	3.07	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29	ASD	71 NB	4.25	7.30	3.05	16104	12.0	3	21,472	21,472	215					1,932			1.5	895	21,472			
		3.15	3.16	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29	RIGHT LANE ONLY																							
		3.21	3.23	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59																								
		3.30	3.32	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59	RIC	71 NB	10.75	12.25	1.50	7920	12.0	3	10,560	10,560	106					950			1.5	440	10,560			
		3.35	3.36	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29	RIGHT LANE ONLY																							
		3.54	3.55	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		3.71	3.72	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		3.88	3.89	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29	MED	71	14.50 R			8	60.0	2	53			53		5	6	9								
		3.96	3.97	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29	BOTH APPROACHES					50	60.0	2	333			333		30			2	19			333			
		4.04	4.05	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		4.20	4.21	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29						8	60.0	2	53			53		5	6	9								
		4.28	4.29	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29						50	60.0	2	333			333		30			2	19			333			
		4.37	4.38	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		4.41	4.43	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59																								
		4.44	4.45	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		4.95	4.96	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		5.00	5.01	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		5.12	5.13	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		5.19	5.20	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		5.25	5.26	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		5.44	5.45	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		5.46	5.48	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59																								
		5.57	5.58	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		5.71	5.72	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		6.10	6.12	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59																								
		6.18	6.20	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59																								
		6.23	6.24	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		6.45	6.51	0.06	317	5.0	1	176	176	16	9	1.5	7	2.5	12	176																								
		6.92	6.93	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		6.95	6.96	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		7.48	7.49	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		7.76	7.77	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		7.87	7.88	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		8.28	8.29	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		8.53	8.54	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		8.59	8.62	0.03	158	5.0	1	88	88	8	4	1.5	4	2.5	6	88																								
		8.92	8.93	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
									1,459	141	60		52		100	1,459																								
WAY	226 SB	2.99	3.01	0.02	106	5.0	1	59	59	5	3	1.5	2	2.5	4	59																								
		3.30	3.31	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		3.46	3.47	0.01	53	5.0	1	29	29	3	1	1.5	1	2.5	2	29																								
		3.52	3.56	0.04	211	5.0	1	117	117	11	6	1.5	5	2.5	8	117																								
		4.03	4.08	0.05	264	5.0	1	147	147	13	7	1.5	6	2.5	10	147																								
		4.51	4.52	0.01	53																																			

AUXILIARY & LONG LINE MARKINGS

COUNTY	ROUTE	STATION / SLM		HIGHWAY MILES	614		642, TYPE 1					644							
					WORK ZONE LANE LINE, CLASS 1, 642 PAINT	WORK ZONE EDGE LINE, CLASS 1, 642 PAINT	EDGE LINE		LANE LINE	CHANNELIZING LINE	STOP LINE	EDGE LINE		LANE LINE					
							TOTAL (PAY QUANTITY) (WHITE)	TOTAL (PAY QUANTITY) (YELLOW)				TOTAL (PAY QUANTITY) (WHITE)	TOTAL (PAY QUANTITY) (YELLOW)						
					6"	6"	6"	8"	24"	6"	6"	8"							
FROM	TO	MILE	MILE	MILE	MILE	MILE	FT	FT	MILE	MILE	MILE								
ASD	71	4.25	7.30	3.05	3.05	3.05								3.05		3.05			
CRA	96	3.66	11.42	2.02			2.02												
MED	71	7.94	26.69	0.09			0.20	0.2	0.4	100									
RIC	71	10.75	12.25	1.50	1.50	1.50								1.50		1.50			
RIC	314	0.00	3.02	0.30			0.60												
WAY	226	2.99	9.31	0.88			1.80												
TOTALS TO GENERAL SUMMARY					4.55	4.55	4.62	0.20	0.40	100	48			4.55		4.55			

RAISED PAVEMENT MARKERS

COUNTY	ROUTE	STATION/SLM		DETAIL	621	621	PRISMATIC RETRO-REFLECTOR TYPES				REMARKS	DETAIL	DESCRIPTION	
					RAISED PAVEMENT MARKER REMOVED	RPM	ONE-WAY	TWO-WAY				REMARKS	DETAIL	DESCRIPTION
								WHITE	YELLOW / YELLOW	WHITE / RED				
					FROM	TO	EACH	EACH	EACH					
ASD	71	4.25	7.30	5	135	135	135						10	MULTILANE DIVIDED
MED	71	14.50	24.02	5	30	30	30						11	3 LANE UNDIVIDED TO 2 LANE TRANSITION
RIC	71	10.75	12.25	5	67	67	67						12	TWO LANE NARROW BRIDGE
													13	TWO WAY LEFT TURN LANE
													14	ONE LANE BRIDGE
													15	HORIZONTAL CURVE
													16	HORIZONTAL CURVE ALT.
													17	STOP APPROACH ALT.
													18	FIRE HYDRANT
													GAP	CENTER LINE AT 80 FT. TYP.
														NOTES
TOTALS TO GENERAL SUMMARY					232	232								

PAVEMENT MARKING DATA

D03-RM-FY2024

MODEL: Sheet; Path: F:\PAPER\SIZE: 11x17 (in.); DATE: 7/20/24; TIME: 3:41:39 PM; USER: cvh; Project: D031080311400-Engineering\Roadway\Sheets\108031_1\108031.dgn

DESIGN AGENCY	DISTRICT 3
ENGINEERING TEAM ONE	
DESIGNER	CVH
REVIEWER	KR
PROJECT ID	108031
SHEET TOTAL	12 12