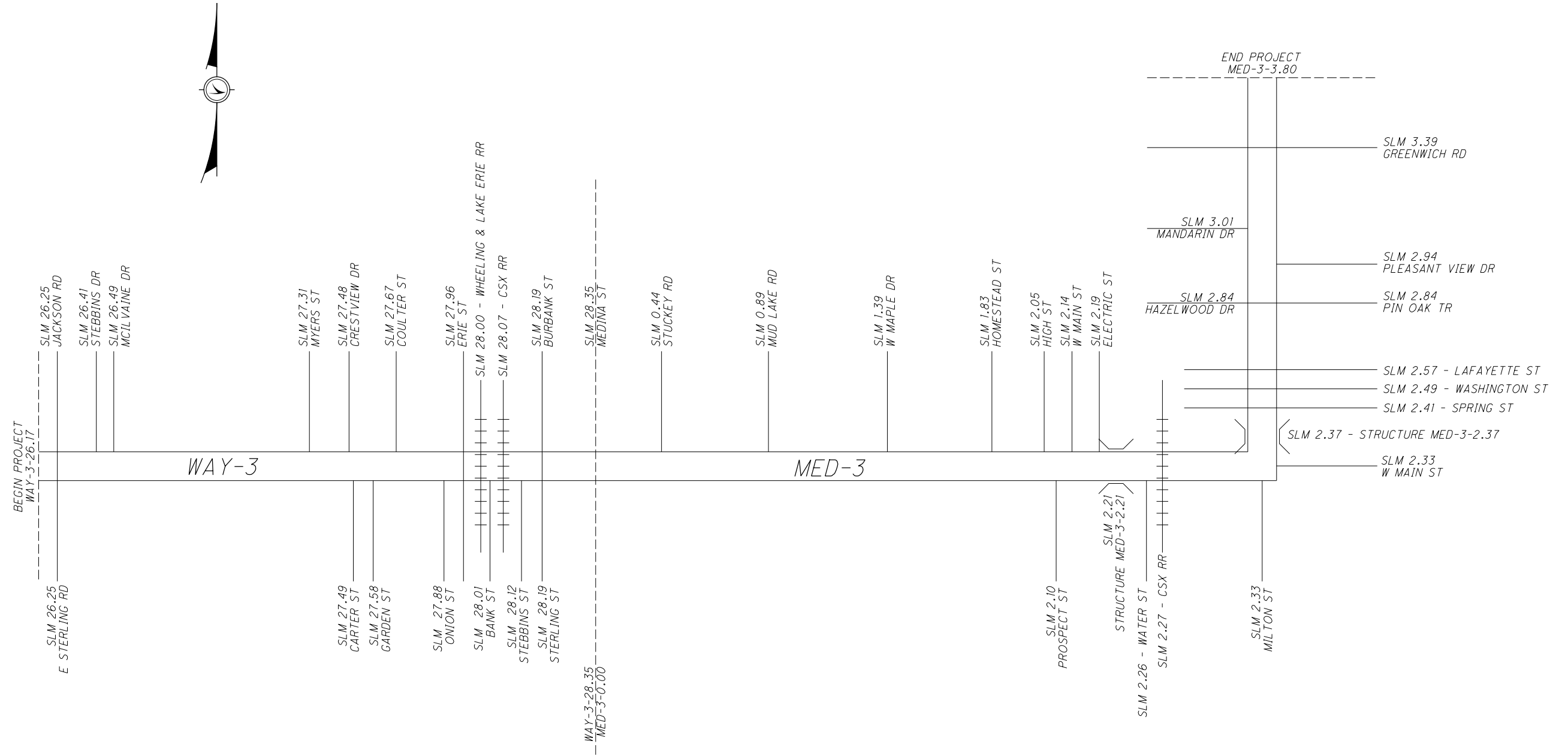
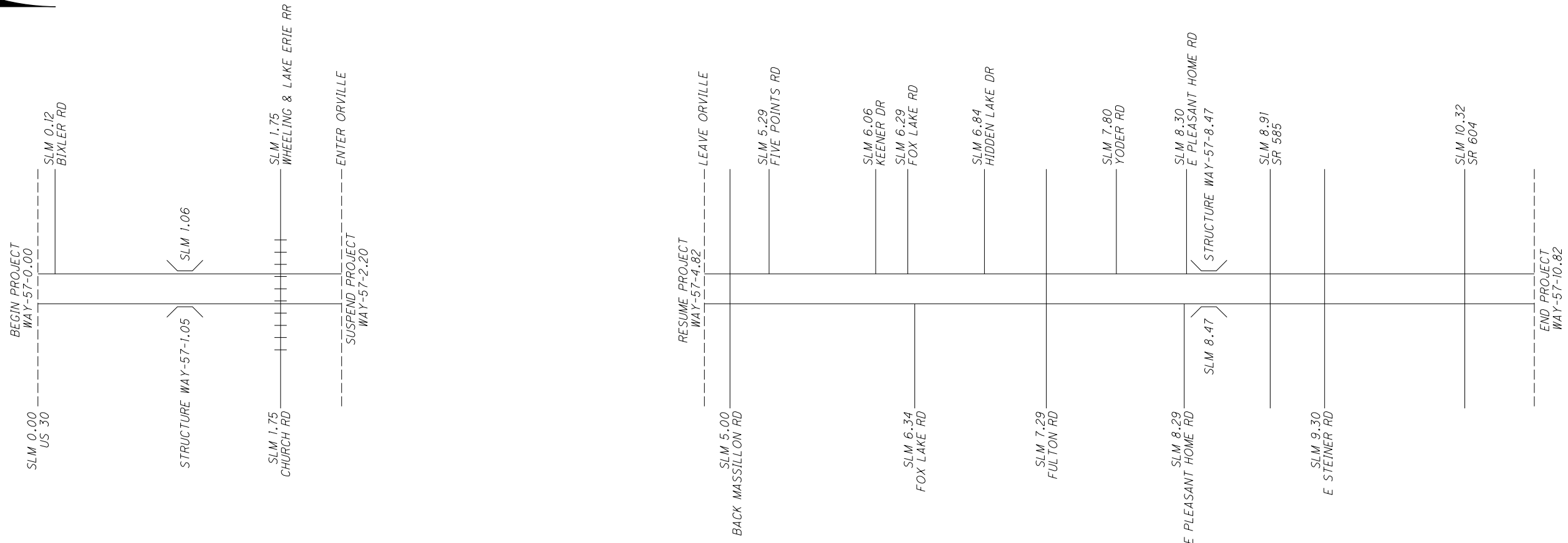
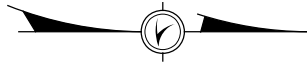




DESIGN DESIGNATION	WAY - 3 - 26.17 - 28.35	MED - 3 - 0.00 - 3.39	MED - 3 - 3.39 - 3.80
CURRENT YEAR ADT (2019)	6,100	6,000	9,600
DESIGN YEAR ADT (2027)	6,700	6,000	9,900
DESIGN HOURLY VOLUME (2027)	600	600	1,000
DIRECTIONAL DISTRIBUTION	53%	58%	55%
TRUCKS (24 HOUR B&C)	6%	9%	16%
NHS PROJECT	NO	NO	NO
DESIGN FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL	MINOR ARTERIAL	MINOR ARTERIAL

SPEED LIMITS			
ROUTE AND LOCATION	MPH		
MED - 3 - 0.00 - 0.35	50		
MED - 3 - 0.35 - 1.82	55		
MED - 3 - 1.82 - 2.21	35		
MED - 3 - 2.21 - 2.45	25		
MED - 3 - 2.45 - 3.45	35		
MED - 3 - 3.45 - 3.80	45		
WAY - 3 - 26.17 - 27.14	50		
WAY - 3 - 27.14 - 27.83	35		
WAY - 3 - 27.83 - 28.04	25		
WAY - 3 - 28.04 - 28.35	35		

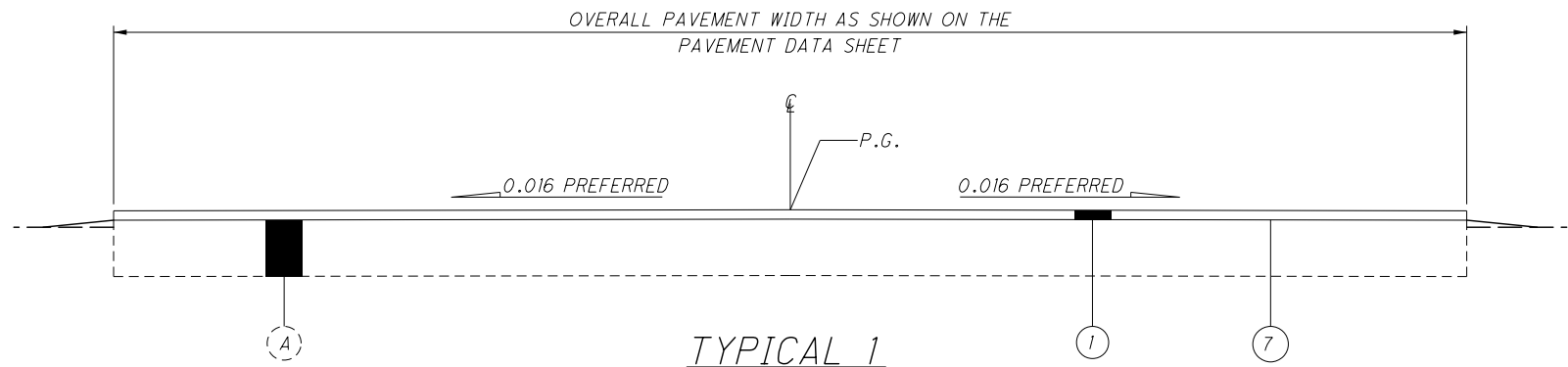




SPEED LIMITS

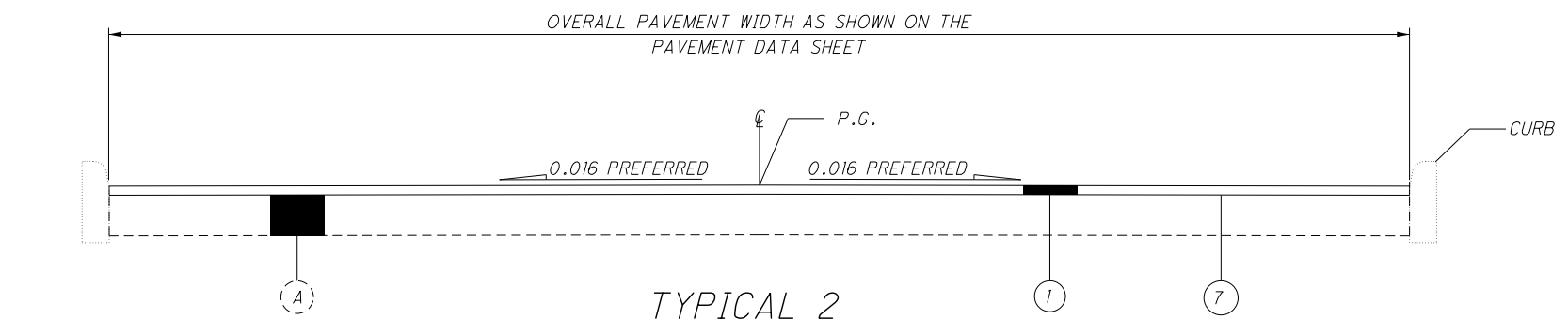
ROUTE AND LOCATION	MPH
WAY - 57 - 0.00 - 2.20	55
WAY - 57 - 4.82 - 5.00	45
WAY - 57 - 5.00 - 10.82	55

DESIGN DESIGNATION	WAY - 57 - 0.00 - 1.25	WAY - 57 - 1.25 - 2.20	WAY - 57 - 4.82 - 5.00	WAY - 57 - 5.00 - 10.66	WAY - 57 - 10.66 - 10.82
CURRENT YEAR ADT (2019)	7,700	7,700	8,300	8,300	8,300
DESIGN YEAR ADT (2027)	7,700	7,700	9,100	9,100	9,100
DESIGN HOURLY VOLUME (2027)	700	700	900	900	900
DIRECTIONAL DISTRIBUTION	56%	56%	52%	52%	52%
TRUCKS (24 HOUR B&C)	14%	14%	9%	9%	9%
NHS PROJECT	NO	YES	YES	NO	YES
DESIGN FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL	MINOR ARTERIAL	MINOR ARTERIAL	MINOR ARTERIAL	MINOR ARTERIAL



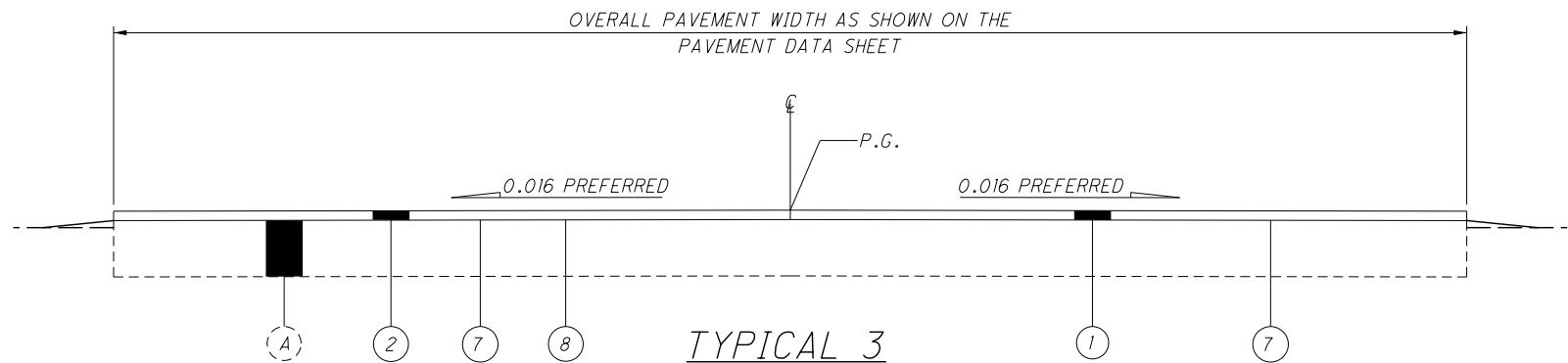
**TYPICAL 1**

MED-3-0.00 TO 1.80  
 MED-3-2.64 TO 3.80  
 WAY-57-0.00 TO 2.13  
 WAY-57-4.82 TO 10.82



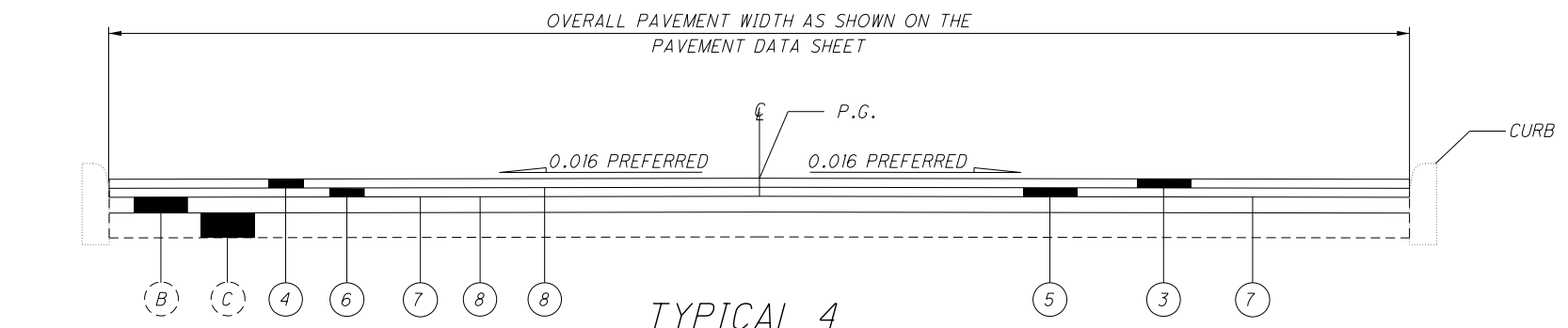
**TYPICAL 2**

MED-3-1.80 TO 2.64  
 WAY-57-2.13 TO 2.20



**TYPICAL 3**

WAY-3-26.17-27.25



**TYPICAL 4**

WAY-3-27.25 TO 28.35

EXISTING LEGEND

- (A) VARIABLE DEPTH ASPHALT CONCRETE
- (B) 2"± ASPHALT CONCRETE
- (C) 4"± BRICK

PROPOSED LEGEND

- (1) ITEM 421 - MICROSURFACING, SURFACE COURSE (APPLIED AT 24 LB/SY)
- (2) ITEM 421 - MICROSURFACING, SURFACE COURSE, AS PER PLAN (APPLIED AT 24 LB/SY) (SOUTHBOUND LANE)
- (3) ITEM 421 - MICROSURFACING, SURFACE COURSE (APPLIED AT 16 LB/SY)
- (4) ITEM 421 - MICROSURFACING, SURFACE COURSE, AS PER PLAN (APPLIED AT 16 LB/SY) (SOUTHBOUND LANE)
- (5) ITEM 421 - MICROSURFACING, LEVELING COURSE (APPLIED AT 14 LB/SY)
- (6) ITEM 421 - MICROSURFACING, LEVELING COURSE, AS PER PLAN (APPLIED AT 14 LB/SY) (SOUTHBOUND LANE)
- (7) ITEM 423 - CRACK SEALING, MISC.: TYPE II OR TYPE III (INCIDENTAL TO ITEM 421)
- (8) ITEM SPECIAL - MISC.: TACK COAT MATERIAL FOR RESEARCH SECTIONS (SOUTHBOUND LANE)

I:\ProjectData\01436\Design\Roadway\Sheets\01436\_GY001.dgn

**UTILITIES**

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

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

**MED-3**

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

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

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

ELECTRIC  
OHIO EDISON  
1717 ASHLAND ROAD  
MANSFIELD, OH 44905  
419.521.6213

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

GAS  
TRANSCANADA  
589 N STATE ROAD  
MEDINA, OH 44256  
330.721.4163

VILLAGE  
VILLAGE OF CRESTON  
100 NORTH MAIN STREET  
CRESTON, OH 44217  
330.435.4529

**WAY-3**

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

COMMUNICATION  
VERIZON BUSINESS  
120 RAVINE STREET  
AKRON, OH 44303  
330.253.8267

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

GAS  
TRANSCANADA  
589 N STATE ROAD  
MEDINA, OH 44256  
330.721.4163

VILLAGE  
VILLAGE OF CRESTON  
100 NORTH MAIN STREET  
CRESTON, OH 44217  
330.435.4529

CITY  
VILLAGE OF SEVILLE  
120 ROYAL CREST DRIVE  
SEVILLE, OH 44273  
330.769.3510

COMMUNICATION  
FRONTIER COM  
83 TOWNSEND AVENUE  
NORWALK, OH 44857  
419.744.3613

COMMUNICATION  
VERIZON BUSINESS  
120 RAVINE STREET  
AKRON, OH 44303  
330.253.8267

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

GAS  
KNOX ENERGY  
11872 WORTHINGTON RD  
PATASKALA, OH 43062  
740.927.6731

TRAFFIC  
ODOT DISTRICT THREE  
906 CLARK AVENUE  
ASHLAND, OH 44805  
419.207.7045

COMMUNICATION  
FRONTIER COM  
83 TOWNSEND AVENUE  
NORWALK, OH 44857  
419.744.3613

ELECTRIC  
OHIO EDISON  
1717 ASHLAND ROAD  
MANSFIELD, OH 44905  
419.521.6213

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

TRAFFIC  
ODOT DISTRICT THREE  
906 CLARK AVENUE  
ASHLAND, OH 44805  
419.207.7045

**WAY-57**

CABLE  
ARMSTRONG UTILITIES  
1141 LAFAYETTE ROAD  
MEDINA, OHIO 44256  
330.722.3141

CITY  
CITY OF ORRVILLE UTILITIES  
207 NORTH MAIN STREET  
ORRVILLE, OH 44667  
330.684.5000

COMMUNICATION  
CENTURYLINK  
175 ASHLAND ROAD, P.O. BOX 3555  
MANSFIELD, OH 44907  
419.755.7956

ELECTRIC  
AEP OHIO  
500 MAPLE STREET  
WOOSTER, OH 44691  
330.202.3047

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

GAS  
ENERVEST  
1748 SALTWELL RD  
DOVER, OH 44622  
330.602.5551

GAS  
SPELMAN PIPELINE  
9081 STATE ROUTE 250  
STRASBURG, OH 44680  
800.848.5589

TRAFFIC  
ODOT DISTRICT THREE  
906 CLARK AVENUE  
ASHLAND, OH 44805  
419.207.7045

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 MATERIALS 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.

**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.

**EXISTING PLANS**

EXISTING PLANS ENTITLED WAY-3-26.12 (2013) AND WAY-57-0.03 (2012) MAY BE INSPECTED IN THE ODOT DISTRICT 3 OFFICE IN ASHLAND.

**WORK LIMITS**

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

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

CITY  
CITY OF RITTMAN  
30 NORTH MAIN STREET  
RITTMAN, OH 44270  
330.925.2045

COMMUNICATION  
DOYLESTOWN TELEPHONE COMPANY  
28 EAST MARION STREET  
DOYLESTOWN, OH 44230  
330.658.6666

ELECTRIC  
OHIO EDISON  
1717 ASHLAND ROAD  
MANSFIELD, OH 44905  
419.521.6213

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

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

TOWNSHIP  
EAST UNION TOWNSHIP  
4337 S KANSAS ROAD  
APPLE CREEK, OH 44606  
330.698.0103

**CONSTRUCTION NOTIFICATION**

THE CONTRACTOR SHALL ADVISE THE PROJECT ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICE (PIO) BY EMAIL AT D03.PIO@DOT.OHIO.GOV

DISTRICT PERMIT SECTION BY FAX AT (614) 887-4318 OR EMAIL AT LOUIS.TUMBLIN@DOT.OHIO.GOV

CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

**PROFILE AND ALIGNMENT**

PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. (PREVIOUS CONSTRUCTION PLANS SHOWING THE ORIGINAL ALIGNMENT AND PROFILE, ARE AVAILABLE FOR INSPECTION AT THE ODOT DISTRICT 3 OFFICE). PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

**SEQUENCE OF WORK**

- 1) PERFORM PAVEMENT REPAIRS
- 2) CRACK SEAL PAVEMENT
- 3) MICROSURFACE MAINLINE
- 4) APPLY PAVEMENT STRIPING

**PAVING AT RAILROAD CROSSINGS**

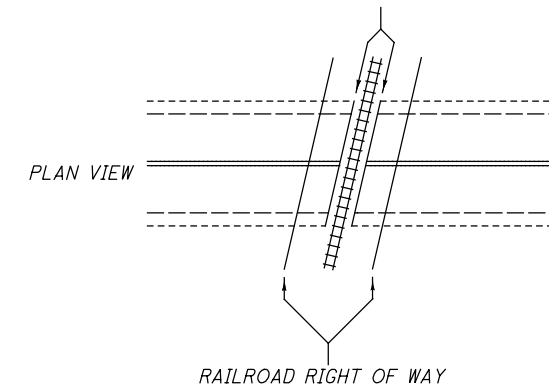
PRIOR TO ANY WORK AT RAILROAD CROSSINGS THE CONTRACTOR SHALL CONTACT THE AFFECTED RAILROAD AUTHORITY SO AS TO MAKE THEM AWARE OF THE PROGRESS AND SCHEDULE OF WORK. THE CONTRACTOR SHALL COOPERATE WITH THE RAILROAD SO AS TO ELIMINATE ANY SAFETY CONCERNS. FLAGGING WILL BE REQUIRED BY THE RAILROAD. ODOT WILL BE RESPONSIBLE FOR PAYING THE RAILROAD FOR ALL FLAGGING COSTS. REFER TO THE RAILROAD SPECIAL CLAUSES IN THE PROPOSAL.

THE CROWN SHALL BE WORKED OUT OF THE RESURFACED PAVEMENT ON EACH SIDE OF THE RAILROAD CROSSING, BEGINNING 50 FEET FROM THE NEAREST RAIL, BY RAISING THE EDGES OF THE RESURFACED PAVEMENT TO MEET THE PLATFORM ELEVATION.

SUSPEND AND RESUME RESURFACING AT THE EDGE OF THE EXISTING CROSSING SURFACE ON BOTH SIDES OF THE TRACK.

**DETAIL - PAVING AT RAILROAD CROSSING**

BUTT JOINT/BEGIN AND END RESURFACING



NOTE:

- 1.) DO NOT DISTURB RAILROAD GATES
- 2.) RE-INSTALL PAVEMENT MARKINGS
- 3.) RAILROAD MAY DIRECT ENGINEER ON THE LOCATION OF BUTT JOINTS. OTHERWISE OMIT AND RESUME RESURFACING AT AT THE EDGE OF THE EXISTING CROSSING SURFACE ON BOTH SIDES OF THE TRACK.

CALCULATED  
JLL  
CHECKED  
KRB

GENERAL NOTES

MED / WAY - MICRO - FY2019

**AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS**

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. THE CONTRACTOR IS ADVISED THAT NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 25 FEET WITHIN THE LIMITS OF WAY-57-6.82 TO WAY-57-8.32. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, THE CONTRACTOR IS ADVISED THAT FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA) WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO FILE A NEW FAA FORM 7460-1, ADVISING THE FAA THAT AERONAUTICAL STUDY NO. (SEE BELOW LIST) IS BEING RESUBMITTED AND THAT AN ALTERATION TO THE ORIGINAL SUBMISSION IS REQUESTED. COPIES OF THE ALTERATION AND FORM 7460-1 SHALL BE FORWARDED TO THE ODOT OFFICE OF AVIATION. THE CONTRACTOR IS ADVISED THAT NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT UNTIL A COPY OF THE FAA APPROVAL AND ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

THE CONTRACTOR IS FURTHER ADVISED THAT THE FAA APPROVAL WILL TAKE A MINIMUM OF 45 DAYS. ALL SUBMISSIONS SHALL BE DIRECTED TO THESE OFFICES:

EXPRESS PROCESSING CENTER  
THE FEDERAL AVIATION ADMINISTRATION  
SOUTHWEST REGIONAL OFFICE  
OBSTRUCTION EVALUATION SERVICE, AJR-32  
2601 MEACHAN BLVD.  
FORT WORTH, TX 76137-0520

ODOT  
OFFICE OF AVIATION  
2829 W DUBLIN-GRANVILLE RD.  
COLUMBUS, OH 43235  
614.793.5046

AERONAUTICAL STUDY NUMBER	COUNTY	ROUTE	STRAIGHT LINE MILE	LAT-LONG	
				LATITUDE	LONGITUDE
2018-AGL-21410	WAY	57	6.82	40.895345	-81.762985
2018-AGL-21411	WAY	57	7.32	40.902594	-81.76294
2018-AGL-21412	WAY	57	7.82	40.909811	-81.763044
2018-AGL-21413	WAY	57	8.32	40.917126	-81.763157

**ITEM 421 - MICROSURFACING**

OMIT ITEM 421 ON STRUCTURES WITH CONCRETE WEARING SURFACE.

THE CONTRACTOR IS RESPONSIBLE FOR COVERING ANY CASTINGS SO THE MICROSURFACING WILL NOT COVER THE CASTINGS (MONUMENT BOXES, MANHOLES, ETC.)

**ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)**  
**ITEM 253 - PAVEMENT REPAIR**

THESE ITEMS 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 12", BASED ON THE PAVEMENT DESIGN AND AN AVERAGE DEPTH OF 4" AND AN AVERAGE WIDTH OF 4 FT FOR ESTIMATING PURPOSES.

REPLACEMENT MATERIAL SHALL BE ITEM 301, OR ITEM 442 19MM, AS PER PLAN MATERIAL AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE. ITEM 301 ASPHALT CONCRETE CAN BE USED WHEN THE DEPTH OF THE REPAIR IS BETWEEN 3" AND 12" WITH A MAXIMUM PAVEMENT LIFT OF 6". ITEM 442 19MM, AS PER PLAN CAN BE USED WHEN THE DEPTH OF THE REPAIR IS BETWEEN 1.5" AND 3". PG 64-22 ASPHALT BINDER SHALL BE USED FOR ALL OF THE ASPHALT CONCRETE MATERIALS FOR THESE REPAIRS.

FOR THE ITEM 442 19 MM, AS PER PLAN MATERIAL, REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:  
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS. USE A PG 64-22 BINDER.  
MAXIMUM RECLAIMED ASPHALT CONCRETE PAVEMENT IS 30 PERCENT. APPLY 703.05 FOR COARSE AND FINE AGGREGATE EXCEPT GRADATION FOR FINE AGGREGATE DOES NOT APPLY.  
QUALITY CONTROL: DO NOT PERFORM Nmax IN QUALITY CONTROL TESTING. DO NOT TAKE EXTRA ASPHALT BINDER SAMPLES AS OUTLINED IN CMS 442.05.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE) IS TO BE A MAXIMUM OF 4" DEEP AND ITEM 253 PAVEMENT REPAIR IS FOR DEPTHS GREATER THAN 4". PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER CUBIC YARD, (BY TICKET WEIGHT CONVERSION), OF ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE) OR ITEM 253 - PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

FUNDING	COUNTY	ROUTE	SLM	ITEM 251	ITEM 253
01/S<2/PV	MED	3	0.00 - 1.00	67 CY	7 CY
01/S<2/PV	MED	3	1.00 - 2.00	67 CY	7 CY
01/S<2/PV	MED	3	2.00 - 3.00	67 CY	7 CY
01/S<2/PV	MED	3	3.00 - 3.80	53 CY	5 CY
TOTAL				254 CY	26 CY

FUNDING	COUNTY	ROUTE	SLM	ITEM 251	ITEM 253
01/S<2/PV	WAY	3	26.13 - 27.00	27 CY	4 CY
01/S<2/PV	WAY	3	27.00 - 28.00	32 CY	135 CY
01/S<2/PV	WAY	3	28.00 - 28.35	11 CY	65 CY
TOTAL				70 CY	204 CY

FUNDING	COUNTY	ROUTE	SLM	ITEM 251	ITEM 253
02/STR/PV	WAY	57	0.00 - 1.00	67 CY	7 CY
02/STR/PV	WAY	57	1.00 - 1.25	16 CY	2 CY
01/S<2/PV	WAY	57	1.25 - 2.00	50 CY	5 CY
01/S<2/PV	WAY	57	2.00 - 2.20	13 CY	1 CY
01/S<2/PV	WAY	57	4.82 - 5.00	11 CY	1 CY
02/STR/PV	WAY	57	5.00 - 6.00	67 CY	7 CY
02/STR/PV	WAY	57	6.00 - 7.00	67 CY	7 CY
02/STR/PV	WAY	57	7.00 - 8.00	67 CY	7 CY
02/STR/PV	WAY	57	8.00 - 9.00	67 CY	7 CY
02/STR/PV	WAY	57	9.00 - 10.00	67 CY	7 CY
02/STR/PV	WAY	57	10.00 - 10.66	44 CY	4 CY
05/S>2/PV	WAY	57	10.66 - 10.82	10 CY	1 CY
TOTAL				546 CY	56 CY

FUNDING SPLIT	ITEM 251	ITEM 253
01/S<2/PV - TOTAL	398 CY	237 CY
02/STR/PV - TOTAL	462 CY	48 CY
05/S>2/PV - TOTAL	10 CY	1 CY
TOTAL	870 CY	286 CY

**ITEM 423 - CRACK SEALING, TYPE II OR TYPE III**

THE CONTRACTOR SHALL SEAL ALL VISABLE JOINTS AND CRACKS OVER TWO (2) FEET IN LENGTH ACCORDING TO ITEM 423 PRIOR TO MICROSURFACING.

ALL MATERIAL, EQUIPMENT, LABOR, AND INCIDENTALS NEEDED TO COMPLETE THIS ITEM IS CONSIDERED INCIDENTAL TO ITEM 421 MICROSURFACING.

**ITEM 611 - CASTINGS ADJUSTED TO GRADE**

THE CASTING TO BE ADJUSTED MAY OR MAY NOT HAVE AN EXISTING FRAME. THE WORK SHALL CONSIST OF ADJUSTING THE EXISTING CASTING TO THE SATISFACTION OF THE ENGINEER. IT IS NOT INTENDED TO PLACE NEW FRAMES WHERE NONE CURRENTLY EXIST. THE CONTRACTOR IS REMINDED TO FIELD CHECK ALL ADJUSTMENT TO GRADE ITEMS PRIOR TO BIDDING, AS NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR LABOR AND MATERIALS REQUIRED TO SATISFACTORILY ADJUST CASTINGS WITHOUT FRAMES.

01/S<2/PV: WAY-3-27.25 TO 28.35	
ITEM 611 - CATCH BASIN ADJUSTED TO GRADE	5 EACH
ITEM 611 - MANHOLE ADJUSTED TO GRADE	31 EACH

**ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE**

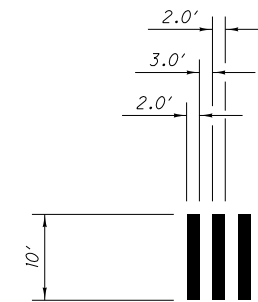
ALL WORK RELATED TO ADJUSTING MONUMENT BOXES TO GRADE WILL BE IN ACCORDANCE TO SECTIONS 623.04 AND 623.05 OF THE 2016 ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS.

THE MONUMENT BOX TO BE ADJUSTED MAY OR MAY NOT HAVE AN EXISTING ADJUSTABLE FRAME. THE WORK SHALL CONSIST OF ADJUSTING THE EXISTING MONUMENT BOX TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR IS REMINDED TO FIELD CHECK ALL ADJUSTMENT TO GRADE ITEMS PRIOR TO BIDDING, AS NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR LABOR AND MATERIALS REQUIRED TO SATISFACTORILY ADJUST CASTINGS WITHOUT ADJUSTABLE FRAMES.

01/S<2/PV: WAY-3-27.25 TO 28.35	
ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE	6 EACH

**ITEM 642 - CROSSWALK LINE, AS PER PLAN**

THE MARKING DETAIL SHOWN BELOW SHALL ONLY BE APPLIED TO MED-3 MAINLINE AT THE MAIN STREET INTERSECTION TO IMPROVE DRIVER AWARENESS OF THE PEDESTRIAN CROSSINGS IN THE VILLAGE OF SEVILLE.



**ITEM 897 - PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A**

TAPER THE PLANING AT BUTT JOINT LOCATIONS AT STRUCTURES AS SHOWN ON THE PAVEMENT DATA SHEET.

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 A.

**ITEM SPECIAL - AIR SPEED ZONE MARKING**

EXCEPT AS NOTED, THIS ITEM IS TO MEET CMS 642. THE SPEED MEASUREMENT MARKINGS ARE TO BE WHITE AND 24 INCHES WIDE (MEASURED IN THE DIRECTION OF TRAVEL) AND FOUR (4) FEET IN LENGTH.

PLACE THE MARKINGS AT 0.25 MILE INTERVALS OVER A ONE (1) MILE LENGTH OF ROADWAY ENTIRELY ON THE CENTER LINE. IN BOTH DIRECTIONS, THE ZONE IS TO START AT WAY-57-10.00 AND END AT WAY-57-11.00.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE MARKINGS LAID OUT BY A STATE OF OHIO REGISTERED SURVEYOR. A RECORD IS TO BE KEPT AND ONE ORIGINAL SIGNED AND SEALED DOCUMENT IS TO BE SENT TO THE DISTRICT 3 TRAFFIC ENGINEER AND ONE COPY FOR THE DISTRICT CONSTRUCTION ENGINEER.

MEASUREMENT AND PAYMENT: THE FIVE (5) MARKINGS PLACED ON EACH OF THE TWO SHOULDERS IN EACH 1 MILE OF ROADWAY PER EACH DIRECTION OF TRAVEL EQUAL ONE ZONE. ONE ZONE WILL BE MEASURED AS 1 EACH. PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT AND SURVEYING FOR ACCEPTED WORK IS TO BE INCLUDED PER EACH IN ITEM SPECIAL - AIR SPEED ZONE MARKING.

**ITEM SPECIAL - MISC. - TACK COAT MATERIAL FOR RESEARCH SECTIONS**

**ITEM SPECIAL - MISC. - TACK COAT RESEARCH SECTIONS**  
**ITEM 421 - MICROSURFACING, SURFACE COURSE, AS PER PLAN**  
**ITEM 421 - MICROSURFACING, LEVELING COURSE, AS PER PLAN**

GENERAL: AS PART OF THIS PROJECT, THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT MICRO-SURFACING TEST SECTIONS WITH DIFFERENT TACK COAT MATERIALS, AT DIFFERENT APPLICATION RATES AS WELL AS WITH MIXES THAT CONTAIN DIFFERENT ASPHALT EMULSION CONTENTS. THE CONTRACTOR WILL COORDINATE THE WORK WITH THE DEPARTMENT'S RESEARCH TEAM AND PROVIDE ASSISTANCE TO THE RESEARCH TEAM AS REQUIRED. ALL REQUIREMENTS OF ITEM 421 AND ITEM 407 APPLY, EXCEPT AS MODIFIED HEREIN.

A. TEST SECTIONS WILL BE CONSTRUCTED ON WAYNE STATE ROUTE 003 SOUTHBOUND LANE FROM MILEPOST 26.17 TO MILEPOST 28.35. WHILE A SINGLE COURSE MICRO-SURFACING WILL BE USED FOR SECTIONS BETWEEN MILEPOST 26.17 AND MILEPOST 27.25, A DOUBLE COURSE MICRO-SURFACING (LEVELING AND SURFACING MICRO-SURFACING LAYERS) WILL BE USED FOR TEST SECTIONS FROM MILEPOST 27.25 TO MILEPOST 28.35. THE TEST SECTIONS MUST BE CONSTRUCTED AFTER 06/15/2019 BUT BEFORE 07/01/2019. FOR EACH CALENDAR DAY THIS WORK RESTRICTION IS VIOLATED IN THIS AREA, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE FEE OF \$2,000. THE TWO-YEAR WARRANTY DOES NOT APPLY FOR THE TEST SECTIONS.

B. EACH TEST SECTION WILL CONSIST OF MULTIPLE SEGMENTS USING MICRO-SURFACING MIXES WITH TWO DIFFERENT EMULSION CONTENTS, DIFFERENT TACK MATERIALS AND RATES, AS SHOWN IN TABLES 1 AND 2.

C. THE CONTRACTOR WILL SUPPLY ALL NEEDED MATERIALS, EQUIPMENT, LABOR, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK DESCRIBED.

D. AFTER CONSTRUCTION, THE DEPARTMENT'S RESEARCHER WILL CONDUCT TESTS ON EACH TEST SECTION AND POSSIBLY CUT CORE SAMPLES FOR LABORATORY TESTING.

Table 1. Tentative Test Section Matrix (single course micro-surfacing test sections)

Section	Tack Coat Material Type	Tack Coat Diluted Application Rate (g/sy) <sup>[1]</sup>	Residual Asphalt Binder Content Of Micro-Surfacing Mix	Milepost	
				Begin	End
1	Same as micro-surfacing mix (CSS-1hM)	0.03	0.5-0.75% lower than typical design <sup>[2]</sup>	26.17	26.30
2	None	None	Typical Design <sup>[3]</sup>	26.30	26.45
3	Same as micro-surfacing mix (CSS-1hM)	0.03		26.45	26.61
4		0.06		26.61	26.77
5		0.10		26.77	26.93
6	SS1h/CSS-1h	0.10		26.93	27.09
7		0.03		27.09	27.25

[1] The selected application rate might be different from those provided in the table but it will not exceed 0.12 gallon/square yard

[2] The exact percent will be selected by the Department's researcher based on the approved job mix design provided by the contractor for the typical design sections.

[3] Mixtures with "Typical Design" will have a residual asphalt binder content between 7.0% and 8.5%.

Table 2. Tentative Test Section Matrix (double course micro-surfacing test sections)

Section	Sections on Existing Pavement Surface			Sections on New Leveling Course		Milepost	
	Tack Coat Material Type	Tack Coat Diluted Application Rate (g/sy) <sup>[1]</sup>	Residual Asphalt Binder Content Of Micro-Surfacing Mix	Tack Coat Material Type	Tack Coat Diluted Application Rate (g/sy) <sup>[1]</sup>	Begin	End
1	Same as micro-surfacing mix (CSS-1hM)	0.03	0.5-0.75% lower than typical design <sup>[2]</sup>	Same as micro-surfacing mx	0.03	27.25	27.41
2	None	None	Typical Design <sup>[3]</sup>	None	None	27.41	27.56
3	Same as micro-surfacing mix (CSS-1hM)	0.06		None	None	27.56	27.72
4		0.06		Same as micro-surfacing mix (CSS-1hM)	0.03	27.72	27.88
5		0.06		0.06	27.88	28.04	
6	SS1h/CSS-1h	0.06		SS1h	0.03	28.04	28.19
7		0.06			0.06	28.19	28.35

[1] The selected application rate might be different from those provided in the table but it will not exceed 0.12 gallon/square yard

[2] The exact percent will be selected by the Department's researcher based on the approved job mix design provided by the contractor for the typical design sections.

[3] Mixtures with "Typical Design" will have a residual asphalt binder content between 6.5% and 8.0%.

MATERIALS REQUIREMENTS: IN ADDITION TO THE REQUIRED MATERIALS IN THE SPECIFICATIONS, SUPPLY THE FOLLOWING MATERIALS FOR THE TEST SECTION:

- SS-1H OR CSS-1H ASPHALT EMULSION (ITEM 702.04). SUPPLY 1000 GALLONS OF DILUTED TACK COAT PER REQUIREMENTS OF 421.09.
- CSS-1HM (ITEM 421.02). SUPPLY 2000 GALLONS OF DILUTED TACK COAT PER REQUIREMENTS OF 421.09.

IN ALL CASES, THE CONTRACTOR MUST SUPPLY AT LEAST THE QUANTITY OF TACK REQUIRED IN TABLE 1 OR THE MINIMUM REQUIRED TO ADEQUATELY HEAT, CIRCULATE, AND DISTRIBUTE THE SAME BASED ON THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS, WHICHEVER IS GREATER.

MATERIAL HANDLING REQUIREMENTS: THE CONTRACTOR IS RESPONSIBLE FOR USE OR DISPOSAL OF LEFTOVER TACK MATERIALS.

EQUIPMENT REQUIREMENTS: IN ADDITION TO REQUIRED EQUIPMENT TO CONSTRUCT SECTIONS PER THE SPECIFICATIONS, SUPPLY THE FOLLOWING EQUIPMENT:

TWO TACK DISTRIBUTOR TRUCKS MEETING 407.03 AND CAPABLE OF APPLYING TACK COAT AT RATES RANGING BETWEEN 0.03 0.12 GAL/SY. ONE DISTRIBUTOR TRUCK IS FOR SS-1H OR CSS-1H AND THE OTHER FOR CSS-1HM.

CONSTRUCTION AND QUALITY CONTROL REQUIREMENTS: IN ADDITION TO THE REQUIREMENTS IN THE SPECIFICATIONS, THE FOLLOWING WILL APPLY:

A. BEFORE PLACEMENT OF ANY TEST SECTION, THE CONTRACTOR AND ENGINEER WILL MEET WITH THE DEPARTMENT'S RESEARCHER TO REVIEW AND CONFIRM PLANS FOR CONSTRUCTING EACH TEST SECTION.

B. TACK MATERIALS MUST BE HEATED TO THE MANUFACTURER'S RECOMMENDED TEMPERATURE BEFORE APPLICATION.

C. EACH TACK COAT DISTRIBUTION TRUCK WILL BE CALIBRATED TO ENSURE IT CAN SPRAY TACK COAT WITH RATES RANGING BETWEEN 0.03 GALLON PER SQUARE YARD AND 0.12 GALLON PER SQUARE YARD. TACK RATE AND TACK UNIFORMITY WILL BE EVALUATED BY THE DEPARTMENT'S RESEARCHER USING ASTM D 2995 TO CHECK THE CALIBRATION. THIS WILL BE PERFORMED THE SAME DAY THE CONTRACTOR IS CALIBRATING THE MICRO-SURFACING MIXING EQUIPMENT. ASSUME TWO HOURS FOR THIS TASK FOR EACH TRUCK.

D. TACK RATE AND TACK UNIFORMITY WILL BE EVALUATED BY THE DEPARTMENT'S RESEARCHER USING ASTM D 2995 TO CHECK THE CALIBRATION THROUGHOUT CONSTRUCTION OF EACH TEST SECTION. DO NOT ALLOW CONSTRUCTION OR ANY OTHER TRAFFIC ON THE TACK COAT EXCEPT AS DIRECTED.

E. USE THE DISTRIBUTOR TRUCK TO APPLY SS-1H AND CSS-1HM ASPHALT EMULSIONS AS SHOWN IN TABLE 1 OR AS DIRECTED BY THE ENGINEER.

F. FOR SEGMENTS THAT WILL REQUIRE A CHANGE IN THE MIX EMULSION CONTENT, THE PAVING OPERATION HAS TO BE STOPPED UNTIL THE MIXING EQUIPMENT IS ADJUSTED TO THE NEW EMULSION CONTENT IN THE PRESENCE OF THE ENGINEER.

G. PROVIDE AND ERECT GROUND MOUNTED SIGNS AT EACH TEST SECTION LOCATION PER THE ATTACHED RECOMMENDED NOTE PLAN. THESE SHALL BE PAID AS ITEM 630E03100 FT GROUND MOUNTED SUPPORT, NO. 3 POST AND ITEM 630E80100 SF SIGN, FLAT SHEET.

H. FOR THE TEST SECTIONS IN TABLE 2, THE MICRO-SURFACING SURFACE COURSE SHOULD BE CONSTRUCTED FOUR DAYS AFTER THE END OF THE APPLICATION OF THE MICRO-SURFACING LEVELING COURSE.

PROJECT ASSISTANCE: THE CONTRACTOR WILL BE REQUIRED TO ASSIST THE DEPARTMENT'S RESEARCH TEAM TO OBTAIN REQUIRED INFORMATION AND PLACEMENT OF SUCCESSFUL TEST SECTIONS. COORDINATE ACTIVITIES WITH THE DEPARTMENT'S RESEARCHER BEFORE AND DURING CONSTRUCTION OF THE TEST SECTIONS AND SUPPLY THE FOLLOWING AS REQUIRED:

A. ASSIST THE DEPARTMENT'S RESEARCHER IN SAMPLING OF TACK COAT AND MICRO-SURFACING AGGREGATE AND EMULSION ON AN AS-NEED BASIS FOR LABORATORY TESTING:

- MICRO-SURFACING MIX EMULSION: PROVIDE 10 GALLONS OF EMULSION USED IN MICRO-SURFACING MIX ON THE DAY OF CONSTRUCTION. THE DEPARTMENT'S RESEARCHER WILL PROVIDE CONTAINERS FOR THE EMULSION SAMPLES. AN ADDITIONAL 1 QUART SAMPLE PER 421.12 IS STILL REQUIRED.
- MICRO-SURFACING MIX AGGREGATE: PROVIDE 5 BUCKETS OF THE AGGREGATE USED IN THE MICRO-SURFACING MIX ON THE DAY OF CONSTRUCTION. THE DEPARTMENT'S RESEARCHER WILL PROVIDE THE BUCKETS FOR THE AGGREGATE SAMPLE.

3. TACK COAT: PROVIDE 2 GALLONS OF EACH TYPE ON THE DAY OF CONSTRUCTION. ALWAYS WASTE 1 GALLON FOR IN-LINE CLEANING BEFORE TAKING A 2-GALLON SAMPLE. THE DEPARTMENT'S RESEARCHER WILL PROVIDE THE CONTAINERS FOR THE TACK COAT SAMPLES. AN ADDITIONAL 1 QUART SAMPLE PER 421.12 IS STILL REQUIRED.

B. PROVIDE THE DEPARTMENT'S RESEARCHER WITH ALL TRAFFIC CONTROL NECESSARY FOR TESTING, CORING, AND OTHER SAMPLING AS NEEDED UNTIL THE COMPLETION OF THE PAVING. TESTING AND CORE SAMPLING WILL BE CONDUCTED BY THE RESEARCH TEAM WITH THEIR OWN EQUIPMENT AND ARE NOT A RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL CORING WILL BE CONDUCTED AFTER THE MICRO-SURFACING HAS CURED FOR THREE DAYS AND MAY TAKE FOUR DAYS TO COMPLETE. PROVIDE A WORK ZONE FOR FOUR DAYS ASSUMING THE SAME WILL BE NEEDED BEGINNING AT THE END OF THE THREE-DAY CURE PERIOD. PAYMENT FOR THE WORK ZONE WILL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.

C. PROVIDE THE ENGINEER THE FOLLOWING PLANT AND FIELD DATA AS REQUESTED BY THE RESEARCH TEAM:

- PRODUCTION INFORMATION
- LAYDOWN INFORMATION INCLUDING MIXING AND SPREADING EQUIPMENT INFORMATION.
- COPIES OF ALL QUALITY CONTROL AND PRODUCTION TEST DATA REQUIRED BY C&MS.

METHODS OF MEASUREMENT: THE DEPARTMENT WILL MEASURE TACK COAT MATERIAL FOR RESEARCH SECTIONS BY THE NUMBER OF GALLONS (LITERS) OF UNDILUTED ASPHALT MATERIAL APPLIED FOR EACH SECTION ACCORDING TO C&MS 109 OR ACTUAL MEASUREMENT ON THE PROJECT. THE DEPARTMENT WILL MEASURE MICRO-SURFACING, SURFACE COURSE, AS-PER-PLAN, BY THE NUMBER OF SQUARE YARDS, COMPLETE AND ACCEPTED IN PLACE. THE DEPARTMENT WILL MEASURE MICRO-SURFACING, LEVELING COURSE, AS-PER-PLAN, BY THE NUMBER OF SQUARE YARDS, COMPLETE AND ACCEPTED IN PLACE.

BASIS OF PAYMENT: THE COST OF ALL ADDITIONAL LABOR, EQUIPMENT, COORDINATION OR OTHER MISCELLANEOUS WORK REQUIRED TO COMPLETE THE WORK AS DESCRIBED ABOVE, EXCEPT FOR THE TRAFFIC CONTROL AND TEST SECTION GROUND MOUNTED IDENTIFICATION SIGNS, WILL BE PAID FOR ACCORDINGLY: ITEM 690 SPECIAL MISC.: TACK COAT RESEARCH SECTIONS. TACK COAT MATERIAL PLACED AS DESCRIBED ABOVE AND ACCEPTED, WILL BE PAID FOR UNDER ITEM 690 SPECIAL MISC.: TACK COAT MATERIAL FOR RESEARCH SECTIONS. MICRO-SURFACING MIX PLACED ON RESEARCH SECTIONS WILL BE PAID FOR UNDER ITEMS MICRO-SURFACING, SURFACE COURSE AS-PER-PLAN; AND MICRO-SURFACING, LEVELING COURSE, AS-PER-PLAN.

THE DEPARTMENT WILL NOT PAY FOR NON-UNIFORMLY APPLIED MATERIALS AS DEFINED IN 407.06.

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AS SHOWN ON THE PAVEMENT DATA SHEET.

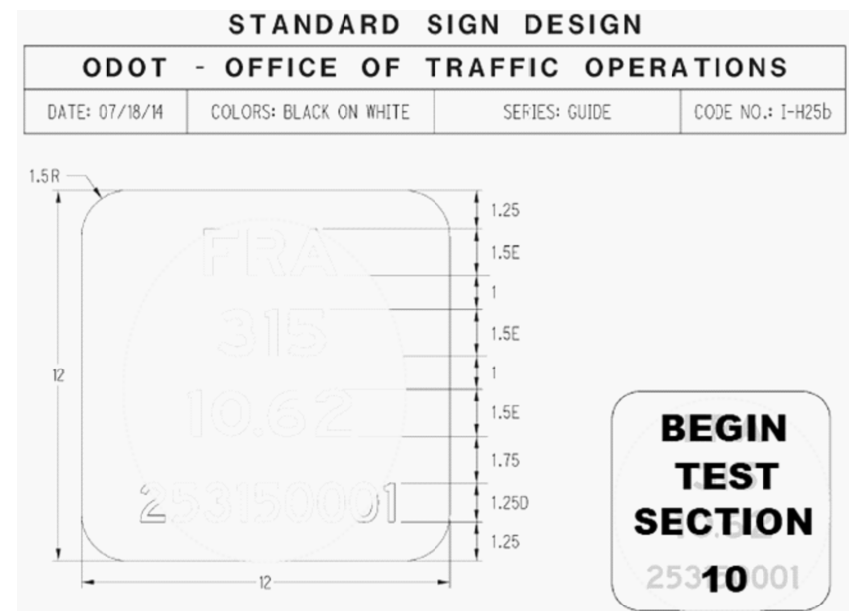
THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM SPECIAL - MISC.: TACK COAT RESEARCH SECTIONS  
01/S<2/PV - LUMP

**ITEM 630 - BEGIN TEST SECTION ID SIGNS**

INSTALL BEGIN TEST SECTION ID SIGN AT START OF EACH TEST SECTION. FABRICATE SIGNS PER TEST SECTION MATRIX USING SIGN DESIGN SHOWN BELOW. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS WORK:

01/S<2/PV  
ITEM 630 - SIGN, FLAT SHEET 14 SF  
ITEM 630 - GROUND MOUNTED SUPPORT, NO. 3 POST 140 FT



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GENERAL NOTES

MED / WAY - MICRO - FY2019

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**PLACEMENT OF MICROSURFACE**

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 MICROSURFACE COURSES.

**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:

ALL ROUTES:  
CHRISTMAS                      FOURTH OF JULY  
NEW YEARS                      LABOR DAY  
MEMORIAL DAY                      THANKSGIVING

MED-3:  
VILLAGE OF SEVILLE YARD SALE (6/14/2019 TO 6/15/2019)

WAY-3:  
VILLAGE OF CRESTON COMMUNITY YARD SALE (6/6/19 TO 6/8/19)  
VILLAGE OF CRESTON FESTIVAL (8/9/19 TO 8/10/19)  
VILLAGE OF CRESTON LABOR DAY CAR SHOW (9/1/19)

THE PERIOD OF TIME THAT THE 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 THE WEEK	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 MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$50 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

**ITEM 614 - WORK ZONE MARKING SIGN**

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR TEMPORARY WORK ZONE MARKING SIGNS PER THE REQUIREMENTS OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS, 614.04.

01/S<2/PV: MED-3, WAY-3, WAY-57  
 WORK ZONE MARKING SIGN: (W8-H12A-36) NO EDGE LINE = 21 EACH  
 WORK ZONE MARKING SIGN: (R4-1-24) DO NOT PASS = 13 EACH  
 WORK ZONE MARKING SIGN: (R4-2-24) PASS WITH CARE = 9 EACH  
 TOTAL = 43 EACH

02/STR/PV: WAY-57  
 WORK ZONE MARKING SIGN: (W8-H12A-36) NO EDGE LINE = 20 EACH  
 WORK ZONE MARKING SIGN: (R4-1-24) DO NOT PASS = 17 EACH  
 WORK ZONE MARKING SIGN: (R4-2-24) PASS WITH CARE = 16 EACH  
 TOTAL = 53 EACH

05/S>2/PV: WAY-57  
 WORK ZONE MARKING SIGN: (W8-H12A-36) NO EDGE LINE = 1 EACH  
 WORK ZONE MARKING SIGN: (R4-2-24) PASS WITH CARE = 1 EACH  
 TOTAL = 2 EACH

**COORDINATION OF WORK BETWEEN CONTRACTORS**

THE CONTRACTOR SHOULD BE AWARE THAT THERE MAY BE OTHER WORK BEING PERFORMED BY A SEPARATE CONTRACT. WAY-301-4.49/WAY-604-20.65 (PID 103920) IS A CULVERT REPLACEMENT PROJECT AND IS SCHEDULED TO BEGIN WORK IN THE 2019 CONSTRUCTION SEASON. COORDINATION OF WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

**ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS**

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), A UNIFORMED LAW ENFORCEMENT OFFICER (AND OFFICIAL PATROL CAR WITH MOUNTED EMERGENCY FLASHING LIGHTS) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC FOR THE FOLLOWING TASKS AS DIRECTED 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.

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

DURING THE CONSTRUCTION OPERATIONS AT SIGNALIZED INTERSECTIONS WHERE TRAFFIC NEEDS TO BE DIRECTED THROUGH THE INTERSECTION.

DURING A TRAFFIC SIGNAL INSTALLATION.

LAW ENFORCEMENT OFFICERS (LEOs) SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED. THE LEOs ARE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH THEY ARE EMPLOYED BY THE CONTRACTOR, THE PROJECT ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT. THE OFFICIAL PATROL CAR SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

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 CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICES AND PROVIDE 72 HOURS ADVANCE NOTICE AS REQUIRED BY THE HIGHWAY PATROL LISTED BELOW:

STATE HIGHWAY PATROL 3149 FRANTZ ROAD MEDINA, OH 44256 330.725.4921	STATE HIGHWAY PATROL 1786 DOVER ROAD WOOSTER, OHIO 44691 330.264.0575
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LAW ENFORCEMENT OFFICERS 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 QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE:  
01/S<2/PV: 70 HOURS  
02/STR/PV: 50 HOURS

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

IF THE CONTRACTOR WISHES TO UTILIZE LEOs FOR FLAGGING AND TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THESE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE.

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MAINTENANCE OF TRAFFIC NOTES

MED / WAY - MICRO - FY2019



**ITEM SPECIAL, MAILBOX SUPPORT SYSTEM**

THIS ITEM OF WORK SHALL CONSIST OF THE REMOVAL OF EXISTING NON-STANDARD MAILBOX SUPPORTS AND FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED HARDWARE IN ACCORDANCE WITH THE DETAILS SHOWN, AND ATTACHING AN OWNER SUPPLIED MAILBOX, AT LOCATIONS DETERMINED BY THE ENGINEER.

IN ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE BOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION. SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO MAILBOXES MAY BE MOUNTED ON A SINGLE POST. [HARDWARE SHALL BE COMMERCIAL GRADE GALVANIZED STEEL.]

WOOD POSTS SHALL BE NOMINAL 4 IN. x 4 IN. (S4S) OR 4 1/2 IN. DIAMETER ROUND, AND CONFORM TO 710.14. STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 IN. I.D., AND CONFORM TO AASHTO M 181.

POSTS SHALL BE SET AS PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH THE LOCAL POST MASTER AND NOTIFYING THE PROPERTY OWNERS PRIOR TO WORK.

GROUP MAILBOX SUPPORTS SHALL BE PLACED ON 3 FT. CENTERS AND THE TURNOUT LENGTHENED TO ACCOMMODATE THE GROUPING.

WHERE GUARDRAIL EXISTS, MAILBOXES AND THEIR SUPPORTS SHALL BE PLACED BEHIND THE GUARDRAIL. SUPPORTS MUST STILL MEET THE BREAKAWAY REQUIREMENTS LISTED ABOVE.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DESCRIBED ABOVE.

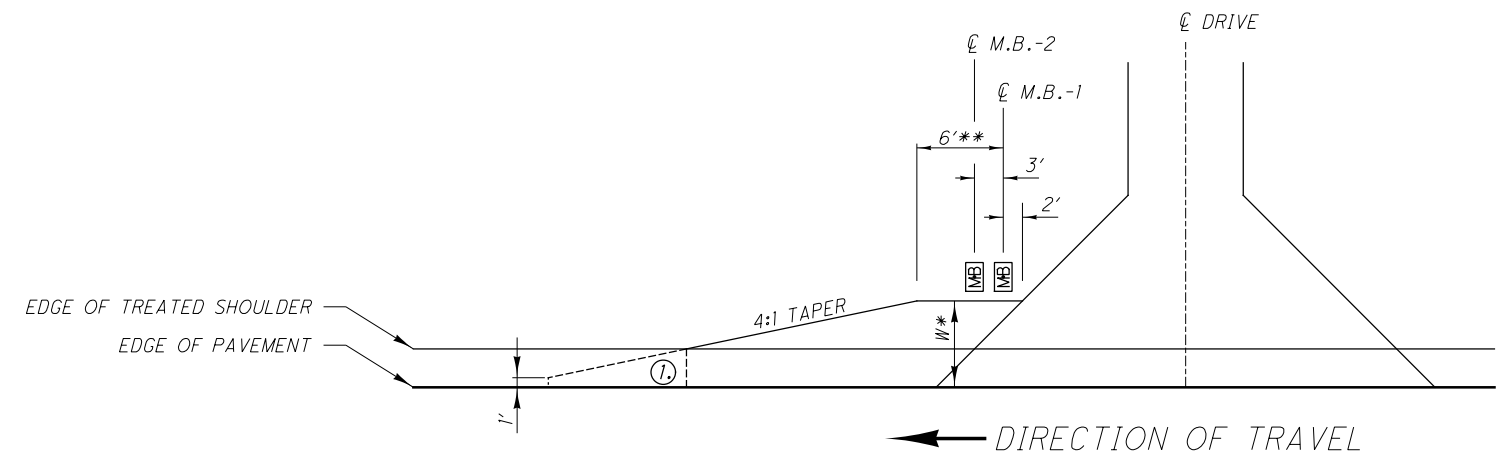
ITEM SPECIAL-MAILBOX SUPPORT SYSTEM, SINGLE  
02/STR/PV - S.R. 57

1 EACH

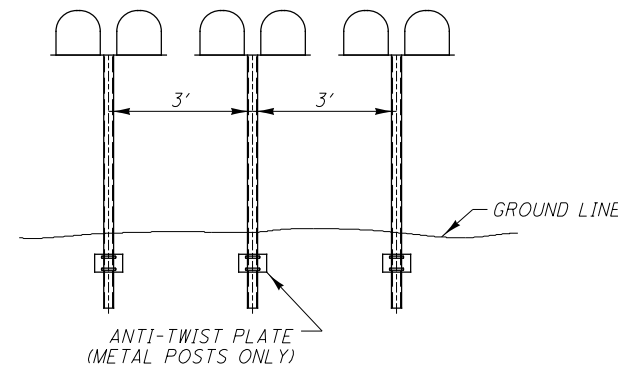
**LOCATIONS OF MAILBOX SUPPORT SYSTEM TO BE REPLACED**

ADDRESSES AND/OR LOCATIONS OF MAILBOX SUPPORT SYSTEM TO BE REPLACED:

11194 SR 57 - NORTH OF E STEINER RD



① END MAILBOX TURNOUT AT EDGE OF ASPHALT CONCRETE SHOULDER OR 1' FROM EDGE OF PAVEMENT IF TREATED SHOULDER IS AGGREGATE.



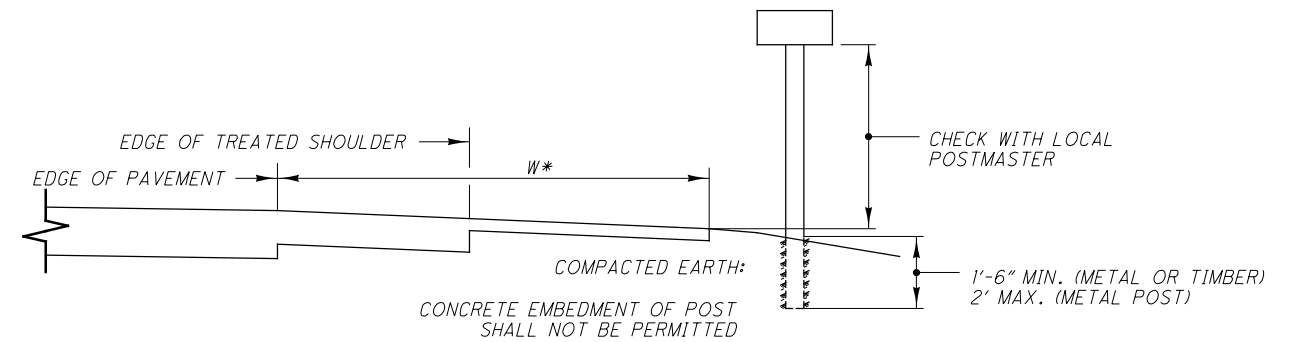
GROUP MAILBOX INSTALLATION

**W\* NOTES**

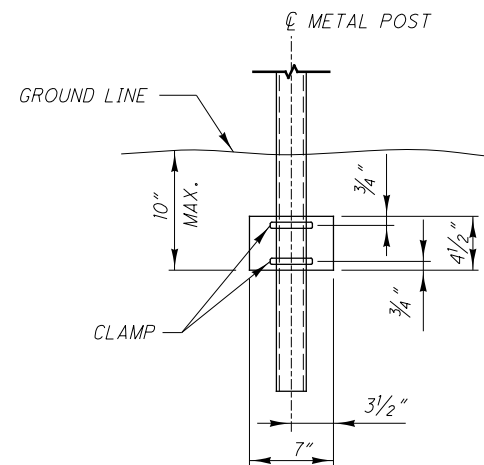
- 1) WHERE EXISTING STANDARD MAILBOX POSTS ARE BEHIND GUARDRAIL AND ARE TO REMAIN IN PLACE, TURNOUT WIDTH SHALL EXTEND TO FACE OF GUARDRAIL.
- 2) WHERE NO GUARDRAIL IS REQUIRED, TURNOUT WIDTH SHALL BE 6 FT MAXIMUM OR TO FACE OF EXISTING STANDARD MAILBOX IF IT IS LESS THAN 6 FT.
- 3) IF THE MAILBOX SUPPORT IS SPECIFIED TO BE REMOVED AND REERECTED OR REPLACED, WHERE GUARDRAIL IS REQUIRED, TURNOUT WIDTH SHALL EXTEND TO FACE OF GUARDRAIL AND MAILBOX SHALL BE INSTALLED BEHIND THE GUARDRAIL.
- 4) IF THE MAILBOX SUPPORT IS SPECIFIED TO BE REMOVED AND REERECTED OR REPLACED, WHERE NO GUARDRAIL IS REQUIRED, TURNOUT WIDTH SHALL BE 6 FT. MAXIMUM.

**\*\* NOTE**

- 1) 6 FT FOR ONE MAILBOX SUPPORT, ADD 3 FT. FOR EACH ADDITIONAL MAILBOX SUPPORT.



CROSS SECTION / ELEVATION VIEW



ANTI-TWIST PLATE

FOR DETAILS NOT SHOWN SEE STANDARD DRAWING BP-4.1

CALCULATED  
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MAILBOX FACILITIES

MED / WAY - MICRO - FY2019

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SHEET NUM.								PART.					ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
6	7	8	9	12	13	14	16	01/S<2/PV	02/STR/PV	03/S<2/B R	04/STR/B R	05/S<2/PV						
ROADWAY																		
6								6					623	39500	6	EACH	MONUMENT BOX ADJUSTED TO GRADE	
			1						1				SPECIAL	69050100	1	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	9
DRAINAGE																		
5								5					611	98630	5	EACH	CATCH BASIN ADJUSTED TO GRADE	
31								31					611	99654	31	EACH	MANHOLE ADJUSTED TO GRADE	
PAVEMENT																		
870								398	462			10	251	01042	870	CY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)	
286								237	48			1	253	02000	286	CY	PAVEMENT REPAIR	
			207,300	8,962				91,472	121,786			3,004	421	10010	216,262	SY	MICROSURFACING, SURFACE COURSE (24 LB/SY)	
				11,894				11,894					421	10010	11,894	SY	MICROSURFACING, SURFACE COURSE (16 LB/SY)	
				8,962				8,962					421	10011	8,962	SY	MICROSURFACING, SURFACE COURSE, AS PER PLAN (24 LB/SY)	7
				11,894				11,894					421	10011	11,894	SY	MICROSURFACING, SURFACE COURSE, AS PER PLAN (16 LB/SY)	7
				11,894				11,894					421	10020	11,894	SY	MICROSURFACING, LEVELING COURSE (14 LB/SY)	
				11,894				11,894					421	10021	11,894	SY	MICROSURFACING, LEVELING COURSE, AS PER PLAN (14 LB/SY)	7
			1,324	823				1,612	464			71	897	01010	2,147	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (BUTT JOINTS)	
	LS							LS					SPECIAL	69098400	LS		TACK COAT RESEARCH SECTIONS	7
				1,392				1,392					SPECIAL	69098900	1,392	GAL	TACK COAT MATERIAL FOR RESEARCH SECTIONS	7
TRAFFIC CONTROL																		
						795		283	500			12	621	00100	795	EACH	RPM	
						795		283	500			12	621	54000	795	EACH	RAISED PAVEMENT MARKER REMOVED	
	140							140					630	03100	140	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
	14							14					630	80100	14	SF	SIGN, FLAT SHEET	
						24.34		10.2	13.82			0.32	642	00104	24.34	MILE	EDGE LINE, 6", TYPE 1	
						14.18		7.11	6.91			0.16	642	00300	14.18	MILE	CENTER LINE, TYPE 1	
						424		424					642	00400	424	FT	CHANNELIZING LINE, 8", TYPE 1	
						530		235	295				642	00500	530	FT	STOP LINE, TYPE 1	
						659		659					642	00600	659	FT	CROSSWALK LINE, TYPE 1	
						188		188					642	00601	188	FT	CROSSWALK LINE, TYPE 1, AS PER PLAN	6
						1,079		1,079					642	00700	1,079	FT	TRANSVERSE/DIAGONAL LINE, TYPE 1	
						6		6					642	01000	6	EACH	RAILROAD SYMBOL MARKING, TYPE 1	
						2		2					642	01100	2	EACH	SCHOOL SYMBOL MARKING, 72", TYPE 1	
						810		810					642	01200	810	FT	PARKING LOT STALL MARKING, TYPE 1	
						6		6					642	01300	6	EACH	LANE ARROW, TYPE 1	
						1		1					642	01702	1	EACH	HANDICAP SYMBOL MARKING, TYPE 1	
						1						1	SPECIAL	64240000	1	EACH	AIR SPEED ZONE MARKING	6
						92		12	80				643	30000	92	FT	REMOVAL OF PAVEMENT MARKING (EXISTING STOP LINES)	
						2		2					643	30020	2	EACH	REMOVAL OF PAVEMENT MARKING (EXISTING RAILROAD SYMBOL MARKINGS)	
						1						1	643	30020	1	EACH	REMOVAL OF PAVEMENT MARKING (EXISTING AIR SPEED ZONE MARKINGS)	
						23.26		9.12	13.82			0.32	643	30030	23.26	MILE	REMOVAL OF PAVEMENT MARKING (EXISTING EDGE LINES)	
						14.16		7.09	6.91			0.16	643	30030	14.16	MILE	REMOVAL OF PAVEMENT MARKING (EXISTING CENTER LINES)	
						424		424					644	30000	424	FT	REMOVAL OF PAVEMENT MARKING (EXISTING CHANNELIZING LINES)	
						530		235	295				644	30000	530	FT	REMOVAL OF PAVEMENT MARKING (EXISTING STOP LINES)	
						959		959					644	30000	959	FT	REMOVAL OF PAVEMENT MARKING (EXISTING CROSSWALK LINES)	
						1,079		1,079					644	30000	1,079	FT	REMOVAL OF PAVEMENT MARKING (EXISTING TRANSVERSE LINES)	
						810		810					644	30000	810	FT	REMOVAL OF PAVEMENT MARKING (EXISTING PARKING LOT STALL MARKINGS)	
						6		6					644	30020	6	EACH	REMOVAL OF PAVEMENT MARKING (EXISTING RAILROAD SYMBOL MARKINGS)	
						2		2					644	30020	2	EACH	REMOVAL OF PAVEMENT MARKING (EXISTING SCHOOL SYMBOL MARKINGS)	
						6		6					644	30020	6	EACH	REMOVAL OF PAVEMENT MARKING (EXISTING LANE ARROWS)	
						1						1	644	30020	1	EACH	REMOVAL OF PAVEMENT MARKING (EXISTING AIR SPEED ZONE MARKINGS)	
STRUCTURE REPAIR (MED-3-2.20)																		
								72		72			202	98200	72	FT	REMOVAL MISC.: JOINT SEALER	15
								72		72			516	31000	72	FT	JOINT SEALER	

GENERAL SUMMARY

MED / WAY - MICRO - FY2019

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SHEET NUM.								PART.					ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
6	7	8	9	12	13	14	16	01/S<2/PV	02/STR/PV	03/S<2/B R	04/STR/B R	05/S>2/PV						
							80			80			202	98200	80	FT	STRUCTURE REPAIR (MED-3-2.37)	15
							80			80			516	31000	80	FT	REMOVAL MISC.: JOINT SEALER JOINT SEALER	
							124				124		202	98200	124	FT	STRUCTURE REPAIR (WAY-57-1.05)	15
							124				124		516	31000	124	FT	REMOVAL MISC.: JOINT SEALER JOINT SEALER	
							88				88		202	98200	88	FT	STRUCTURE REPAIR (WAY-57-8.47)	15
							88				88		516	31000	88	FT	REMOVAL MISC.: JOINT SEALER JOINT SEALER	
		120					70	50					614	11110	120	HOUR	MAINTENANCE OF TRAFFIC LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		98					43	53				2	614	12460	98	EACH	WORK ZONE MARKING SIGN	
						30.54	16.4	13.82				0.32	614	21550	30.54	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
						848	848						614	23680	848	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
						648	522	126					614	26610	648	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
							LS	LS	LS	LS	LS		614	11000	LS		INCIDENTALS MAINTAINING TRAFFIC	
							1	1					619	16010	2	MNTH	FIELD OFFICE, TYPE B	
							LS	LS	LS	LS	LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
							LS	LS	LS	LS	LS		624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

MED / WAY - MICRO - FY 2019

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PLAN SPLIT	COUNTY	ROUTE	LOG POINT TO LOG POINT		LENGTH		AVERAGE WIDTH	TYPICAL	PAVEMENT AREA	421	423	897
					MILE	FEET						
			STRAIGHT LINE MILEAGE		FT	SY	SY	SY	SY			
01/S<2/PV	MED	3	0.00	0.05	0.05	264	31.0	1	909	909	909	69
01/S<2/PV	MED	3	0.05	1.80	1.75	9,240	26.0	1	26,693	26,693	26,693	
01/S<2/PV	MED	3	1.80	2.21	0.41	2,165	24.0	2	5,773	5,773	5,773	
01/S<2/PV	CONCRETE STRUCTURE MED-3-2.21				0.02	101	36.0					160
01/S<2/PV	MED	3	2.23	2.27	0.04	216	42.0	2	1,008	1,008	1,008	
01/S<2/PV	SUSPEND/RESUME AT CSX RAILROAD						42.0					187
01/S<2/PV	MED	3	2.27	2.37	0.10	528	42.0	2	2,464	2,464	2,464	
01/S<2/PV	CONCRETE STRUCTURE MED-3-2.37				0.02	87	40.0					178
01/S<2/PV	MED	3	2.39	2.41	0.02	124	40.0	2	551	551	551	
01/S<2/PV	MED	3	2.41	2.64	0.23	1,214	28.0	2	3,777	3,777	3,777	
01/S<2/PV	MED	3	2.64	2.70	0.06	317	37.0	1	1,303	1,303	1,303	
01/S<2/PV	MED	3	2.70	3.30	0.60	3,168	28.0	1	9,856	9,856	9,856	
01/S<2/PV	MED	3	3.30	3.42	0.12	634	50.0	1	3,522	3,522	3,522	
01/S<2/PV	MED	3	3.42	3.48	0.06	317	44.0	1	1,550	1,550	1,550	
01/S<2/PV	MED	3	3.48	3.80	0.32	1,690	28.0	1	5,258	5,258	5,258	62
02/STR/PV	WAY	57 NB	0.00	0.12	0.12	634	16.0	1	1,127	1,127	1,127	36
02/STR/PV	WAY	57	0.12	0.47	0.35	1,848	32.0	1	6,571	6,571	6,571	36
02/STR/PV	WAY	57	0.47	1.06	0.59	3,115	29.0	1	10,037	10,037	10,037	
02/STR/PV	CONCRETE STRUCTURE WAY-57-1.05				0.04	210	44.0					196
02/STR/PV	WAY	57	1.10	1.25	0.15	793	29.0	1	2,555	2,555	2,555	
01/S<2/PV	WAY	57	1.25	1.75	0.50	2,640	30.0	1	8,800	8,800	8,800	
01/S<2/PV	SUSPEND/RESUME AT WHEELING & LAKE ERIE RAILROAD						30.0					133
01/S<2/PV	WAY	57	1.75	2.13	0.38	2,006	30.0	1	6,687	6,687	6,687	
01/S<2/PV	WAY	57	2.13	2.20	0.07	370	29.0	2	1,192	1,192	1,192	
01/S<2/PV	WAY	57	4.82	5.00	0.18	950	30.0	1	3,167	3,167	3,167	
02/STR/PV	WAY	57	5.00	8.47	3.47	18,322	30.0	1	61,073	61,073	61,073	
02/STR/PV	CONCRETE STRUCTURE WAY-57-8.47				0.01	60	44.0					196
02/STR/PV	WAY	57	8.48	8.89	0.41	2,158	30.0	1	7,193	7,193	7,193	
02/STR/PV	WAY	57	8.89	10.66	1.77	9,346	32.0	1	33,230	33,230	33,230	
05/S>2/PV	WAY	57	10.66	10.82	0.16	845	32.0	1	3,004	3,004	3,004	71
SUBTOTAL (01/S<2/PV)										82,510	82,510	789
SUBTOTAL (02/STR/PV)										121,786	121,786	464
SUBTOTAL (05/S>2/PV)										3,004	3,004	71
TOTALS CARRIED TO THE GENERAL SUMMARY										207,300	207,300	1,324

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**PAVEMENT DATA**  
**MED / WAY - MICRO - FY 2019**  
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PLAN SPLIT	COUNTY	ROUTE	LOG POINT		LENGTH		AVERAGE WIDTH	TYPICAL	PAVEMENT AREA	421	421	421	421	421	421	423	QUANTITIES FOR ITEM 423 CRACK SEALING ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. ITEM 423 CRACK SEALING IS CONSIDERED INCIDENTAL TO THE COST OF ITEM 421 MICROSURFACING ACCORDING TO C&MS 421.16.	690	897		
			TO		MILE	FEET				FT	SY	MICROSURFACING, SURFACE COURSE (AT 24 LB/SY)	MICROSURFACING, SURFACE COURSE, AS PER PLAN (AT 24 LB/SY)	MICROSURFACING, SURFACE COURSE (AT 16 LB/SY)	MICROSURFACING, SURFACE COURSE, AS PER PLAN (AT 16 LB/SY)	MICROSURFACING, LEVELING COURSE (AT 14 LB/SY)		MICROSURFACING, LEVELING COURSE, AS PER PLAN (AT 14 LB/SY)	CRACK SEALING, MISC.: TYPE II OR TYPE III (INCIDENTAL TO ITEM 421)	SPECIAL - MISC.: TACK COAT MATERIAL FOR RESEARCH SECTIONS**	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (BUTT JOINTS) (TAPER 0.0" TO 0.5")
			LOG POINT									SY	SY	SY	SY	SY		SY	SY	GAL	SY
			STRAIGHT LINE MILEAGE																		
NORTHBOUND LANES																					
01/S<2/PV	WAY	3	26.17	26.30	0.13	686	14.5	3	1,105	1,105						1,105			32		
01/S<2/PV	WAY	3	26.30	26.45	0.15	792	14.5	3	1,276	1,276						1,276					
01/S<2/PV	WAY	3	26.45	26.61	0.16	845	14.5	3	1,361	1,361						1,361					
01/S<2/PV	WAY	3	26.61	26.77	0.16	845	14.5	3	1,361	1,361						1,361					
01/S<2/PV	WAY	3	26.77	26.93	0.16	845	14.5	3	1,361	1,361						1,361					
01/S<2/PV	WAY	3	26.93	27.06	0.13	686	14.5	3	1,105	1,105						1,105					
01/S<2/PV	WAY	3	27.06	27.09	0.03	158	12.5	3	219	219						219					
01/S<2/PV	WAY	3	27.09	27.25	0.16	845	12.5	3	1,174	1,174						1,174					
01/S<2/PV	WAY	3	27.25	27.30	0.05	264	13.0	4	381			381				381					
01/S<2/PV	WAY	3	27.30	27.41	0.11	581	18.5	4	1,194			1,194				1,194					
01/S<2/PV	WAY	3	27.41	27.56	0.15	792	18.5	4	1,628			1,628				1,628					
01/S<2/PV	WAY	3	27.56	27.72	0.16	845	18.5	4	1,737			1,737				1,737					
01/S<2/PV	WAY	3	27.72	27.85	0.13	686	18.5	4	1,410			1,410				1,410					
01/S<2/PV	WAY	3	27.85	27.88	0.03	158	21.0	4	369			369				369					
01/S<2/PV	WAY	3	27.88	28.00	0.12	634	21.0	4	1,479			1,479				1,479					
01/S<2/PV	SUSPEND/RESUME AT WHEELING & LAKE ERIE RAILROAD								21.0										93		
01/S<2/PV	WAY	3	28.00	28.04	0.04	211	18.0	4	422			422				422					
01/S<2/PV	WAY	3	28.04	28.07	0.03	158	18.0	4	316			316				316					
01/S<2/PV	SUSPEND/RESUME AT CSX RAILROAD								18.0										80		
01/S<2/PV	WAY	3	28.07	28.19	0.12	634	18.0	4	1,268			1,268				1,268					
01/S<2/PV	WAY	3	28.19	28.35	0.16	845	18.0	4	1,690			1,690				1,690			40		
NORTHBOUND SUBTOTAL (01/S<2/PV)										8,962		11,894		11,894		20,856			245		
SOUTHBOUND LANES																					
01/S<2/PV	WAY	3	26.17	26.30	0.13	686	14.5	3	1,105			1,105				1,105			33		
01/S<2/PV	WAY	3	26.30	26.45	0.15	792	14.5	3	1,276			1,276				1,276			32		
01/S<2/PV	WAY	3	26.45	26.61	0.16	845	14.5	3	1,361			1,361				1,361			41		
01/S<2/PV	WAY	3	26.61	26.77	0.16	845	14.5	3	1,361			1,361				1,361			82		
01/S<2/PV	WAY	3	26.77	26.93	0.16	845	14.5	3	1,361			1,361				1,361			136		
01/S<2/PV	WAY	3	26.93	27.06	0.13	686	14.5	3	1,105			1,105				1,105			111		
01/S<2/PV	WAY	3	27.06	27.09	0.03	158	12.5	3	219			219				219			22		
01/S<2/PV	WAY	3	27.09	27.25	0.16	845	12.5	3	1,174			1,174				1,174			35		
01/S<2/PV	WAY	3	27.25	27.30	0.05	264	13.0	4	381			381				381			23		
01/S<2/PV	WAY	3	27.30	27.41	0.11	581	18.5	4	1,194			1,194				1,194			72		
01/S<2/PV	WAY	3	27.41	27.56	0.15	792	18.5	4	1,628			1,628				1,628			104		
01/S<2/PV	WAY	3	27.56	27.72	0.16	845	18.5	4	1,737			1,737				1,737			127		
01/S<2/PV	WAY	3	27.72	27.85	0.13	686	18.5	4	1,410			1,410				1,410			33		
01/S<2/PV	WAY	3	27.85	27.88	0.03	158	21.0	4	369			369				369			177		
01/S<2/PV	WAY	3	27.88	28.00	0.12	634	21.0	4	1,479			1,479				1,479			93		
01/S<2/PV	SUSPEND/RESUME AT WHEELING & LAKE ERIE RAILROAD								21.0											51	
01/S<2/PV	WAY	3	28.00	28.04	0.04	211	18.0	4	422			422				422			28		
01/S<2/PV	WAY	3	28.04	28.07	0.03	158	18.0	4	316			316				316			80		
01/S<2/PV	SUSPEND/RESUME AT CSX RAILROAD								18.0										114		
01/S<2/PV	WAY	3	28.07	28.19	0.12	634	18.0	4	1,268			1,268				1,268			203		
01/S<2/PV	WAY	3	28.19	28.35	0.16	845	18.0	4	1,690			1,690				1,690			40		
SOUTHBOUND SUBTOTAL (01/S<2/PV)										8,962		11,894		11,894		20,856			1,392		
01/S<2/PV	EXTRA AREA FOR INTERSECTIONS (WAY-3-27.25 TO 28.35)								333											333	
TOTALS CARRIED TO THE GENERAL SUMMARY (01/S<2/PV)										8,962	8,962	11,894	11,894	11,894	11,894	41,712		1,392	823		

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PAVEMENT DATA

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\*\*SEE SHEET 7 FOR TACK COAT APPLICATION RATES

### AUXILIARY & LONG LINE MARKINGS

PLAN SPLIT	COUNTY	ROUTE	STATION / SLM			614			642, TYPE 1													643					644										
						WORK ZONE CENTER LINE, CLASS III, 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS III, 642 PAINT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	EDGE LINE, 6" (WHITE)	CENTER LINE		AUXILIARY MARKINGS (740.02)										SPECIAL	REMOVAL OF PAVEMENT MARKING (EXISTING EDGE LINES)	REMOVAL OF PAVEMENT MARKING (EXISTING CENTER LINES)	REMOVAL OF PAVEMENT MARKING (EXISTING STOP LINES)	REMOVAL OF PAVEMENT MARKING (EXISTING RAILROAD SYMBOL MARKINGS)	REMOVAL OF PAVEMENT MARKING (EXISTING AIR SPEED ZONE MARKINGS)	REMOVAL OF PAVEMENT MARKING (EXISTING CHANNELIZING LINES)	REMOVAL OF PAVEMENT MARKING (EXISTING STOP LINES)	REMOVAL OF PAVEMENT MARKING (EXISTING CROSSWALK LINES)	REMOVAL OF PAVEMENT MARKING (EXISTING TRANSVERSE LINES)	REMOVAL OF PAVEMENT MARKING (EXISTING RAILROAD SYMBOL MARKINGS)	REMOVAL OF PAVEMENT MARKING (EXISTING SCHOOL SYMBOL MARKINGS)	REMOVAL OF PAVEMENT MARKING (EXISTING PARKING LOT STALL MARKINGS)	REMOVAL OF PAVEMENT MARKING (EXISTING LANE ARROWS)	REMOVAL OF PAVEMENT MARKING (EXISTING AIR SPEED ZONE MARKINGS)	
										MILE	FT	FT	MILE	MILE	MILE	8"	24"	12"	24"	24"	RAILROAD SYMBOL MARKING																SCHOOL SYMBOL MARKING
01/S<2/PV	MED	3	0.00	3.80	3.80	7.60	848	292	5.92	6.901	3.80	424	146	445	188	410	2	480	6	1	5.92	3.80						424	146	745	410	2		480	6		
01/S<2/PV	WAY	3	26.17	28.35	2.18	6.54		156	2.16	3.005	2.18		52	214		669	2	2	330		1.08	2.16							52	214	669	2	2	330			
02/STR/PV	WAY	57	0.00	1.25	1.25	2.50		32	2.50	0.731	1.25		16								2.5	1.25															
01/S<2/PV	WAY	57	1.25	2.20	0.95	1.90		48	1.76	0.738	0.95		24				2				1.76	0.95			2												
01/S<2/PV	WAY	57	4.82	5.00	0.18	0.36		26	0.36	0.360	0.18		13								0.36	0.18		12													
02/STR/PV	WAY	57	5.00	10.66	5.66	11.32		94	11.32	4.395	5.66		279								11.32	5.66		80													
05/S>2/PV	WAY	57	10.66	10.82	0.16	0.32			0.32	0.040	0.16										0.32	0.16												1			
SUBTOTAL (01/S<2/PV)						16.40	848	522	10.20		7.11	424	235	659	188	1,079	6	2	810	6	1	9.12	7.09		12	2		424	235	959	1,079	6	2	810	6		
SUBTOTAL (02/STR/PV)						13.82		126	13.82		6.91		295										13.82	6.91		80											
SUBTOTAL (05/S>2/PV)						0.32			0.32		0.16												0.32	0.16			1										1
TOTALS TO GENERAL SUMMARY						30.54	848	648	24.34		14.18	424	530	659	188	1,079	6	2	810	6	1	23.26	14.16		92	2	1	424	530	959	1,079	6	2	810	6	1	

### RAISED PAVEMENT MARKERS

PLAN SPLIT	COUNTY	ROUTE	STATION/SLM		DETAIL	621		621				REMARKS	DETAIL	DESCRIPTION	
						RAISED PAVEMENT MARKER REMOVED	RPM	PRISMATIC RETRO-REFLECTOR TYPES							
								ONE-WAY	TWO-WAY						
FROM	TO	WHITE	YELLOW / YELLOW	WHITE / RED	YELLOW / RED	BLUE / BLUE	EACH		EACH	EACH	EACH	EACH	EACH	EACH	
01/S<2/PV	MED	3	0.00	0.80	GAP	53	53							1	MULTILANE UNDIVIDED TYPICAL SPACING
01/S<2/PV	MED	3	0.80	1.07	15	36	36							2	TAPERED ACCEL. LANE
01/S<2/PV	MED	3	1.07	1.80	GAP	48	48							3	DECELERATION LANE
01/S<2/PV	MED	3	3.78	3.80	GAP	2	2							4	PARALLEL ACCEL LANE
02/STR/PV	WAY	57	0.00	0.20	6	27	27	16	11					5	MULTILANE DIVIDED/EXPRESSWAY
02/STR/PV	WAY	57	0.20	1.25	GAP	68	68							6	STOP APPROACH
01/S<2/PV	WAY	57	1.25	2.20	GAP	99	99	32	67					7	2 LANE APPR. WITH TURN LANE
01/S<2/PV	WAY	57	4.82	5.00	GAP	45	45	32	13					8	THROUGH APPROACH
02/STR/PV	WAY	57	5.00	8.69	GAP	242	242		242					9	3 LANE APPR. WITH TURN LANE
02/STR/PV	WAY	57	8.69	9.09	6	54	54	32	22					10	3 LANE DIVIDED TO 2 LANE TRANSITION
02/STR/PV	WAY	57	9.09	10.12	GAP	70	70		70					11	3 LANE UNDIVIDED TO 2 LANE TRANSITION
02/STR/PV	WAY	57	10.12	10.46	8	22	22		22					12	TWO LANE NARROW BRIDGE
02/STR/PV	WAY	57	10.46	10.66	GAP	17	17		17					13	TWO WAY LEFT TURN LANE
05/S>2/PV	WAY	57	10.66	10.82	GAP	12	12		12					14	ONE LANE BRIDGE
SUBTOTAL (01/S<2/PV)						283	283							15	HORIZONTAL CURVE
SUBTOTAL (02/STR/PV)						500	500							16	HORIZONTAL CURVE ALT.
SUBTOTAL (05/S>2/PV)						12	12							17	STOP APPROACH ALT.
TOTALS TO GENERAL SUMMARY						795	795							18	FIRE HYDRANT

NOTES

1) THRU LANES SHALL BE STRIPED AT EXISTING WIDTHS AND ACCORDING TO CMS 641.08A.

2) FOR ALL WORK ZONE MARKINGS, THE 642 PAINT USED SHALL BE TYPE 1.

3) WORK ZONE STOP LINES SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:  
 E GREENWICH RD US 30  
 MAIN ST SR 585  
 CSX RR  
 WHEELING & LAKE ERIE RR  
 BACK MASSILLON RD

4) BEFORE APPLYING ITEM 421, REMOVE EXISTING PAVEMENT MARKINGS THAT ARE NOT ITEM 642 PAINT.

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PAVEMENT MARKING / RPM SUB-SUMMARY

CALCULATED JLL CHECKED KRB

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**EXISTING STRUCTURE VERIFICATION**

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

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

**EXISTING PLANS**

THE FOLLOWING EXISTING PLANS MAY BE INSPECTED IN THE ODOT DISTRICT 3 OFFICE IN ASHLAND, OHIO:

STRUCTURE NAME:	EXISTING PLAN NAME:	DATE:
MED-3-2.20	WAY-3-2.21	2013
MED-3-2.37	WAY-3-26.12, MED-3-0.00	2013
WAY-57-1.05	WAY-57-0.03	2012
WAY-57-8.47	WAY-57-0.03	2012

**DESIGN SPECIFICATIONS**

DESIGN SPECIFICATIONS: THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2002, INCLUDING THE 2003-2007 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL.

**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.

**PAVING AT STRUCTURES**

STRUCTURES MED-3-2.20, MED-3-2.37, WAY-57-1.05, WAY-57-8.47 SUSPEND AND RESUME AT CONCRETE BRIDGE DECK AND APPROACH SLABS.

STRUCTURES WAY-3-27.19, WAY-57-5.24 MICROSURFACING SAME AS ROADWAY.

**ITEM 202 - REMOVAL MISC.: JOINT SEALER**

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING JOINT SEALER LOCATED BETWEEN THE APPROACH SLAB AND THE DECK OR BACKWALL.

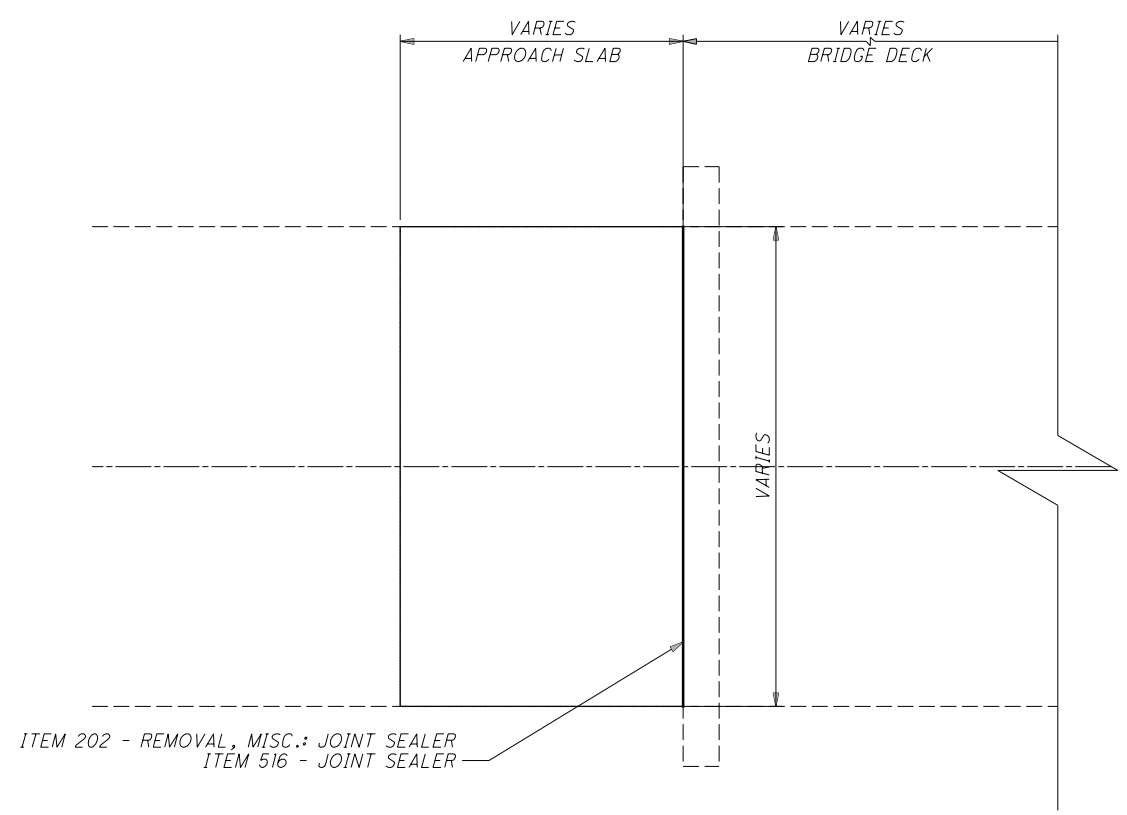
PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER FOOT FOR THE ABOVE ITEM, WHICH WILL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

CALCULATED  
JLL  
CHECKED  
KRB

STRUCTURE NOTES

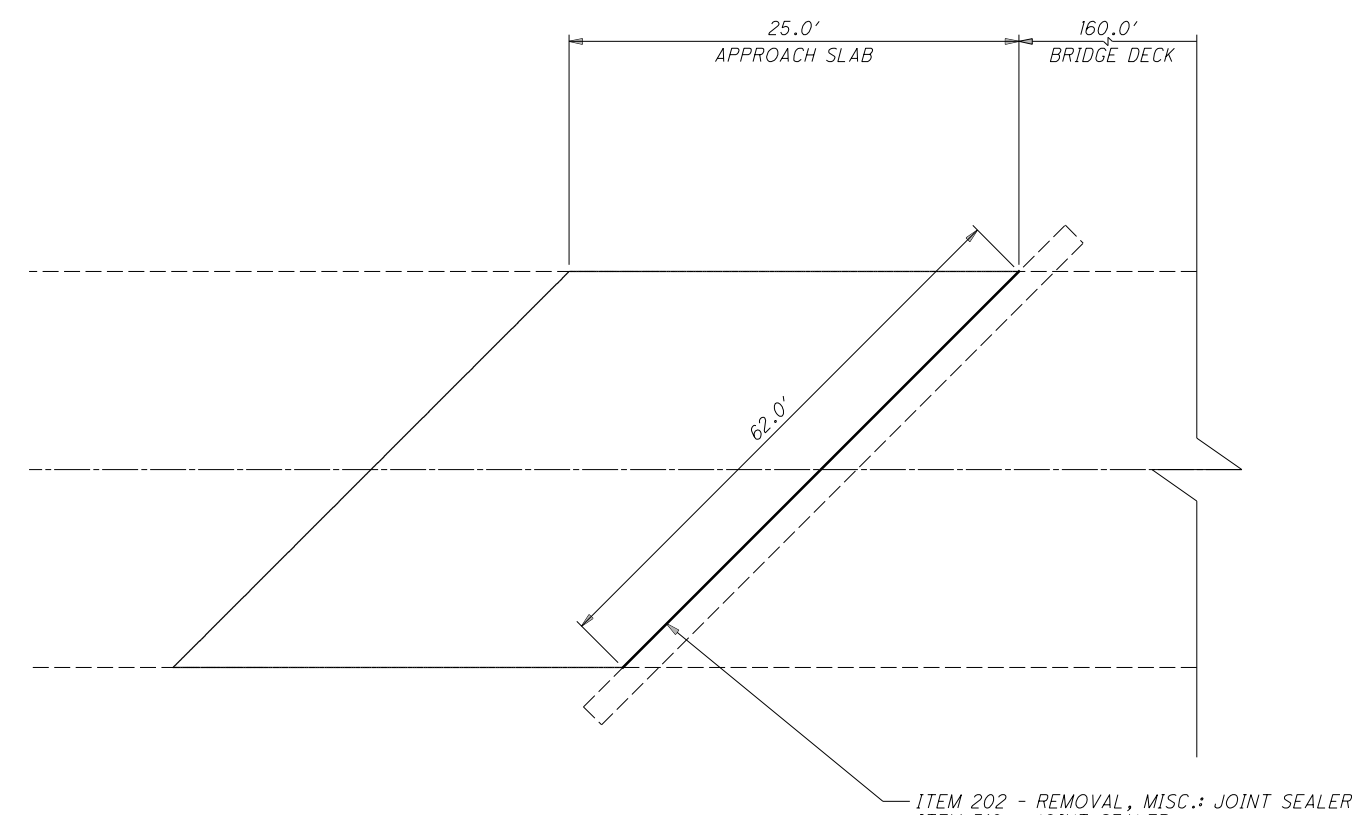
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PLAN VIEW

STRUCTURE MED-3-2.20  
STRUCTURE MED-3-2.37  
STRUCTURE WAY-57-8.47



PLAN VIEW

STRUCTURE WAY-57-1.05

ITEM	EXTENSION	DESCRIPTION	UNIT	MED-3-2.20 SFN:5200024 (03/S<2/BR)	MED-3-2.37 SFN:5200067 (03/S<2/BR)	WAY-57-1.05 SFN:8502587 (04/STR/BR)	WAY-57-8.47 SFN:8502676 (04/STR/BR)
202	98200	REMOVAL, MISC.: JOINT SEALER	FT	72	80	124	88
516	31000	JOINT SEALER	FT	72	80	124	88

ALL QUANTITIES CARRIED TO THE GENERAL SUMMARY

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