

UTILITIES

THERE ARE NO EXISTING UNDERGROUND UTILITY FACILITIES SHOWN ON THE PLANS, NOR WILL ANY EXISTING UNDERGROUND UTILITY FACILITIES BE RELOCATED FOR THE PROJECT. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY UTILITIES THAT MAY EXIST WITHIN THE WORK AREA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY POTENTIAL UTILITY CONFLICTS, BY VISUAL INSPECTION AND BY CONTACTING THE OHIO UTILITIES PROTECTION SERVICE (OHIO 811) FOR FIELD MARKINGS OF THE UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE OWNERS TO RESOLVE ALL UTILITY CONFLICTS PRIOR TO CONSTRUCTION OR, WITH THE APPROVAL OF THE PROJECT ENGINEER, THE CONTRACTOR SHALL ADJUST THE PROJECT CONSTRUCTION ACCORDINGLY, SO AS TO AVOID DAMAGE TO THE EXISTING UTILITY FACILITIES. THE UTILITY CONTACT INFORMATION FOR THE PROJECT CAN BE OBTAINED THROUGH THE ODOT DISTRICT 9 UTILITY COORDINATOR AT 740-774-9055.

WINDOW CONTRACT TABLE

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE	DISINCENTIVE (\$ PER DAY)
ALL WORK ON PROJECT	90	\$1,500

PROFILE AND ALIGNMENT

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

RPM

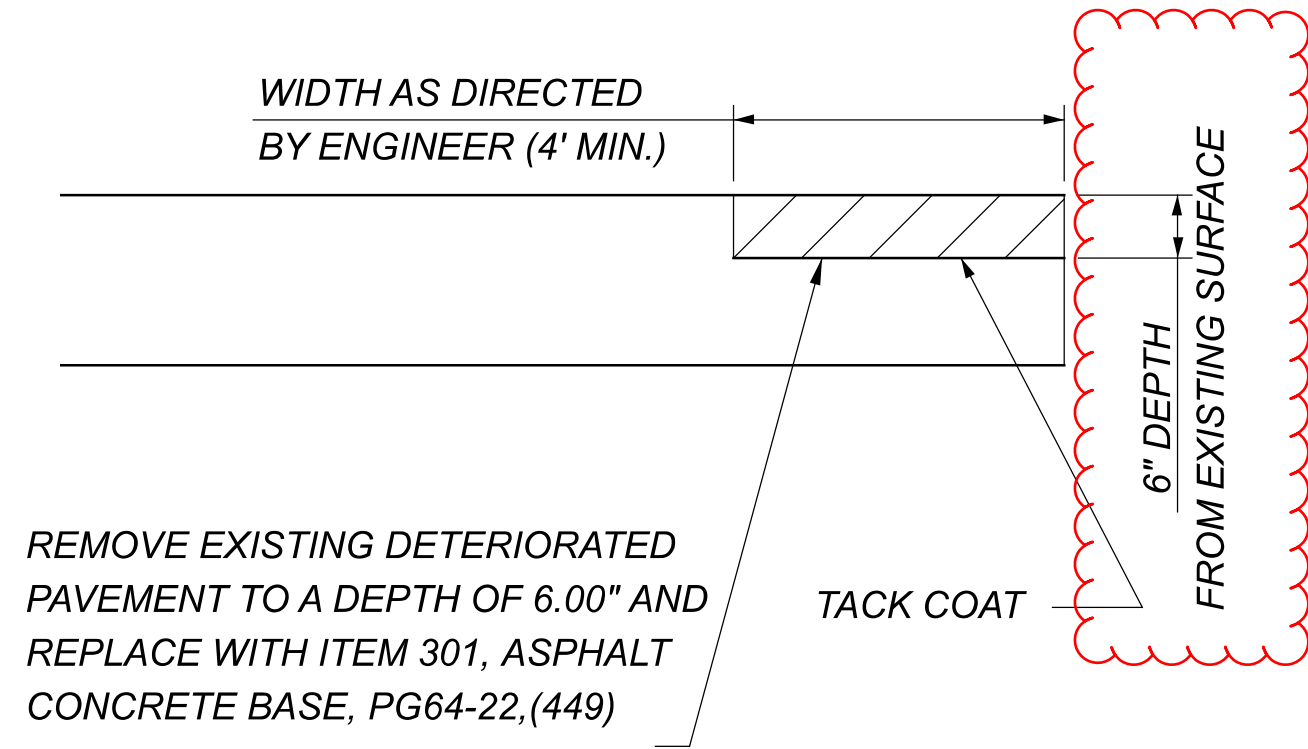
IN ADDITION TO CMS 621.03, RPMs SHALL NOT BE INSTALLED ON BRIDGES OR APPROACH SLABS THAT HAVE A CONCRETE SURFACE. INSTALL RPMs IN ASPHALT CONCRETE BEFORE AND AFTER THE SUPERSTRUCTURE. RPM'S LOCATED IN EXISTING CONCRETE BRIDGE DECKS OR APPROACH SLABS SHALL BE LEFT IN PLACE.

INSTALL NEW RPMs IN ACCORDANCE WITH ODOT STANDARD DRAWINGS TC-65.10 AND TC-65.11.

DISPOSAL OF ASPHALT GRINDINGS

ASPHALT GRINDINGS FROM THIS PROJECT ARE TO BECOME THE PROPERTY OF THE CONTRACTOR. MATERIALS SHALL BE DISPOSED OF ACCORDING TO CMS 105.16 & 105.17. ENSURE APPROVAL HAS BEEN RECEIVED AND ALL DOCUMENTS HAVE BEEN PROVIDED PRIOR TO REMOVAL OF MATERIALS FROM THE PROJECT.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN



THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED AND CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN

01/NHS	TOTALS:	1500 SY
	TOTALS:	1500 SY

ITEM 254- PATCHING PLANED SURFACE

THIS ITEM SHALL BE IN ACCORDANCE WITH SECTION 254 OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR THE FOLLOWING WORK: ITEM 254 PATCHING PLANED SURFACE 36,453 SY

PLACEMENT OF PAVEMENT

UNLESS AN ALTERNATIVE SEQUENCE IS APPROVED BY THE ENGINEER, COMPLETE THE MILL AND FILL OPERATIONS IN A LANE BEFORE MILLING THE ADJACENT LANE TO ELIMINATE UNCONFINED LONGITUDINAL JOINTS WHEREVER POSSIBLE.

COMPLETION DATES FOR PAVEMENT PLANING

TRAFFIC SHALL NOT BE REQUIRED TO USE ANY PLANED ROADWAY SURFACE FOR MORE THAN 21 DAYS DURING CONSTRUCTION OF THIS PROJECT UNLESS OTHERWISE APPROVED BY THE ENGINEER.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN

BEFORE STARTING THIS PAVEMENT PLANING WORK, IN ORDER TO MAINTAIN THE VERTICAL CLEARANCE UNDER STRUCTURES ROS-35-4.76 SFN (7104103, ROS-35-7.74 SFN (7101570), ROS-35-9.07 SFN (7101619) THE CONTRACTOR SHALL ESTABLISH THE EXISTING PAVEMENT ELEVATIONS AT THE CENTER LINE AND BOTH EDGE LINES AT A MINIMUM OF 10 FT INTERVALS STARTING 50 FEET PRIOR TO THE STRUCTURE AND CONTINUING TO 50 FEET PAST THE STRUCTURE.

AFTER COMPLETION OF THE ASPHALT CONCRETE SURFACE COURSE,THE CONTRACTOR SHALL ESTABLISH THE COMPLETED ELEVATIONS AT THE LANE LINE AND AT BOTH EDGE LINES FOR THE SAME LOCATIONS THAT THE EXISTING ELEVATIONS WERE TAKEN. THE CONTRACTOR SHALL PERFORM CORRECTIVE WORK TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST WHEN THE COMPLETED ELEVATIONS ARE HIGHER THAN THE EXISTING ELEVATIONS.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE B

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

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

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

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

DESIGN AGENCY



DESIGNER

JBS

REVIEWER

MCM 02-10-26

PROJECT ID

123784

SHEET

P.3

TOTAL

17

GENERAL SUMMARY	
DESIGN AGENCY	
	
DESIGNER	JBS
REVIEWER	MCM 02-10-26
PROJECT ID	123784
SHEET	TOTAL
P.9	17

LOCATION					PAVEMENT DATA								442	407	254	254				
COUNTY-ROUTE DIRECTION	LOG POINT		LENGTH		PAVEMENT WIDTH	PAVEMENT AREA	SHOULDER WIDTH		SHOULDER AREA	CADD MEASURED ADDT'L PAVEMENT AREA	TOTAL PAVEMENT AREA		ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (447), PWL, 2025, AS PER PLAN	TACK COAT (0.09 GAL./SQ. YD.)	PAVEMENT PLANING, ASPHALT CONCRETE	PAVEMENT PLANING, ASPHALT CONCRETE AS PER PLAN				COMMENTS
													1.5"		1.5"					
	SLM	TO SLM	MILES	FT	FT	SY	FT	FT	SY	SY	SY		CY	GAL	SY	SY				
ROS-35 EASTBOUND	4.4800	4.5560	0.0760	401.28	36	1,649.71	0.5	0.5			1,649.71		68.74	148.47		1,650				MAINTAIN VERTICAL CLEARANCE OF OVER PASS
	4.5560	5.0400	0.4840	2,555.52	24	7,098.67	0.5	0.5			7,098.67		295.78	638.88	7,098.67					
	5.040	5.175	0.1350	712.80	45	3,643.20	0.5	0.5			3,643.20		151.80	327.89	3,643.20					
	5.175	6.745	1.5700	8,289.60	24	23,026.67	0.5	0.5			23,026.67		959.44	2,072.40	23,026.67					
	6.7450	6.7690																		SUSPEND AND RESUME AT APPROACH SLAB
	6.7690	7.4680	0.6990	3,690.72	24	10,252.00	0.5	0.5			10,252.00		427.17	922.68	10,252.00					
	7.4680	7.5800	0.1120	591.36	38	2,562.56	0.5	0.5			2,562.56		106.77	230.63		2,562.56				MAINTAIN VERTICAL CLEARANCE OF OVER PASS
	7.5800	8.0170	0.4370	2,307.36	24	6,409.33	0.5	0.5			6,409.33		267.06	576.84	6,409.33					
	8.0170	8.1600	0.1430	755.04	42	3,607.41	0.5	0.5			3,607.41		150.31	324.67	3,607.41					
	8.1600	8.6850	0.5250	2,772.00	24	7,700.00	0.5	0.5			7,700.00		320.83	693.00	7,700.00					
	8.6850	8.6980	0.0130																	SUSPEND AND RESUME AT APPROACH SLAB
	8.6980	9.0700	0.3720	1,964.16	24	5,456.00	0.5	0.5			5,456.00		227.33	491.04		5,456.00				MAINTAIN VERTICAL CLEARANCE OF OVER PASS
	9.0700	10.2290	1.1590	6,119.52	24	16,998.67	0.5	0.5			16,998.67		708.28	1,529.88	16,998.67					
ROS-35 WESTBOUND	4.4800	4.5560	0.0760	401.28	36	1,649.71	0.5	0.5			1,649.71		68.74	148.47	1,649.71					
	4.5560	5.0400	0.4840	2,555.52	24	7,098.67	0.5	0.5			7,098.67		295.78	638.88		7,098.67				MAINTAIN VERTICAL CLEARANCE OF OVER PASS
	5.040	5.175	0.1350	712.80	45	3,643.20	0.5	0.5			3,643.20		151.80	327.89	3,643.20					
	5.175	6.745	1.5700	8,289.60	24	23,026.67	0.5	0.5			23,026.67		959.44	2,072.40	23,026.67					
	6.7450	6.7690																		SUSPEND AND RESUME AT APPROACH SLAB
	6.7690	7.4680	0.6990	3,690.72	24	10,252.00	0.5	0.5			10,252.00		427.17	922.68	10,252.00					
	7.4680	7.5800	0.1120	591.36	38	2,562.56	0.5	0.5			2,562.56		106.77	230.63		2,562.56				MAINTAIN VERTICAL CLEARANCE OF OVER PASS
	7.5800	8.0170	0.4370	2,307.36	24	6,409.33	0.5	0.5			6,409.33		267.06	576.84	6,409.33					
	8.0170	8.1600	0.1430	755.04	42	3,607.41	0.5	0.5			3,607.41		150.31	324.67	3,607.41					
	8.1600	8.6850	0.5250	2,772.00	24	7,700.00	0.5	0.5			7,700.00		320.83	693.00	7,700.00					
	8.6850	8.6980	0.0130																	SUSPEND AND RESUME AT APPROACH SLAB
	8.6980	9.0700	0.3720	1,964.16	24	5,456.00	0.5	0.5			5,456.00		227.33	491.04	5,456.00	5,456.00				MAINTAIN VERTICAL CLEARANCE OF OVER PASS
	9.0700	10.2290	1.1590	6,119.52	24	16,998.67	0.5	0.5			16,998.67		708.28	1,529.88	16,998.67					
ROS-35 EASTBOUND RAMP																				
SR 138 RAMP D	4.5510									2817.00	2817.00		117.38	253.53	2817.00					
SR 138 RAMP C	5.0400									2617.00	2617.00		109.04	235.53	2617.00					
ROS-35 WESTBOUND RAMP																				
SR 138 RAMP A	4.5510									2622.00	2622.00		109.25	235.98	2622.00					
SR 138 RAMP B	5.0400									2498.00	2498.00		104.08	224.82	2498.00					
ROS-35 EASTBOUND RAMP																				
CR 87 RAMP H	7.5770									2537.00	2537.00		105.71	228.33	2537.00					
CR 87 RAMP G	8.0170									3000.00	3000.00		125.00	270.00	3000.00					
ROS-35 WESTBOUND RAMP																				
CR 87RAMP E	7.5770									2891.00	2891.00		120.46	260.19	2891.00					
CR 87 RAMP F	8.0170									2641.00	2641.00		110.04	237.69	2641.00					
THIS SHEET TOTALS													8,267.98	17,858.83	179,101.93	24,785.49				
TOTALS CARRIED TO GENERAL SUMMARY													8,268	17,859	179,102	24,785				

PAVEMENT CALCULATIONS

DESIGN AGENCY

DESIGNER

JBS

REVIEWER

MCM 02-10-26

PROJECT ID

123784

SHEET

P.11

TOTAL

17