

**UTILITIES**

THERE ARE NO UTILITIES SHOWN OR MARKED WITHIN THESE PLANS, THEREFORE BEFORE ANY CONSTRUCTION WORK BEGINS, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY EACH LOCATION AND CONTACT BOTH UNDERGROUND UTILITY SERVICES LOCATED AT THE BOTTOM LEFT CORNER OF THE TITLE SHEET.

**EXISTING PLANS**

EXISTING PLANS ENTITLED CLA-70-13.98 MAY BE INSPECTED IN THE ODOT DISTRICT 7 OFFICE IN SIDNEY, OHIO.

**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.

**CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN**

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DOCUMENT THE LAYOUT OF THE EXISTING PAVEMENT INCLUDING EXISTING ALIGNMENT, PROFILE, PAVEMENT EDGE LOCATIONS AND ELEVATIONS FOR SR 54 SLM 5.61 TO 5.78 IN A LOG AND SUBMIT TO THE DEPARTMENT FOR ACCEPTANCE. THE DEPARTMENT WILL NOT ALLOW THE CONTRACTOR TO PERFORM ANY FULL DEPTH PAVEMENT WORK FUNCTIONS UNTIL ACCEPTANCE OF THE SUBMITTED EXISTING PAVEMENT LOG.

THE CONTRACTOR SHALL COORDINATE AND CORBORATE THE PROPOSED LAYOUT OF ALL PAVEMENT OF APPLICABLE STANDARD CONSTRUCTION DRAWINGS WITH ODOT.

**PAVEMENT MARKINGS**

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DOCUMENT THE LAYOUT OF THE EXISTING PAVEMENT MARKINGS INCLUDING EXISTING LANE AND SHOULDER WIDTHS IN A LOG AND SUBMIT TO THE DEPARTMENT FOR ACCEPTANCE. THE DEPARTMENT WILL NOT ALLOW THE CONTRACTOR TO PERFORM ANY PAVEMENT WORK FUNCTIONS (MILLING, OVERLAY, ETC.) UNTIL ACCEPTANCE OF THE SUBMITTED EXISTING MARKING LOG.

MARKINGS SHALL BE REPLACED IN KIND EXCEPT WHERE EXISTING MARKINGS DO NOT MEET THE CURRENT STANDARD CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL COORDINATE AND CORBORATE THE PROPOSED LAYOUT OF ALL PAVEMENT MARKINGS PER APPLICABLE STANDARD CONSTRUCTION DRAWINGS WITH ODOT.

NO PERMANENT PAVEMENT MARKINGS OR RAISED PAVEMENT MARKERS SHALL BE PLACED UNTIL THE ODOT PROJECT ENGINEER HAS APPROVED THE LOCATION AND/OR LAYOUT OF THE WORK ZONE PAVEMENT MARKINGS.

**PAVEMENT MARKINGS ON INTERSECTING ROADWAYS**

THE EDGE LINE SHALL BE CONTINUED AROUND ALL RADII TO MATCH THE EXISTING EDGE LINE OF THE INTERSECTING ROUTE. IF THE INTERSECTING ROUTE HAS A CENTER LINE MARKING, THE CENTER LINE SHALL BE RE-STRIPED OVER THE AREA OF RESURFACING.

**ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING**

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.

2. EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5 AND SOIL WITH A LIQUID LIMIT GREATER THEN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO 204.05.

IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

3. COMPACT THE SUBGRADE ACCORDING TO 204.03.

4. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.

PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO 204.06.

5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.

6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO 204.06 TO VERIFY STABILITY.

7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADES AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204 EXCAVATION OF SUBGRADE.

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLANS FOR AREAS OF UNSUITABLE AND UNSTABLE SUBGRADE:

- ITEM 204 - EXCAVATION OF SUBGRADE - 33 CY
- ITEM 204 - GRANULAR MATERIAL, TYPE C - 33 CY
- ITEM 204 - GEOTEXTILE FABRIC - 100 SY

**ITEM 204 - PROOF ROLLING**

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 3 HOURS.

**ITEM 605 - AGGREGATE DRAINS**

THE FOLLOWING QUANTITY IS INCLUDED IN THE PLANS TO INSTALL AGGREGATE DRAINS ALONG SR 54

ITEM 605 - AGGREGATE DRAINS - 800 FT

**ITEM 202, ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN**

THE REMOVAL OF THIS ITEM 202, ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN SHALL INCLUDE ALL GUARDRAIL RELATED ITEMS, INCLUDING THE COMPLETE REMOVAL AND DISPOSAL OFF SITE, OF THE CONCRETE ANCHOR PAD AT THE END OF THE TYPE A ANCHOR, AND EMBANKMENT MATERIAL TO FILL THE VOID OF THE REMOVAL. ALL WORK, LABOR, EQUIPMENT, MATERIAL, NECESSARY TO COMPLETE THIS ITEM OF WORK SHALL BE INCLUDED IN THE UNIT PRICE BID EACH FOR ITEM 202, ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN.

**ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE J ASTM D4956 TYPE XI REFLECTIVE SHEETING, PER CMS 730.193.

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. 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.

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.

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

**INSTALLATION OF GUARDRAIL**

THE GUARDRAIL SHALL BE REPLACED WHEN SR 54 IS CLOSED TO TRAFFIC FOR PAVEMENT REMOVAL AND REPLACEMENT.

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GENERAL NOTES

CLA - 54 - 0.00

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SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED	TMK	CHECKED	CWW
		4	5	6	11	12	13	15	16	19	20	22	01/STR/PV		EXT	TOTAL							
				24									24	614	11110	24	HOUR	<b>MAINTENANCE OF TRAFFIC</b>					
				LS									LS	614	12420	LS		LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE					
										49			49	614	12460	49	EACH	DETOUR SIGNING					
										13.06			13.06	614	21100	13.06	MILE	WORK ZONE MARKING SIGN					
										90			90	614	23680	90	FT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT					
										600			600	614	26610	600	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT					
										3			3	614	30650	3	EACH	WORK ZONE STOP LINE, CLASS III, 642 PAINT					
										4			4	614	32210	4	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT					
																		WORK ZONE RAILROAD SYMBOL MARKING, CLASS III, 642 PAINT					
																		<b>INCIDENTALS</b>					
														LS	614	11000	LS	MAINTAINING TRAFFIC					
														LS	623	10001	LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN				5	
														LS	624	10000	LS	MOBILIZATION					

GENERAL SUMMARY

CLA - 54 - 0.00