

# NOTES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

2  
8

LAKE COUNTY  
LAK.-90-22.43

DETAILS AND DIMENSIONS OF THE WALL SHALL CONFORM TO THOSE MANUFACTURED BY "ARMCO DRAINAGE AND METAL PRODUCTS INC.", OR "REPUBLIC STEEL" DESIGN C, OR AN APPROVED METAL EQUIVALENT.

**CONSTRUCTION LAYOUT STAKES:**

SEE NOTE IN PROPOSAL DESCRIBING THE WORK INCLUDED IN THIS LUMP SUM PAY ITEM.

**ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS:**

THE ROUNDED CORNERS SHOWN ON THE TYPICAL SECTIONS, APPLY TO ALL CROSS SECTIONS EVEN THOUGH OTHERWISE SHOWN ON THESE PLANS.

**GUARDRAIL:**

EXISTING GUARDRAIL WHICH MUST BE REMOVED TO PLACE THE BIN WALL OR TO FACILITATE CONSTRUCTION OPERATIONS SHALL BE REMOVED FOR RE-USE AND REBUILT AT NO ADDITIONAL COST TO THE STATE. THE LIMITS OF REMOVAL AND REBUILDING SHALL BE AS DIRECTED BY THE ENGINEER. COST SHALL BE INCLUDED IN UNIT PRICE BID FOR ITEM 610.

**WATER POLLUTION, SOIL EROSION & SILTATION CONTROL:**

THE FOLLOWING QUANTITIES ARE TO BE USED FOR EROSION AND SILTATION CONTROL MEASURES.

ITEM SPECIAL	TEMPORARY SEEDING	800	SQ.YDS.
ITEM 659	COMMERCIAL FERTILIZER	.04	TON
ITEM SPECIAL	WATER	1.7	M.GAL.

**AGRICULTURAL LIMING, AS PER PLAN:**

THE LOCATION AND NEED FOR AGRICULTURAL LIMING WILL BE DETERMINED BY LABORATORY TEST, AFTER ROUGH GRADING OPERATIONS HAVE BEEN PERFORMED. QUANTITIES OF AGRICULTURAL LIMING, AS SHOWN ON THE PLANS, ARE SUFFICIENT FOR THE ENTIRE PROJECT, BUT WILL BE NON-PERFORMED IF TESTS SHOW THAT THE LIMING IS NOT REQUIRED.

**TRAFFIC MAINTENANCE:**

NO TRAFFIC SHALL BE ALLOWED ON THE RIGHT WESTBOUND LANE.

**CONNECTION TO EXISTING PIPE:**

WHERE NEW PIPE IS SHOWN CONNECTING TO EXISTING PIPE AN MC-4 MASONRY COLLAR SHALL BE PROVIDED AS A PART OF THE UNIT PRICE BID FOR ITEM 603.

**ITEM 503 SHEETING**

APPROX. 1200 S.F. MAY BE NEEDED

## GENERAL SUMMARY

SHEET NO		ITEM	TOTAL	UNIT	DESCRIPTION
2	3				
		201	LUMP	LUMP	CLEARING AND GRUBBING
		1096	203	1096	C.Y. EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION
		289	203	289	C.Y. EMBANKMENT, <i>as per plan</i>
8		301	8	C.Y.	BITUMINOUS AGGREGATE BASE 702.01 (85-100 OR AC-20) OR 702.09 RT-12 or II
19		304	19	C.Y.	AGGREGATE BASE
14		310	14	C.Y.	SUBBASE, GRADING A
		503	LUMP	LUMP	COFFERDAMS, SHEETING, AND PILING
53		518	53	L.F.	6" PERF. HELICAL C.M.P. 707.01 INCLUDING SPECIALS
84		518	84	L.F.	6" NON-PERF. HELICAL C.M.P. 707.01, INCLUDING SPECIALS
8		518	8	C.Y.	POROUS BACKFILL
13		601	13	C.Y.	DUMPED ROCK CHANNEL PROTECTION, TYPE B
0.2		602	0.2	C.Y.	CONCRETE MASONRY
5		603	5	L.F.	8" TYPE B CONDUIT
57		605	57	L.F.	6" PIPE UNDERDRAIN, SHALLOW, 706.07, 706.09. <i>as per plan</i>
974		610	974	S.F.	CELLULAR RETAINING WALL AS PER PLAN
800		659	800	S.Y.	SEEDING AND MULCHING
0.4		659	0.4	TON	AGRICULTURAL LIMING
0.04	0.07	659	0.11	TON	COMMERCIAL FERTILIZER (12-12-12)
800		207	800	S.Y.	TEMPORARY SEEDING & MULCHING
1.7		207	1.7	M.GAL.	WATER
		614	LUMP	LUMP	MAINTAINING TRAFFIC
		623	LUMP	SUM	CONSTRUCTION LAYOUT STAKES