

GRADING REPORT

COMPUTED BY: MONTY ROBINSON, PE
 CHECKED BY: JOSEPH DELORENZO, PE
 FEDERAL PROJECT NO: BRZ-1185(4)
 ROUTE NO. OR STREET: OLD LOWER RIVER ROAD

SHEET 1 OF 4
 STATE NO.: 06946-3435-94
 PIN: 124677.00
 COUNTY: BRADLEY

ESTIMATED GRADING QUANTITIES						
DESCRIPTION	UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY		
	EXC.	EMB.	EXC.	SHRINK = 15 % SWELL = 15 %		
MAINLINE	1254	11	1066	EXC.	VS.	EMB.
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES	1	6	1			
ROADSIDE SLOPES & DITCHES	106		91			
TEMPORARY CONSTRUCTION EXITS						
SIDE ROADS						
TOPSOIL (EMB.)						
TOPSOIL (EXC.)	192					
TOPSOIL TOTALS (SEE TOPSOIL TABLE)				AVAILABLE	=	1183
ROCK (C.Y.)	TOTALS (C.Y.)			WASTE MATERIAL	=	1361
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC. (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
30	588	1553	17	1523	1331	1166
						BORROW ROCK = 677

OLD LOWER RIVER ROAD						
STATION	CUT			FILL		
	(L & R)	(LEFT)	(RIGHT)	(LEFT & RIGHT)		
	ROCK	EARTH	EARTH	EARTH	GSR*	RIPRAP
	(CY)	(CY)	(CY)	(CY)	(TON)	(TON)
	203-01.29	203-01	203-01	203-03	203-02.01	709-05.09
20+00.00	0.00	0.00	0.00	0.00	0.00	0.00
20+27.28	0.00	5.00	5.31	0.00	52.59	0.00
20+50.00	0.42	5.86	13.10	0.00	118.95	0.00
20+93.00	5.91	8.78	22.58	0.00	216.23	0.00
21+00.00	1.67	1.35	2.41	0.00	33.85	0.00
21+28.65	5.13	8.73	5.45	0.00	148.75	0.00
21+50.00	5.19	17.99	0.00	0.00	124.05	0.00
21+65.72	4.13	25.72	2.83	0.00	88.94	0.00
21+79.57	3.11	27.40	12.80	0.00	62.73	35.00
22+00.00	2.31	20.79	31.20	0.00	18.44	141.79
22+30.50	1.31	0.00	25.54	0.00	0.00	134.61
22+37.01	0.16	0.00	0.00	0.00	0.00	0.00
22+50.00	0.04	0.00	0.00	0.00	0.00	0.00
22+54.01	0.00	0.00	0.00	0.00	0.00	0.00
23+46.48	0.00	0.00	0.00	0.00	0.00	0.00
23+50.00	0.00	0.00	0.00	0.00	0.00	0.00
23+68.77	0.00	20.35	0.00	0.00	0.00	0.00
23+87.24	0.00	33.93	23.78	0.00	0.00	109.87
23+89.29	0.00	4.51	5.40	0.00	0.00	25.32
24+00.00	0.00	28.98	30.53	0.00	0.00	129.09

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24+09.88	0.00	30.85	29.05	0.00	0.00	110.22	
24+50.00	0.00	131.47	57.69	0.00	0.00	332.22	
24+57.24	0.00	29.14	0.00	0.00	0.00	39.75	
25+00.00	0.00	189.06	0.00	0.00	172.13	287.43	
25+29.00		2856.00			3514.00		**
25+50.00	0.00		31.94	0.00		199.73	**
26+00.00	0.00		64.72	0.00		0.00	**
26+17.92	0.00		25.74	0.00		0.00	**
26+50.00	0.00		59.56	0.00		0.00	**
26+90.11	0.00		80.32	0.00		0.00	**
27+00.00	0.00		18.55	0.00		0.00	**
27+50.00	0.00		72.61	4.40		0.00	**
27+60.12	0.00	6.90	9.12	2.01	74.40	0.00	***
28+00.00	0.00	0.00	27.61	4.43	0.00	0.00	
DITCH CUT =			106.00				
TOTALS =	30	3453	764	11	4626	1546	
	203-01.29	203-01	203-01	203-03	203-02.01	709-05.09	
	(CY)	(CY)	(CY)	(CY)	(TON)	(TON)	

* GSR = GRADED SOLID ROCK

** SLIDE AREA FROM GEO QTY FOR ITEMS 203-01 & 203-02.01

*** 50 TONS OF CL 'B' RIPRAP AT PIPE OUTALL AT STA 27+60.12

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