

GRADING REPORT

COMPUTED BY: Xincheng Zhang
 CHECKED BY: Eric Kim, P.E.
 FEDERAL PROJECT NO: ER-STP-37(32)
 ROUTE NO. OR STREET: SR 37

SHEET 1 OF 4
 STATE NO.: 10S037-M3-006
 PIN:135866-58
 COUNTY: CARTER

ESTIMATED GRADING QUANTITIES					
DESCRIPTION	UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY	
	EXC.	EMB.	EXC.	SHRINK = 5 %	SWELL = 5 %
MAINLINE	1148		1091		
SIDE ROADS					
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES				EXC.	EMB.
INDEPENDENT DITCHES					
TEMPORARY CONSTRUCTION EXITS	21		20	1111	VS. 0
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)					
TOPSOIL (EMB.)				AVAILABLE	= 1111
TOPSOIL (EXC.)					
TOPSOIL TOTALS (SEE TOPSOIL TABLE)				WASTE MATERIAL	= 1167
ROCK (C.Y.)		TOTALS (C.Y.)			
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC. (COMMON)	EXC. (AVAIL.)
0	0	1169	0	1169	1169
					1111

Mainline: SR-37 (US-11E)

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)
003+60.00	Earth		
	Excavation	0	0
	Fill	0	0
	Rock		
003+80.00	Earth		
	Excavation	47.71	17.67
	Fill	0	0
	Rock		
004+00.00	Earth		
	Excavation	33.62	30.12
	Fill	0	0
	Rock		
004+20.00	Earth		
	Excavation	109.72	74.67
	Fill		
	Rock		
004+20.00	Earth		
	Excavation	73.46	39.66
	Fill	0	0
	Rock		

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	Rock			
	Fill	154.79	97.97	
004+40.00	Earth			
	Excavation	131.33	75.85	
	Fill	0	0	
	Rock			
	Fill	206.01	133.63	
004+60.00	Earth			
	Excavation	149.85	104.14	
	Fill	0	0	
	Rock			
	Fill	265.55	174.65	
004+80.00	Earth			
	Excavation	86.03	87.36	
	Fill	0	0	
	Rock			
	Fill	304.16	211	
005+00.00	Earth			
	Excavation	69.93	57.76	
	Fill	0	0	
	Rock			
	Fill	325.66	233.27	
005+20.00	Earth			
	Excavation	30.33	37.13	
	Fill	0	0	
	Rock			
	Fill	404.58	270.46	
005+40.00	Earth			
	Excavation	31.98	23.08	
	Fill	0	0	
	Rock			
	Fill	354.49	281.14	
005+60.00	Earth			
	Excavation	24.48	20.91	
	Fill	0	0	
	Rock			
	Fill	356.94	263.49	
005+80.00	Earth			
	Excavation	59.79	31.21	
	Fill	0	0	
	Rock			

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006+00.00	Earth	Fill	344.69	259.86
		Excavation	95.21	57.41
		Fill	0	0
006+20.00	Earth	Rock		
		Fill	332.69	250.88
		Excavation	239.22	123.86
006+40.00	Earth	Fill	0	0
		Excavation	331.17	245.87
		Fill	0	88.60
006+60.00	Earth	Rock		
		Fill	0	0
		Excavation	0	122.66
006+80.00	Earth	Fill	0	0
		Excavation	0	0
		Fill	0	0
007+00.00	Earth	Rock		
		Fill	0	0
		Excavation	0	0
007+20.00	Earth	Fill	0	0
		Excavation	166.61	61.71
		Fill	0	0
007+40.00	Earth	Rock		
		Fill	52.02	19.27
		Excavation	20.47	69.29
007+60.00	Earth	Fill	0	0
		Excavation	205.12	95.24
		Fill		

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		Excavation	121.66	52.64
		Fill	0	0
	Rock			
		Fill	307.69	189.93
007+80.00	Earth			
		Excavation	83.13	75.85
		Fill	0	0
	Rock			
		Fill	204.66	189.76
008+00.00	Earth			
		Excavation	83.38	61.67
		Fill	0	0
	Rock			
		Fill	219.77	157.2
008+20.00	Earth			
		Excavation	0	30.88
		Fill	0	0
	Rock			
		Fill	0	81.40