

GRADING REPORT

COMPUTED BY: John Cleghorn
CHECKED BY: Eric Kim, P.E.
FEDERAL PROJECT NO: N/A
ROUTE NO. OR STREET: S.R. 113

SHEET 1 OF 4
STATE NO.: 45010-4215-04
PIN: 118948.00
COUNTY: Jefferson

ESTIMATED GRADING QUANTITIES						
DESCRIPTION		UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY	
		EXC.	EMB.	EXC.		
MAINLINE		820	88	779	SHRINK = 5 % SWELL = 5 %	
SIDE ROADS		0	0		EXC. EMB. 780 vs. -92 AVAILABLE = 688 WASTE MATERIAL = 723	
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES		1	4	1		
INDEPENDENT DITCHES		0	0			
TEMPORARY CONSTRUCTION EXITS		0	0			
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)		0	0			
TOPSOIL (EMB.)		43				
TOPSOIL (EXC.)		112				
TOPSOIL TOTALS (SEE TOPSOIL TABLE)						
ROCK (C.Y.)		TOTALS (C.Y.)				
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC. (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	976	92	976	821	780
THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SATISFACTORY DISPOSAL OF				723	C.Y. OF EXCESS MATERIAL	

Material Name	End Areas	Unadjusted	Adjusted	Mult	Mass	Accum	Accum
Station		Volumes	Volumes	Factor	Ordinate	Unadj Vol	Adj Vol
	(sq. ft.)	(cu. yd.)	(cu. yd.)			(cu. yd.)	(cu. yd.)

109+50.00 EARTH							
Excavation	86.5	0	0	1.00		0	0
Fill	0.4	0	0	1.00	0	0	0
110+00.00 EARTH							
Excavation	63.5	140	140	1.00		140	140
Fill	0.9	1	1	1.00	139	1	1
110+07.11 EARTH							
Excavation	62.6	17	17	1.00		157	157
Fill	0.5	0	0	1.00	156	1	1
110+50.00 EARTH							
Excavation	65.3	102	102	1.00		259	259

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SHEET 2 OF 4
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Fill	12.3	10	10	1.00	248	11	11
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111+00.00 EARTH

Excavation	66.0	121	121	1.00		380	380
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Fill	20.9	31	31	1.00	338	42	42
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111+30.56 EARTH

Excavation	63.0	73	73	1.00		453	543
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Fill	12.1	19	19	1.00	392	61	61
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111+33.47 EARTH

Excavation	61.9	7	7	1.00		460	460
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Fill	11.2	1	1	1.00	398	62	62
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111+50.00 EARTH

Excavation	65.5	39	39	1.00		499	499
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Fill	6.4	5	5	1.00	432	67	67
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112+00.00 EARTH

Excavation	64.3	120	120	1.00		619	619
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Fill	1.2	6	6	1.00	546	73	73
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113+50.00 EARTH

Excavation	1.6	183	183	1.00		802	802
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Fill	1.3	6	6	1.00	723	79	79
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113+75.57 EARTH

Excavation	3.1	2	2	1.00		804	804
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Fill	1.7	1	1	1.00	724	80	80
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114+00.00 EARTH

Excavation	4.3	3	3	1.00		807	807
Fill	0.7	1	1	1.00	726	81	81

114+02.01 EARTH

Excavation	4.4	0	0	1.00		807	807
Fill	1.4	0	0	1.00	726	81	81

114+50.00 EARTH

Excavation	3.7	7	7	1.00		814	814
Fill	1.7	3	3	1.00	730	84	84

114+84.62 EARTH

Excavation	3.3	4	4	1.00		818	818
Fill	2.1	3	3	1.00	731	87	87

115+00.00 EARTH

Excavation	3.2	2	2	1.00		820	820
Fill	0.7	1	1	1.00	732	88	88

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G R A N D		S U M M A R Y		T O T A L S	
Material Name		Unadjusted	Adjusted	Mult	
		Volumes	Volumes	Factor	
		(cu. yd.)	(cu. yd.)		

EARTH					
Excavation		820	820	1.00	
Fill		88	88	1.00	
S P L I T		S U M M A R Y		T O T A L S	
		XS Quant	XS Quant	Add/Sub Quant	Add/Sub Quant
Material Name		Unadjusted	Adjusted	Unadjusted	Adjusted
		Volume	Volume	Volume	Volume
		(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)

EARTH					
Excavation		820	820	0	0
Fill		88	88	0	0