

GRADING REPORT

COMPUTED BY: Caylie Marvel
CHECKED BY: Konrad Beck
FEDERAL PROJECT NO: BRZ-4300(32)
ROUTE NO. OR STREET: Cedar Grove Road

SHEET 1 OF 3
STATE NO.: 43455-3435-04
PIN: 124448.00
COUNTY: Humphreys

ESTIMATED GRADING QUANTITIES						
DESCRIPTION		UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY	
		EXC.	EMB.	EXC.	SHRINK = 15 %	SWELL = 15 %
MAINLINE		245	307	209	EMB.	EXC.
SIDE ROADS						
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES						
INDEPENDENT DITCHES						
TEMPORARY CONSTRUCTION EXITS		15		13		
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)						
TOPSOIL (EMB.)						
TOPSOIL (EXC.)		193				
TOPSOIL TOTALS (SEE TOPSOIL TABLE)					BORROW MATERIAL =	99
ROCK (C.Y.)		TOTALS (C.Y.)				
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	453	307	453	260	221

Cedar Grove Road Earthwork

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

62+00.00 EARTH								
	Excavation	2	0	0	0.85		0	0
	Fill	0	0	0	1.00	0	0	0
62+50.00 EARTH								
	Excavation	6	7	6	0.85		7	6
	Fill	0	0	0	1.00	6	0	0
63+00.00 EARTH								
	Excavation	26	30	25	0.85		37	31
	Fill	0	0	0	1.00	31	0	0

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SHEET 2 OF 3
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63+50.00 EARTH

Excavation	30	52	44	0.85		89	75
Fill	0	0	0	1.00	75	0	0

64+00.00 EARTH

Excavation	19	45	39	0.85		134	114
Fill	0	0	0	1.00	114	0	0

64+50.00 EARTH

Excavation	7	24	20	0.85		158	134
Fill	4	4	4	1.00	130	4	4

SKIP STATION RANGE = 64+98.00 to 69+23.00

69+50.00 EARTH

Excavation	0	10	8	0.85		168	142
Fill	116	167	167	1.00	-29	171	171

70+00.00 EARTH

Excavation	4	4	3	0.85		172	145
Fill	14	120	120	1.00	-146	291	291

70+50.00 EARTH

Excavation	27	29	24	0.85		201	169
Fill	0	13	13	1.00	-135	304	304

71+00.00 EARTH

Excavation	20	44	37	0.85		245	206
Fill	3	3	3	1.00	-101	307	307

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SHEET 3 OF 3
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GRAND SUMMARY TOTALS

Material Name	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor
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EARTH

Excavation	245	206	0.85
Fill	307	307	1.00

SPLIT SUMMARY TOTALS

Material Name	XS Quant Unadjusted Volume (cu. yd.)	XS Quant Adjusted Volume (cu. yd.)	Add/Sub Quant Unadjusted Volume (cu. yd.)	Add/Sub Quant Adjusted Volume (cu. yd.)	Mult Factor
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EARTH

Excavation	245	206	0	0	0.85
Fill	307	307	0	0	1.00

BALANCE POINT SUMMARY

Material Name	Cumulative Unadjusted Volumes (cu. yd.)	Cumulative Adjusted Volumes (cu. yd.)	Incremental Unadjusted Volumes (cu. yd.)	Incremental Adjusted Volumes (cu. yd.)	Mult Factor
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Station = 68+58.81

EARTH

Excavation	165	141	165	141	0.85
Fill	141	141	141	141	1.00