

GRADING REPORT

COMPUTED BY: Aubin Canning
CHECKED BY: Stephanie Wallis
FEDERAL PROJECT NO: BRZ-3700(43)
ROUTE NO. OR STREET: AFG Road

SHEET 1 OF 18
STATE NO.: 37LCOU-F3-006
PIN: 124369.00
COUNTY: Hawkins

ESTIMATED GRADING QUANTITIES						
DESCRIPTION		UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUME S (CY)	BALANCE SUMMARY	
		EXC.	EMB.	EXC.	SHRINK = 10 %	SWEL L = 1 0 %
MAINLINE		4089	5924	3681	EXC.	EMB.
SIDE ROADS		0	0			
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES		218	7	197	7110	V S. -6754
INDEPENDENT DITCHES		0	0			
TEMPORARY CONSTRUCTION EXITS		8	0	8	AVAILABLE	= 356
OTHER (BRIDGE EXCAVATION)		3584	823	3226		
TOPSOIL (EMB.)		235			WASTE MATERIAL	= 392
TOPSOIL (EXC.)		406				
TOPSOIL TOTALS (SEE TOPSOIL TABLE)						
ROCK (C.Y.)		TOTALS (C.Y.)				
EX C.	EM B.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	8540	6754	8540	7899	7110

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.)

102+32.15 EARTH							
Common Exc	13.0	0	0	0.90		0	0
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	0.5	0	0	1.00	0	0	0
TOPSOIL							
Common Exc	5.4	0	0	1.00		0	0
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	0.5	0	0	1.00		0	0

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 2 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

Fill	0.0	0	0	1.00	0	0	0
------	-----	---	---	------	---	---	---

Mass ordinate for TOPSOIL = 0

102+50.00 EARTH

Common Exc	13.9	9	8	0.90		9	8
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	0.4	0	0	1.00	8	0	0

TOPSOIL

Common Exc	5.0	3	3	1.00		3	3
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	0.4	0	0	1.00		0	0
Fill	0.0	0	0	1.00	8	0	0

Mass ordinate for TOPSOIL = 3

103+00.00 EARTH

Common Exc	19.6	31	28	0.90		40	36
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	1.2	1	1	1.00	35	1	1

TOPSOIL

Common Exc	8.1	12	12	1.00		15	15
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	0.4	1	1	1.00		1	1
Fill	0.0	0	0	1.00	35	0	0

Mass ordinate for TOPSOIL = 16

103+50.00 EARTH

Common Exc	73.7	86	78	0.90		126	114
------------	------	----	----	------	--	-----	-----

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 3 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	2.3	3	3	1.00	110	4	4

TOPSOIL

Common Exc	15.4	22	22	1.00		37	37
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	1.1	1	1	1.00		2	2
Fill	0.0	0	0	1.00	110	0	0

Mass ordinate for TOPSOIL = 39

104+00.00 EARTH

Common Exc	156.8	213	192	0.90		339	306
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	5.4	7	7	1.00	295	11	11

TOPSOIL

Common Exc	17.8	31	31	1.00		68	68
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	0.3	1	1	1.00		3	3
Fill	0.0	0	0	1.00	295	0	0

Mass ordinate for TOPSOIL = 71

104+50.00 EARTH

Common Exc	65.9	206	186	0.90		545	492
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	3.0	8	8	1.00	473	19	19

TOPSOIL

Common Exc	13.9	29	29	1.00		97	97
------------	------	----	----	------	--	----	----

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 4 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	2.2	2	2	1.00		5	5
Fill	0.0	0	0	1.00	473	0	0

Mass ordinate for TOPSOIL = 102

105+00.00 EARTH

Common Exc	37.9	96	87	0.90		641	579
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	73.8	71	71	1.00	489	90	90

TOPSOIL

Common Exc	5.3	18	18	1.00		115	115
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	9.8	11	11	1.00		16	16
Fill	0.0	0	0	1.00	489	0	0

Mass ordinate for TOPSOIL = 131

105+50.00 EARTH

Common Exc	31.8	65	58	0.90		706	637
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	188.5	243	243	1.00	304	333	333

TOPSOIL

Common Exc	4.0	9	9	1.00		124	124
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	12.3	20	20	1.00		36	36
Fill	0.0	0	0	1.00	304	0	0

Mass ordinate for TOPSOIL = 160

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 5 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

105+71.05 EARTH

Common Exc	41.2	28	26	0.90		734	663
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	279.1	182	182	1.00	148	515	515

TOPSOIL

Common Exc	6.4	4	4	1.00		128	128
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	14.3	10	10	1.00		46	46
Fill	0.0	0	0	1.00	148	0	0

Mass ordinate for TOPSOIL = 174

105+81.74 EARTH

Common Exc	28.3	14	12	0.90		748	675
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	325.4	120	120	1.00	40	635	635

TOPSOIL

Common Exc	4.5	2	2	1.00		130	130
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	15.3	6	6	1.00		52	52
Fill	0.0	0	0	1.00	40	0	0

Mass ordinate for TOPSOIL = 182

106+00.00 EARTH

Common Exc	5.6	11	10	0.90		759	685
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	423.0	253	253	1.00	-203	888	888

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 6 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

TOPSOIL

Common Exc	1.1	2	2	1.00		132	132
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	16.8	11	11	1.00		63	63
Fill	0.0	0	0	1.00	-203	0	0

Mass ordinate for TOPSOIL = 195

106+20.61 EARTH

Common Exc	2.9	3	3	0.90		762	688
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	558.1	374	374	1.00	-574	1262	1262

TOPSOIL

Common Exc	0.6	1	1	1.00		133	133
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	18.0	13	13	1.00		76	76
Fill	0.0	0	0	1.00	-574	0	0

Mass ordinate for TOPSOIL = 209

106+50.00 EARTH

Common Exc	0.0	2	1	0.90		764	689
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	19.5	314	314	1.00	-887	1576	1576

TOPSOIL

Common Exc	0.0	0	0	1.00		133	133
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	0.0	10	10	1.00		86	86
Fill	0.0	0	0	1.00	-887	0	0

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 7 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

Mass ordinate for TOPSOIL = 219

SKIP STATION RANGE = 106+54.96 to 108+51.70

108+62.00 EARTH

Common Exc	0.8	0	0	0.90		764	689
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	271.1	82	82	1.00	-969	1658	1658

TOPSOIL

Common Exc	0.5	0	0	1.00		133	133
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	12.9	4	4	1.00		90	90
Fill	0.0	0	0	1.00	-969	0	0

Mass ordinate for TOPSOIL = 223

109+00.00 EARTH

Common Exc	195.3	138	124	0.90		902	813
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	114.1	271	271	1.00	-1116	1929	1929

TOPSOIL

Common Exc	14.7	11	11	1.00		144	144
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	4.8	12	12	1.00		102	102
Fill	0.0	0	0	1.00	-1116	0	0

Mass ordinate for TOPSOIL = 246

109+01.62 EARTH

Common Exc	225.8	13	11	0.90		915	824
------------	-------	----	----	------	--	-----	-----

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 8 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	113.2	7	7	1.00	-1112	1936	1936

TOPSOIL

Common Exc	15.2	1	1	1.00		145	145
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	4.7	0	0	1.00		102	102
Fill	0.0	0	0	1.00	-1112	0	0

Mass ordinate for TOPSOIL = 247

109+50.00 EARTH

Common Exc	559.9	704	634	0.90		1619	1458
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	70.2	164	164	1.00	-642	2100	2100

TOPSOIL

Common Exc	15.4	27	27	1.00		172	172
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	4.0	8	8	1.00		110	110
Fill	0.0	0	0	1.00	-642	0	0

Mass ordinate for TOPSOIL = 282

109+60.09 EARTH

Common Exc	573.0	212	191	0.90		1831	1649
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	60.4	24	24	1.00	-475	2124	2124

TOPSOIL

Common Exc	15.3	6	6	1.00		178	178
------------	------	---	---	------	--	-----	-----

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 9 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	4.0	1	1	1.00		111	111
Fill	0.0	0	0	1.00	-475	0	0

Mass ordinate for TOPSOIL = 289

110+00.00 EARTH

Common Exc	548.0	829	746	0.90		2660	2395
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	27.6	65	65	1.00	206	2189	2189

TOPSOIL

Common Exc	14.8	22	22	1.00		200	200
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	3.6	6	6	1.00		117	117
Fill	0.0	0	0	1.00	206	0	0

Mass ordinate for TOPSOIL = 317

110+32.38 EARTH

Common Exc	525.4	644	579	0.90		3304	2974
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	11.9	24	24	1.00	761	2213	2213

TOPSOIL

Common Exc	20.1	21	21	1.00		221	221
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	3.0	4	4	1.00		121	121
Fill	0.0	0	0	1.00	761	0	0

Mass ordinate for TOPSOIL = 342

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET **10** OF **18**
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

110+50.00 EARTH

Common Exc	275.0	261	235	0.90		3565	3209
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	4.4	5	5	1.00	991	2218	2218

TOPSOIL

Common Exc	12.7	11	11	1.00		232	232
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	2.2	2	2	1.00		123	123
Fill	0.0	0	0	1.00	991	0	0

Mass ordinate for TOPSOIL = 355

110+67.70 EARTH

Common Exc	133.3	134	120	0.90		3699	3329
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	0.0	1	1	1.00	1110	2219	2219

TOPSOIL

Common Exc	0.0	4	4	1.00		236	236
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	0.0	1	1	1.00		124	124
Fill	0.0	0	0	1.00	1110	0	0

Mass ordinate for TOPSOIL = 360

110+72.00 EARTH

Common Exc	89.0	18	16	0.90		3717	3345
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	0.2	0	0	1.00	1126	2219	2219

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 11 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

TOPSOIL

Common Exc	14.1	1	1	1.00		237	237
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	0.2	0	0	1.00		124	124
Fill	0.0	0	0	1.00	1126	0	0

Mass ordinate for TOPSOIL = 361

111+00.00 EARTH

Common Exc	45.7	70	63	0.90		3787	3408
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	72.0	37	37	1.00	1152	2256	2256

TOPSOIL

Common Exc	3.9	9	9	1.00		246	246
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	7.6	4	4	1.00		128	128
Fill	0.0	0	0	1.00	1152	0	0

Mass ordinate for TOPSOIL = 374

111+11.62 EARTH

Common Exc	47.6	20	18	0.90		3807	3426
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	163.7	51	51	1.00	1119	2307	2307

TOPSOIL

Common Exc	3.9	2	2	1.00		248	248
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	9.7	4	4	1.00		132	132
Fill	0.0	0	0	1.00	1119	0	0

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 12 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

Mass ordinate for TOPSOIL = 380

111+50.00 EARTH

Common Exc	38.9	61	55	0.90		3868	3481
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	353.9	368	368	1.00	806	2675	2675

TOPSOIL

Common Exc	3.1	5	5	1.00		253	253
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	13.4	16	16	1.00		148	148
Fill	0.0	0	0	1.00	806	0	0

Mass ordinate for TOPSOIL = 401

111+51.25 EARTH

Common Exc	38.8	2	2	0.90		3870	3483
Subgrade Exc	0.0	0	0	0.90		0	0
Subsoil Exc	0.0	0	0	1.00		0	0
Fill	360.6	17	17	1.00	791	2692	2692

TOPSOIL

Common Exc	3.1	0	0	1.00		253	253
Subgrade Exc	0.0	0	0	1.00		0	0
Subsoil Exc	13.5	1	1	1.00		149	149
Fill	0.0	0	0	1.00	791	0	0

Mass ordinate for TOPSOIL = 402

111+89.34 EARTH

Common Exc	37.9	54	49	0.90		3924	3532
Subgrade Exc	0.0	0	0	0.90		0	0

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET **13** OF **18**
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

Subsoil Exc	0.0	0	0	1.00		0	0
-------------	-----	---	---	------	--	---	---

Fill	206.4	400	400	1.00	440	3092	3092
------	-------	-----	-----	------	-----	------	------

TOPSOIL

Common Exc	3.5	5	5	1.00		258	258
------------	-----	---	---	------	--	-----	-----

Subgrade Exc	0.0	0	0	1.00		0	0
--------------	-----	---	---	------	--	---	---

Subsoil Exc	10.4	17	17	1.00		166	166
-------------	------	----	----	------	--	-----	-----

Fill	0.0	0	0	1.00	440	0	0
------	-----	---	---	------	-----	---	---

Mass ordinate for TOPSOIL = 424

111+90.87 EARTH

Common Exc	37.9	2	2	0.90		3926	3534
------------	------	---	---	------	--	------	------

Subgrade Exc	0.0	0	0	0.90		0	0
--------------	-----	---	---	------	--	---	---

Subsoil Exc	0.0	0	0	1.00		0	0
-------------	-----	---	---	------	--	---	---

Fill	151.9	10	10	1.00	432	3102	3102
------	-------	----	----	------	-----	------	------

TOPSOIL

Common Exc	3.5	0	0	1.00		258	258
------------	-----	---	---	------	--	-----	-----

Subgrade Exc	0.0	0	0	1.00		0	0
--------------	-----	---	---	------	--	---	---

Subsoil Exc	9.3	1	1	1.00		167	167
-------------	-----	---	---	------	--	-----	-----

Fill	0.0	0	0	1.00	432	0	0
------	-----	---	---	------	-----	---	---

Mass ordinate for TOPSOIL = 425

112+00.00 EARTH

Common Exc	37.8	13	12	0.90		3939	3546
------------	------	----	----	------	--	------	------

Subgrade Exc	0.0	0	0	0.90		0	0
--------------	-----	---	---	------	--	---	---

Subsoil Exc	0.0	0	0	1.00		0	0
-------------	-----	---	---	------	--	---	---

Fill	33.3	31	31	1.00	413	3133	3133
------	------	----	----	------	-----	------	------

TOPSOIL

Common Exc	3.4	1	1	1.00		259	259
------------	-----	---	---	------	--	-----	-----

Subgrade Exc	0.0	0	0	1.00		0	0
--------------	-----	---	---	------	--	---	---

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 14 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

Subsoil Exc	4.6	2	2	1.00		169	169
-------------	-----	---	---	------	--	-----	-----

Fill	0.0	0	0	1.00	413	0	0
------	-----	---	---	------	-----	---	---

Mass ordinate for TOPSOIL = 428

112+50.00 EARTH

Common Exc	36.0	68	62	0.90		4007	3608
------------	------	----	----	------	--	------	------

Subgrade Exc	0.0	0	0	0.90		0	0
--------------	-----	---	---	------	--	---	---

Subsoil Exc	0.0	0	0	1.00		0	0
-------------	-----	---	---	------	--	---	---

Fill	3.5	34	34	1.00	441	3167	3167
------	-----	----	----	------	-----	------	------

TOPSOIL

Common Exc	3.0	6	6	1.00		265	265
------------	-----	---	---	------	--	-----	-----

Subgrade Exc	0.0	0	0	1.00		0	0
--------------	-----	---	---	------	--	---	---

Subsoil Exc	1.6	6	6	1.00		175	175
-------------	-----	---	---	------	--	-----	-----

Fill	0.0	0	0	1.00	441	0	0
------	-----	---	---	------	-----	---	---

Mass ordinate for TOPSOIL = 440

112+93.24 EARTH

Common Exc	35.4	57	51	0.90		4064	3659
------------	------	----	----	------	--	------	------

Subgrade Exc	0.0	0	0	0.90		0	0
--------------	-----	---	---	------	--	---	---

Subsoil Exc	0.0	0	0	1.00		0	0
-------------	-----	---	---	------	--	---	---

Fill	1.8	4	4	1.00	488	3171	3171
------	-----	---	---	------	-----	------	------

TOPSOIL

Common Exc	3.5	5	5	1.00		270	270
------------	-----	---	---	------	--	-----	-----

Subgrade Exc	0.0	0	0	1.00		0	0
--------------	-----	---	---	------	--	---	---

Subsoil Exc	1.2	2	2	1.00		177	177
-------------	-----	---	---	------	--	-----	-----

Fill	0.0	0	0	1.00	488	0	0
------	-----	---	---	------	-----	---	---

Mass ordinate for TOPSOIL = 447

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET **15** OF **18**
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

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					
Common Exc		4064	3659	0.90	
Subgrade Exc		0	0	0.90	
Subsoil Exc		0	0	1.00	
Fill		3171	3171	1.00	
TOPSOIL					
Common Exc		270	270	1.00	
Subgrade Exc		0	0	1.00	
Subsoil Exc		177	177	1.00	
Fill		0	0	1.00	

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET **16 OF 18**
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

S P L I T		S U M M A R Y		T O T A L S		
Material Name	XS Quant	XS Quant	Add/Sub Quant	Add/Sub Quant		
	Unadjusted	Adjusted	Unadjusted	Adjusted	Mult	
	Volume	Volume	Volume	Volume	Factor	
	(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)		

EARTH						
Common Exc	4064	3659	0	0	0.90	
Subgrade Exc	0	0	0	0	0.90	
Subsoil Exc	0	0	0	0	1.00	
Fill	3171	3171	0	0	1.00	
TOPSOIL						
Common Exc	270	270	0	0	1.00	
Subgrade Exc	0	0	0	0	1.00	
Subsoil Exc	177	177	0	0	1.00	
Fill	0	0	0	0	1.00	

GRADING REPORT

COMPUTED BY: Aubin Canning
 CHECKED BY: Stephanie Wallis
 FEDERAL PROJECT NO: BRZ-3700(43)
 ROUTE NO. OR STREET: AFG Road

SHEET 17 OF 18
 STATE NO.: 37LCOU-F3-006
 PIN: 124369.00
 COUNTY: Hawkins

B A L A N C E P O I N T S U M M A R Y

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

Station = 105+84.75

EARTH

Common Exc	752	677	752	677	0.90
Subgrade Exc	0	0	0	0	0.90
Subsoil Exc	0	0	0	0	1.00
Fill	677	677	677	677	1.00

TOPSOIL

Common Exc	130	130	130	130	1.00
Subgrade Exc	0	0	0	0	1.00
Subsoil Exc	54	54	54	54	1.00
Fill	0	0	0	0	1.00

Station = 109+87.93

EARTH

Common Exc	2410	2169	1658	1492	0.90
Subgrade Exc	0	0	0	0	0.90
Subsoil Exc	0	0	0	0	1.00
Fill	2169	2169	1492	1492	1.00

TOPSOIL

Common Exc	193	193	63	63	1.00
Subgrade Exc	0	0	0	0	1.00
Subsoil Exc	115	115	61	61	1.00
Fill	0	0	0	0	1.00

GRADING REPORT

COMPUTED BY: Aubin Canning
CHECKED BY: Stephanie Wallis
FEDERAL PROJECT NO: BRZ-3700(43)
ROUTE NO. OR STREET: AFG Road

SHEET **18** OF **18**
STATE NO.: 37LCOU-F3-006
PIN: 124369.00
COUNTY: Hawkins