

GRADING REPORT

COMPUTED BY:AEJ
CHECKED BY:JDW
FEDERAL PROJECT NO:
ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 1 OF 29
STATE NO.: 430I40-S3-008
PIN:133447.00
COUNTY: HUMPHREYS

I-40 EB OFF RAMP

Input File: ewkprj.inp

Output File: EB0FF40EW.log

1	1	1	
1	2	2	
1	3	3	Earthwork
1	4	4	
1	5	5	tolerance = 0.010000
1	6	6	
1	7	7	vertical search distance = 500.000000
1	8	8	
1	9	9	xs dgn = F:\37\37743\3774303\04_CAD\TRNS\I-40@SR013 INTERCHANGE IMPROVEMENT\HUSR13_EB0FF40_XS.dgn
1	10	10	
1	11	11	Proposed Finish Grade
1	12	12	soil type = Earth
1	13	13	roadway exc mult factor = 0.850000
1	14	14	subsoil exc mult factor = 1.000000
1	15	15	fill mult factor = 1.150000
1	16	16	type = line
1	17	17	lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
1	18	18	co = 6-8,18
1	19	19	
1	20	20	Existing Ground Line
1	21	21	soil type = Earth
1	22	22	roadway exc mult factor = 0.850000

GRADING REPORT

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 FEDERAL PROJECT NO:
 ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 2 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

1	23	23	subsoil exc mult factor = 1.000000
1	24	24	fill mult factor = 1.150000
1	25	25	type = line_string
1	26	26	lvname = SURVEY - GROUND - Top of Ground
1	27	27	co = 0
1	28	28	
1	29	29	Write Earthwork Shapes
1	30	30	plot param
1	31	31	lv = 698
1	32	32	lvname = CONCEPT - SCRATCH - User 2
1	33	33	co = 25
1	34	34	wt = 0
1	35	35	lc = 0
1	36	36	Stratify Shape Color
1	37	37	
1	38	38	combine common exc + subgrade exc + subsoil exc
1	39	39	
1	40	40	End Area Decimal Places = 1
1	41	41	
1	42	42	Process Earthwork for Baseline = EBOFF40
1	43	43	job number = 13R
1	44	44	
1	45	45	beg sta = 25+00.00 R 1
1	46	46	end sta = 37+00.00 R 1
0	0	47	END_OF_FILE

COMPUTING EARTHWORKS FOR BASELINE = EBOFF40

COMPUTING EARTHWORKS FOR JOB = 13R

FORMING LIST OF XSCCELLS

BEGINNING EARTHWORKS COMPUTATION

GRADING REPORT

COMPUTED BY:AEJ

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FEDERAL PROJECT NO:

ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET **3** OF **29**

STATE NO.: 430I40-S3-008

PIN:133447.00

COUNTY: HUMPHREYS

GRADING REPORT

COMPUTED BY:AEJ
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 FEDERAL PROJECT NO:
 ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 4 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
---------	---------------	------------------------	------------------------------------	----------------------------------	----------------	------------------

25+50.00 EARTH

Excavation	5.2	0	0	0.85	
Fill	0.9	0	0	1.15	0

26+00.00 EARTH

Excavation	0.2	5	4	0.85	
Fill	15.5	15	17	1.15	-13

26+50.00 EARTH

Excavation	61.7	57	49	0.85	
Fill	21.9	35	40	1.15	-4

27+00.00 EARTH

Excavation	159.2	205	174	0.85	
Fill	25.4	44	50	1.15	120

27+50.00 EARTH

Excavation	310.7	435	370	0.85	
Fill	32.7	54	62	1.15	428

28+00.00 EARTH

Excavation	396.4	655	557	0.85	
Fill	34.2	62	71	1.15	914

28+50.00 EARTH

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SHEET 5 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

Excavation	398.1	736	625	0.85	
Fill	36.7	66	75	1.15	1464

29+00.00 EARTH

Excavation	373.5	714	607	0.85	
Fill	35.5	67	77	1.15	1994

29+50.00 EARTH

Excavation	384.7	702	597	0.85	
Fill	37.5	68	78	1.15	2513

30+00.00 EARTH

Excavation	383.9	712	605	0.85	
Fill	36.8	69	79	1.15	3039

30+50.00 EARTH

Excavation	362.7	691	588	0.85	
Fill	35.2	67	77	1.15	3550

31+00.00 EARTH

Excavation	289.8	604	514	0.85	
Fill	30.6	61	70	1.15	3994

31+50.00 EARTH

Excavation	220.5	473	402	0.85	
Fill	25.2	52	59	1.15	4337

32+00.00 EARTH

Excavation	102.2	299	254	0.85	
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SHEET 6 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

Fill	15.1	37	43	1.15	4548
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32+50.00 EARTH

Excavation	90.8	179	152	0.85	
------------	------	-----	-----	------	--

Fill	9.3	23	26	1.15	4674
------	-----	----	----	------	------

33+00.00 EARTH

Excavation	102.4	179	152	0.85	
------------	-------	-----	-----	------	--

Fill	9.4	17	20	1.15	4806
------	-----	----	----	------	------

33+50.00 EARTH

Excavation	172.8	255	217	0.85	
------------	-------	-----	-----	------	--

Fill	15.8	23	27	1.15	4996
------	------	----	----	------	------

34+00.00 EARTH

Excavation	323.7	460	391	0.85	
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Fill	22.5	35	41	1.15	5346
------	------	----	----	------	------

34+50.00 EARTH

Excavation	412.6	682	579	0.85	
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Fill	27.0	46	53	1.15	5872
------	------	----	----	------	------

35+00.00 EARTH

Excavation	501.4	846	719	0.85	
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Fill	28.1	51	59	1.15	6532
------	------	----	----	------	------

35+50.00 EARTH

Excavation	425.5	858	730	0.85	
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Fill	16.5	41	47	1.15	7215
------	------	----	----	------	------

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SHEET 7 OF 29
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PIN:133447.00
COUNTY: HUMPHREYS

36+00.00 EARTH

Excavation	331.2	701	596	0.85	
Fill	7.7	22	26	1.15	7785

36+50.00 EARTH

Excavation	195.2	487	414	0.85	
Fill	0.8	8	9	1.15	8190

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SHEET 8 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

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		10935	9296	0.85	
Fill		963	1106	1.15	

EB ON I40

Input File: ewkprj.inp

Output File: EBON40EW.log

```

1      1      1
1      2      2
1      3      3 Earthwork
1      4      4
1      5      5 tolerance = 0.010000
1      6      6
1      7      7 vertical search distance = 500.000000
1      8      8
1      9      9 xs dgn = F:\37\37743\3774303\04_CAD\TRNS\I-40@SR013 INTERCHANGE
IMPROVEMENT\HUSR13_EBON40_XS.dgn
1     10     10
1     11     11 Proposed Finish Grade
1     12     12 soil type = Earth
1     13     13 roadway exc mult factor = 0.850000
1     14     14 subsoil exc mult factor = 1.000000
    
```

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SHEET 9 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

1	15	15	fill mult factor = 1.000000
1	16	16	type = line
1	17	17	lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
1	18	18	co = 6-8,18
1	19	19	
1	20	20	Existing Ground Line
1	21	21	soil type = Earth
1	22	22	roadway exc mult factor = 1.000000
1	23	23	subsoil exc mult factor = 1.000000
1	24	24	fill mult factor = 1.000000
1	25	25	type = line_string
1	26	26	lvname = SURVEY - GROUND - Top of Ground
1	27	27	co = 0
1	28	28	
1	29	29	Write Earthwork Shapes
1	30	30	plot param
1	31	31	lv = 697
1	32	32	lvname = CONCEPT - SCRATCH - User 1
1	33	33	co = 33
1	34	34	wt = 0
1	35	35	lc = 0
1	36	36	Stratify Shape Color
1	37	37	
1	38	38	combine common exc + subgrade exc + subsoil exc
1	39	39	
1	40	40	End Area Decimal Places = 1
1	41	41	
1	42	42	Process Earthwork for Baseline = EBON40
1	43	43	job number = 13R

GRADING REPORT

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ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET **10** OF **29**
STATE NO.: 430I40-S3-008
PIN:133447.00
COUNTY: HUMPHREYS

1 44 44

1 45 45 beg sta = 82+50.00 R 1

1 46 46 end sta = 104+00.00 R 1

0 0 47 END_OF_FILE

COMPUTING EARTHWORKS FOR BASELINE = EBON40

COMPUTING EARTHWORKS FOR JOB = 13R

FORMING LIST OF XSCCELLS

BEGINNING EARTHWORKS COMPUTATION

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 ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 11 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
---------	---------------	------------------------	------------------------------------	----------------------------------	----------------	------------------

83+50.00 EARTH

Excavation	184.6	0	0	0.85	
Fill	1.5	0	0	1.00	0

84+00.00 EARTH

Excavation	192.1	349	296	0.85	
Fill	1.8	3	3	1.00	293

84+50.00 EARTH

Excavation	187.7	352	299	0.85	
Fill	2.7	4	4	1.00	588

85+00.00 EARTH

Excavation	185.4	345	294	0.85	
Fill	3.0	5	5	1.00	877

85+50.00 EARTH

Excavation	209.7	366	311	0.85	
Fill	8.4	11	11	1.00	1177

86+00.00 EARTH

Excavation	189.9	370	314	0.85	
Fill	15.2	22	22	1.00	1469

86+50.00 EARTH

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SHEET 12 OF 29
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 PIN:133447.00
 COUNTY: HUMPHREYS

Excavation	169.7	333	283	0.85	
Fill	41.2	52	52	1.00	1700

87+00.00 EARTH

Excavation	109.0	258	219	0.85	
Fill	60.6	94	94	1.00	1825

87+50.00 EARTH

Excavation	39.2	137	117	0.85	
Fill	39.5	93	93	1.00	1849

88+00.00 EARTH

Excavation	10.2	46	39	0.85	
Fill	20.8	56	56	1.00	1832

88+50.00 EARTH

Excavation	12.7	21	18	0.85	
Fill	8.6	27	27	1.00	1823

89+00.00 EARTH

Excavation	11.6	22	19	0.85	
Fill	4.4	12	12	1.00	1830

89+50.00 EARTH

Excavation	22.1	31	27	0.85	
Fill	1.3	5	5	1.00	1852

90+00.00 EARTH

Excavation	31.5	50	42	0.85	
------------	------	----	----	------	--

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SHEET 13 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

Fill	0.6	2	2	1.00	1892
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90+50.00 EARTH

Excavation	41.2	67	57	0.85	
Fill	0.2	1	1	1.00	1948

91+00.00 EARTH

Excavation	41.8	77	65	0.85	
Fill	0.1	0	0	1.00	2013

91+50.00 EARTH

Excavation	65.4	99	84	0.85	
Fill	0.0	0	0	1.00	2097

92+00.00 EARTH

Excavation	61.5	118	100	0.85	
Fill	0.0	0	0	1.00	2197

92+50.00 EARTH

Excavation	54.2	107	91	0.85	
Fill	0.0	0	0	1.00	2288

93+00.00 EARTH

Excavation	57.8	104	88	0.85	
Fill	0.0	0	0	1.00	2376

93+50.00 EARTH

Excavation	62.0	111	94	0.85	
Fill	0.0	0	0	1.00	2470

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 ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 14 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

94+00.00 EARTH

Excavation	37.1	92	78	0.85	
Fill	0.4	0	0	1.00	2548

94+50.00 EARTH

Excavation	55.3	86	73	0.85	
Fill	1.0	1	1	1.00	2620

95+00.00 EARTH

Excavation	74.7	120	102	0.85	
Fill	5.5	6	6	1.00	2716

95+50.00 EARTH

Excavation	79.8	143	122	0.85	
Fill	8.8	13	13	1.00	2825

96+00.00 EARTH

Excavation	87.0	154	131	0.85	
Fill	15.9	23	23	1.00	2933

96+50.00 EARTH

Excavation	60.4	136	116	0.85	
Fill	16.1	30	30	1.00	3019

97+00.00 EARTH

Excavation	62.6	114	97	0.85	
Fill	21.6	35	35	1.00	3081

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SHEET 15 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

97+50.00 EARTH

Excavation	16.3	73	62	0.85	
Fill	39.8	57	57	1.00	3086

98+00.00 EARTH

Excavation	17.3	31	26	0.85	
Fill	39.3	73	73	1.00	3039

98+50.00 EARTH

Excavation	28.1	42	36	0.85	
Fill	30.0	64	64	1.00	3011

99+00.00 EARTH

Excavation	34.1	58	49	0.85	
Fill	27.3	53	53	1.00	3007

99+50.00 EARTH

Excavation	37.7	66	57	0.85	
Fill	22.4	46	46	1.00	3018

100+00.00 EARTH

Excavation	38.0	70	60	0.85	
Fill	21.5	41	41	1.00	3037

100+50.00 EARTH

Excavation	7.0	42	35	0.85	
Fill	20.9	39	39	1.00	3033

101+00.00 EARTH

GRADING REPORT

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SHEET 16 OF 29
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 PIN:133447.00
 COUNTY: HUMPHREYS

Excavation	12.5	18	15	0.85	
Fill	0.0	19	19	1.00	3029

101+50.00 EARTH

Excavation	7.8	19	16	0.85	
Fill	0.0	0	0	1.00	3045

102+00.00 EARTH

Excavation	2.9	10	8	0.85	
Fill	0.5	0	0	1.00	3053

102+50.00 EARTH

Excavation	1.9	4	4	0.85	
Fill	0.1	1	1	1.00	3056

103+00.00 EARTH

Excavation	1.8	3	3	0.85	
Fill	0.2	0	0	1.00	3059

103+50.00 EARTH

Excavation	0.0	2	1	0.85	
Fill	35.0	33	33	1.00	3027

104+00.00 EARTH

Excavation	0.9	1	1	0.85	
Fill	23.0	54	54	1.00	2974

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SHEET 17 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

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		4647	3949	0.85	
Fill		975	975	1.00	

WB ON I40

Input File: ewkprj.inp

Output File: WBON40EW.log

```

1      1      1
1      2      2
1      3      3 Earthwork
1      4      4
1      5      5 tolerance = 0.010000
1      6      6
1      7      7 vertical search distance = 500.000000
1      8      8
1      9      9 xs dgn = F:\37\37743\3774303\04_CAD\TRNS\I-40@SR013 INTERCHANGE
IMPROVEMENT\HUSR13_WBON40_XS.dgn
1     10     10
1     11     11 Proposed Finish Grade
1     12     12 soil type = Earth
1     13     13 roadway exc mult factor = 0.850000
1     14     14 subsoil exc mult factor = 1.000000
1     15     15 fill mult factor = 1.150000
1     16     16 type = line
    
```

GRADING REPORT

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FEDERAL PROJECT NO:

ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 18 OF 29

STATE NO.: 430I40-S3-008

PIN:133447.00

COUNTY: HUMPHREYS

1	17	17	lvname = DESIGN - TYPICAL - Finished Grade and Subgrade
1	18	18	co = 6-8,18
1	19	19	
1	20	20	Existing Ground Line
1	21	21	soil type = Earth
1	22	22	roadway exc mult factor = 0.850000
1	23	23	subsoil exc mult factor = 1.000000
1	24	24	fill mult factor = 1.150000
1	25	25	type = line_string
1	26	26	lvname = SURVEY - GROUND - Top of Ground
1	27	27	co = 0
1	28	28	
1	29	29	Write Earthwork Shapes
1	30	30	plot param
1	31	31	lv = 698
1	32	32	lvname = CONCEPT - SCRATCH - User 2
1	33	33	co = 25
1	34	34	wt = 0
1	35	35	lc = 0
1	36	36	Stratify Shape Color
1	37	37	
1	38	38	combine common exc + subgrade exc + subsoil exc
1	39	39	
1	40	40	End Area Decimal Places = 1
1	41	41	
1	42	42	Process Earthwork for Baseline = WBON40
1	43	43	job number = 13R
1	44	44	
1	45	45	beg sta = 51+50.00 R 1

GRADING REPORT

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FEDERAL PROJECT NO:
ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET **19** OF **29**
STATE NO.: 430I40-S3-008
PIN:133447.00
COUNTY: HUMPHREYS

1 46 46 end sta = 76+00.00 R 1

0 0 47 END_OF_FILE

COMPUTING EARTHWORKS FOR BASELINE = WBON40

COMPUTING EARTHWORKS FOR JOB = 13R

FORMING LIST OF XSCCELLS

BEGINNING EARTHWORKS COMPUTATION

GRADING REPORT

COMPUTED BY:AEJ
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 FEDERAL PROJECT NO:
 ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 20 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
---------	---------------	------------------------	------------------------------------	----------------------------------	----------------	------------------

54+00.00 EARTH

Excavation	0.9	0	0	0.85	
Fill	82.4	0	0	1.15	0

54+50.00 EARTH

Excavation	0.7	1	1	0.85	
Fill	65.1	137	157	1.15	-156

55+00.00 EARTH

Excavation	1.6	2	2	0.85	
Fill	49.7	106	122	1.15	-276

55+50.00 EARTH

Excavation	1.7	3	3	0.85	
Fill	47.6	90	104	1.15	-377

56+00.00 EARTH

Excavation	0.8	2	2	0.85	
Fill	52.5	93	107	1.15	-482

56+50.00 EARTH

Excavation	0.1	1	1	0.85	
Fill	29.6	76	87	1.15	-568

57+00.00 EARTH

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SHEET 21 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

Excavation	0.0	0	0	0.85	
Fill	50.0	74	85	1.15	-653

57+50.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	87.3	127	146	1.15	-799

58+00.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	82.7	157	181	1.15	-980

58+50.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	63.5	135	156	1.15	-1136

59+00.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	38.9	95	109	1.15	-1245

59+50.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	19.9	54	63	1.15	-1308

60+00.00 EARTH

Excavation	0.2	0	0	0.85	
Fill	11.8	29	34	1.15	-1342

60+50.00 EARTH

Excavation	0.3	0	0	0.85	
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GRADING REPORT

COMPUTED BY:AEJ
 CHECKED BY:JDW
 FEDERAL PROJECT NO:
 ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 22 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

Fill	6.7	17	20	1.15	-1362
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61+00.00 EARTH

Excavation	0.5	1	1	0.85	
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Fill	4.0	10	11	1.15	-1372
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61+50.00 EARTH

Excavation	0.5	1	1	0.85	
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Fill	4.7	8	9	1.15	-1380
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62+00.00 EARTH

Excavation	0.8	1	1	0.85	
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Fill	4.4	8	10	1.15	-1389
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62+50.00 EARTH

Excavation	1.2	2	2	0.85	
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Fill	2.9	7	8	1.15	-1395
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63+00.00 EARTH

Excavation	0.6	2	1	0.85	
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Fill	4.7	7	8	1.15	-1402
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63+50.00 EARTH

Excavation	0.8	1	1	0.85	
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Fill	3.8	8	9	1.15	-1410
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64+00.00 EARTH

Excavation	0.3	1	1	0.85	
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Fill	4.4	8	9	1.15	-1418
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GRADING REPORT

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 FEDERAL PROJECT NO:
 ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET **23** OF **29**
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

64+50.00 EARTH

Excavation	0.3	1	0	0.85	
Fill	4.5	8	9	1.15	-1427

65+00.00 EARTH

Excavation	0.4	1	1	0.85	
Fill	7.1	11	12	1.15	-1438

65+50.00 EARTH

Excavation	1.4	2	1	0.85	
Fill	10.7	16	19	1.15	-1456

66+00.00 EARTH

Excavation	0.0	1	1	0.85	
Fill	24.6	33	38	1.15	-1493

66+50.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	38.4	58	67	1.15	-1560

67+00.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	58.6	90	103	1.15	-1663

67+50.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	56.4	106	122	1.15	-1785

GRADING REPORT

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FEDERAL PROJECT NO:
ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 24 OF 29
STATE NO.: 430I40-S3-008
PIN:133447.00
COUNTY: HUMPHREYS

68+00.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	53.1	101	117	1.15	-1902

68+50.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	45.6	91	105	1.15	-2007

69+00.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	36.2	76	87	1.15	-2094

69+50.00 EARTH

Excavation	0.1	0	0	0.85	
Fill	23.9	56	64	1.15	-2158

70+00.00 EARTH

Excavation	0.1	0	0	0.85	
Fill	29.6	50	57	1.15	-2215

70+50.00 EARTH

Excavation	0.3	0	0	0.85	
Fill	33.3	58	67	1.15	-2282

71+00.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	36.1	64	74	1.15	-2356

71+50.00 EARTH

GRADING REPORT

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 ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 25 OF 29
 STATE NO.: 430I40-S3-008
 PIN:133447.00
 COUNTY: HUMPHREYS

Excavation	0.2	0	0	0.85	
Fill	29.8	61	70	1.15	-2426

72+00.00 EARTH

Excavation	0.4	1	0	0.85	
Fill	27.7	53	61	1.15	-2487

72+50.00 EARTH

Excavation	0.1	0	0	0.85	
Fill	17.9	42	49	1.15	-2536

73+00.00 EARTH

Excavation	0.0	0	0	0.85	
Fill	8.6	25	28	1.15	-2564

73+50.00 EARTH

Excavation	0.1	0	0	0.85	
Fill	1.9	10	11	1.15	-2575

74+00.00 EARTH

Excavation	1.2	1	1	0.85	
Fill	0.5	2	3	1.15	-2577

74+50.00 EARTH

Excavation	1.7	3	2	0.85	
Fill	0.0	0	1	1.15	-2576

75+00.00 EARTH

Excavation	5.9	7	6	0.85	
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ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET **26** OF **29**
STATE NO.: 430I40-S3-008
PIN:133447.00
COUNTY: HUMPHREYS

Fill	0.0	0	0	1.15	-2570
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GRADING REPORT

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FEDERAL PROJECT NO:
ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 27 OF 29
STATE NO.: 430I40-S3-008
PIN:133447.00
COUNTY: HUMPHREYS

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	35	29	0.85
Fill	2257	2599	1.15

GRADING REPORT

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FEDERAL PROJECT NO:
ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 28 OF 29
STATE NO.: 430I40-S3-008
PIN:133447.00
COUNTY: HUMPHREYS

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	Mult
		Volume	Volume	Volume	Volume	Factor
		(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)	

EARTH						
	Excavation	35	29	0	0	0.85
	Fill	2257	2599	0	0	1.15

GRADING REPORT

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CHECKED BY:JDW
FEDERAL PROJECT NO:
ROUTE NO. OR STREET:I40 AT SR-13 INTERCHANGE

SHEET 29 OF 29
STATE NO.: 430I40-S3-008
PIN:133447.00
COUNTY: HUMPHREYS

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						
Excavation	4647	3949	0	0	0.85	
Fill	975	975	0	0	1.00	