

STATE OF NEVADA

DEPARTMENT OF TRANSPORTATION

MATERIALS DIVISION

GEOTECHNICAL SECTION

LINE SAMPLING DATA

**US50, Lyon County, from Roy's Road to the
Junction with US95A**

Cum. Mile LY 19.90 to LY 29.44

Part I

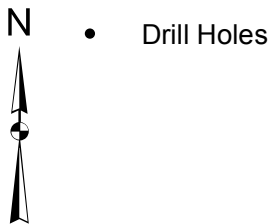
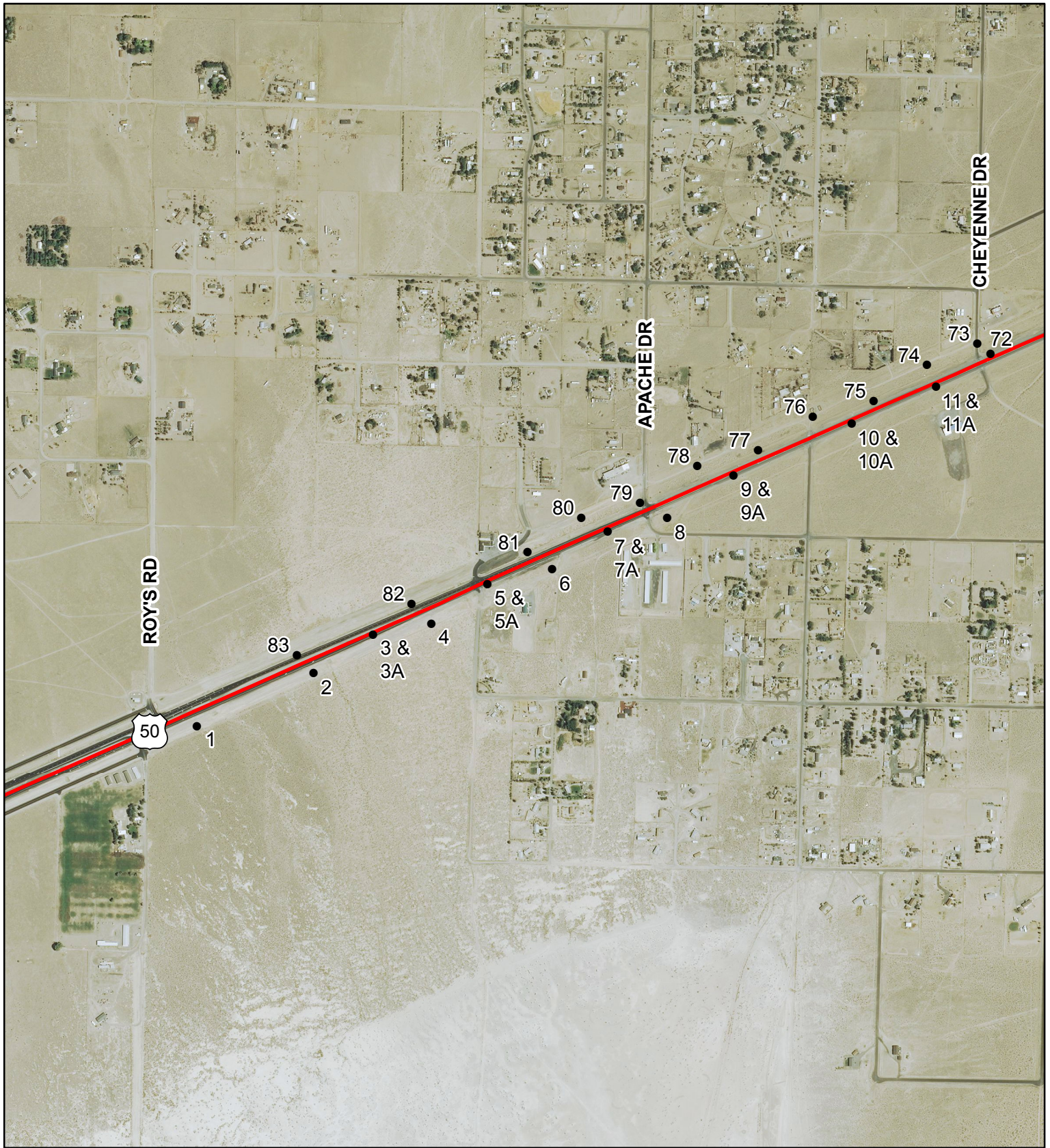
LYON COUNTY, NEVADA

EA 60715

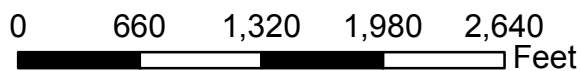
January 2017

This report presents laboratory test results consisting of gradation, liquid limit, plasticity index, and R-value data only. No interpretations of the data are presented. The tests were performed on samples collected at the locations and depths indicated on the individual data sheets. Each boring was advanced with a 6-inch solid-stem auger. Samples were collected from cuttings brought to the surface on auger flights while advancing borings the corresponding depth intervals. Tests were performed in accordance with Nevada standard test procedures. Individual samples might not be representative of the depth intervals indicated:

- Each sample is a mixture of strata encountered within the depth penetrated and is not necessarily representative of an individual stratum.
- Oversized material might not be brought to the surface and included in the sample.
- Deeper samples inevitably contain some material from the sides of the borehole above the sample interval.
- Drilling action might break individual particles into smaller pieces.



**US-50 from just east of Roy's Rd to
just east of Ramsey Weeks Cutoff.
LY 20.39 to LY 25.61**



1:12,500

THIS MAP IS FOR DISPLAY PURPOSES ONLY.
MAP COMPILED FROM BEST AVAILABLE DATA SOURCES.
NOT ALL FEATURES PORTRAYED DUE TO SCALE.

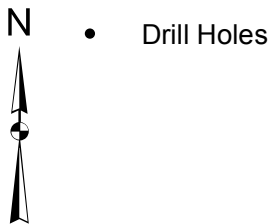
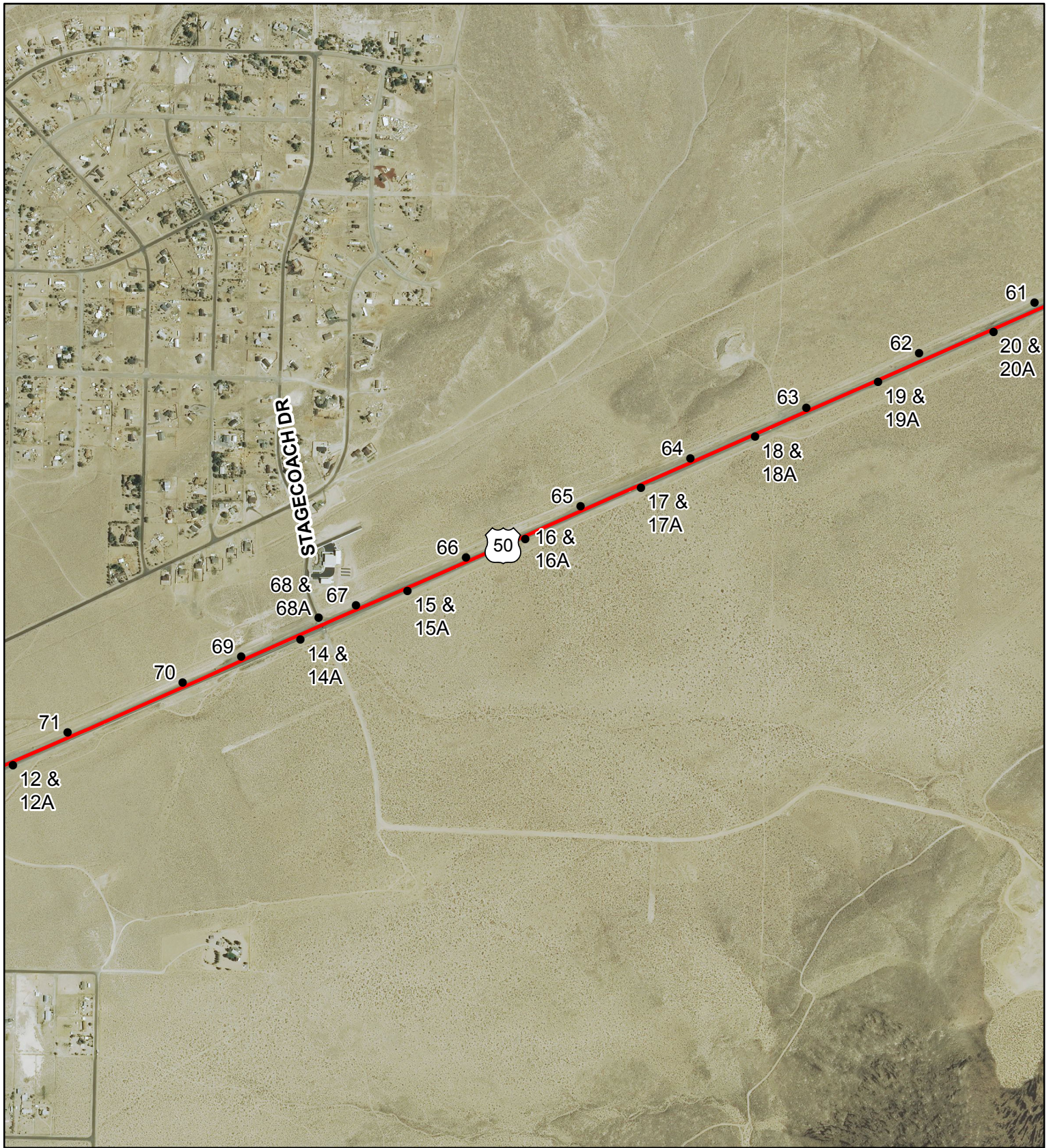


Brian Sandoval
Governor

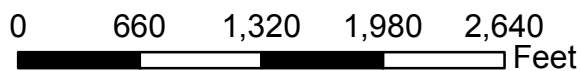


Rudy Malfabon, P.E.
Director

Nevada Department of Transportation
1263 South Stewart Street
Carson City, Nevada 89712
(775) 888-7000



**US-50 from just east of Roy's Rd to
just east of Ramsey Weeks Cutoff.
LY 20.39 to LY 25.61**



1:12,500

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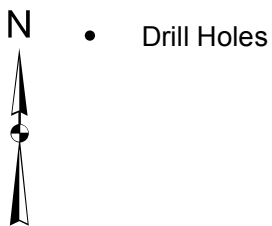
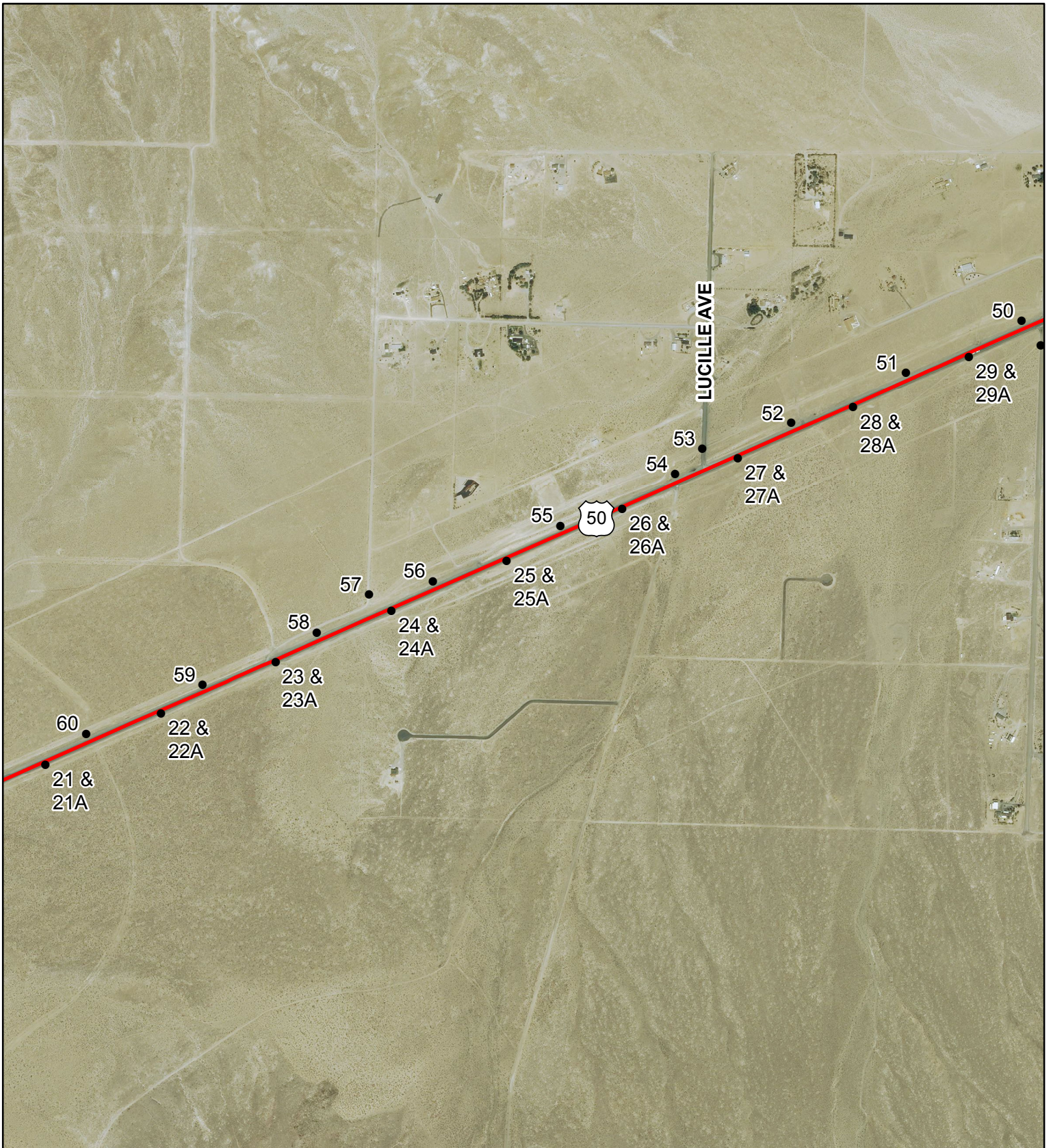


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Governor

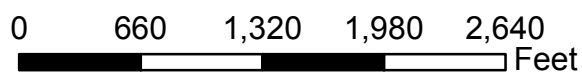


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**US-50 from just east of Roy's Rd to
just east of Ramsey Weeks Cutoff.
LY 20.39 to LY 25.61**



1:12,500

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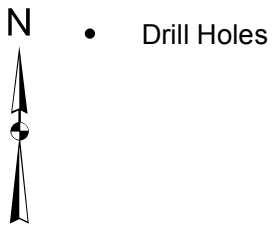
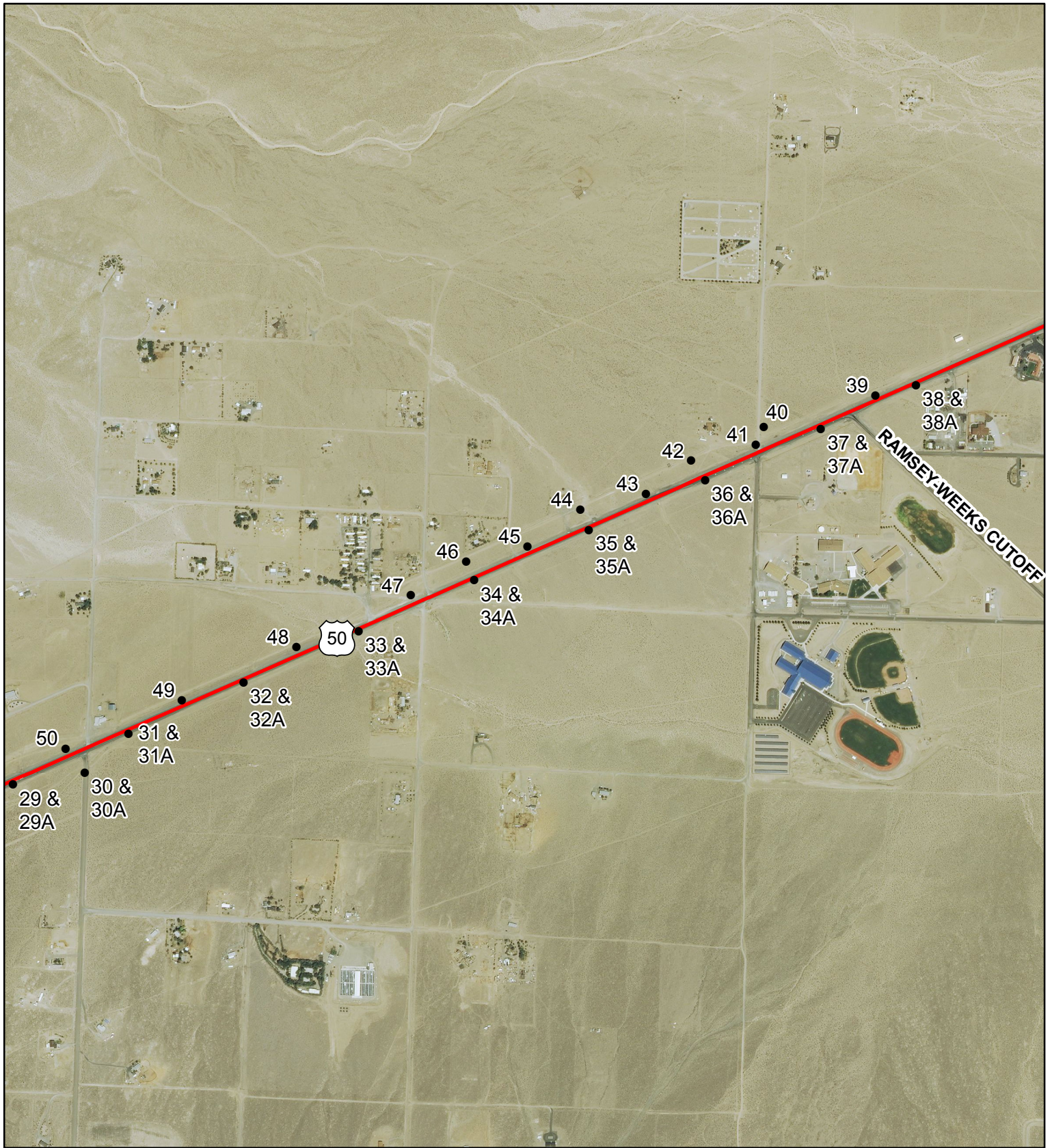


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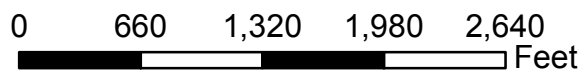


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**US-50 from just east of Roy's Rd to
just east of Ramsey Weeks Cutoff.
LY 20.39 to LY 25.61**



1:12,500

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MAP COMPILED FROM BEST AVAILABLE DATA SOURCES.
NOT ALL FEATURES PORTRAYED DUE TO SCALE.



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LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-201-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1100+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 120'
 Sample No.: 1 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" Tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	99
No. 10	96
No. 16	92
No. 40	83
No. 50	79
No. 100	69
No. 200	56

Liquid Limit 34
 Plastic Index 16
 Specific Gravity _____
 Resistance Value 15
 Cover Stabilometer _____
 Thickness 17.4 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-6(6)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-202-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1110+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 120'
 Sample No.: 2 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" Tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt, Sand	2--
4--	Extremely Lt. Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	99
No. 10	97
No. 16	96
No. 40	89
No. 50	87
No. 100	82
No. 200	76

Liquid Limit 44
 Plastic Index 22
 Specific Gravity _____
 Resistance Value 20
 Cover Stabilometer _____
 Thickness 16.3 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-7-6(16)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-203-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1115+31 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 20'
 Sample No.: 3 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____

 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt, Sand, Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	96
1/2"	83
3/8"	76
No. 4	58
No. 10	43
No. 16	36
No. 40	26
No. 50	23
No. 100	17
No. 200	13

Liquid Limit 24
 Plastic Index 4
 Specific Gravity _____
 Resistance Value 74
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 5.1
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-204-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1115+31 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 20'
 Sample No.: 3A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	silt, sand, vry lt grvl, clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	98
1/2"	96
3/8"	95
No. 4	92
No. 10	86
No. 16	83
No. 40	75
No. 50	71
No. 100	63
No. 200	51

Liquid Limit 30
 Plastic Index 14
 Specific Gravity _____
 Resistance Value 26
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 20.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-6(4)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-205-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1120+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 130'
 Sample No.: 4 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	
No. 4	100
No. 10	96
No. 16	93
No. 40	86
No. 50	84
No. 100	79
No. 200	70

Liquid Limit 40
 Plastic Index 18
 Specific Gravity _____
 Resistance Value 25
 Cover Stabilometer _____
 Thickness 15.1 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-6(11)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-206-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1126+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 20'
 Sample No.: 5 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt, Sand, Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	97
1/2"	74
3/8"	65
No. 4	45
No. 10	32
No. 16	27
No. 40	20
No. 50	18
No. 100	15
No. 200	11

Liquid Limit 23
 Plastic Index 4
 Specific Gravity _____
 Resistance Value 73
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 5.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-207-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1126+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 20'
 Sample No.: 5A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	Silt, Sand, Lt Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	99
3/8"	95
No. 4	91
No. 10	85
No. 16	80
No. 40	70
No. 50	66
No. 100	56
No. 200	42

Liquid Limit 25
 Plastic Index 8
 Specific Gravity _____
 Resistance Value 28
 Cover Stabilometer _____
 Thickness 19.7 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-208-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1130+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 125'
 Sample No.: 6 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 3" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt, Sand	2--
4--	Extremely Lt. Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	99
3/8"	97
No. 4	91
No. 10	81
No. 16	75
No. 40	63
No. 50	59
No. 100	50
No. 200	41

Liquid Limit 44
 Plastic Index 24
 Specific Gravity _____
 Resistance Value 20
 Cover Stabilometer _____
 Thickness 16.3 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-7-6(5)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-209-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1135+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 35'
 Sample No.: 7 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt, Sand, Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	98
1/2"	80
3/8"	73
No. 4	53
No. 10	42
No. 16	37
No. 40	27
No. 50	23
No. 100	17
No. 200	12

Liquid Limit 22
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 62
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 8.9
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-210-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1135+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 35'
 Sample No.: 7A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2--
4--	silt, sand, vry lt grvl, clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	97
1/2"	94
3/8"	93
No. 4	90
No. 10	85
No. 16	82
No. 40	73
No. 50	69
No. 100	59
No. 200	43

Liquid Limit 26
 Plastic Index 10
 Specific Gravity _____
 Resistance Value 29
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 19.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-4(1)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-211-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1139+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 130'
 Sample No.: 8 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	98
No. 10	94
No. 16	90
No. 40	77
No. 50	69
No. 100	52
No. 200	33

Liquid Limit 20
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 16
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 17.2
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-212-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1145+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 30'
 Sample No.: 9 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt, Sand, Gravel	2
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	95
3/4"	91
1/2"	75
3/8"	64
No. 4	48
No. 10	38
No. 16	34
No. 40	25
No. 50	21
No. 100	15
No. 200	11

Liquid Limit 21
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 41
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 15.6
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-213-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1145+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 30'
 Sample No.: 9A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	silt sand lt grvl lt clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	90
3/8"	86
No. 4	78
No. 10	70
No. 16	66
No. 40	55
No. 50	49
No. 100	35
No. 200	24

Liquid Limit 19
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 60
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 9.5
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-214-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1155+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 30'
 Sample No.: 10 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt, Sand, Gravel, Clay	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	83
3/8"	72
No. 4	54
No. 10	42
No. 16	36
No. 40	26
No. 50	22
No. 100	16
No. 200	11

Liquid Limit 20
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 39
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 16.2
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-215-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1155+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 30'
 Sample No.: 10A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	silt sand lt grvl lt clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	94
3/8"	92
No. 4	82
No. 10	73
No. 16	68
No. 40	48
No. 50	39
No. 100	27
No. 200	20

Liquid Limit 18
 Plastic Index NP
 Specific Gravity _____
 Resistance Value 72
 Cover Stabilometer _____
 Thickness 5.7 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-216-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1165+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 35'
 Sample No.: 11 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	silt sand gravel clay	2
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	86
3/8"	80
No. 4	63
No. 10	49
No. 16	43
No. 40	31
No. 50	27
No. 100	19
No. 200	14

Liquid Limit 20
 Plastic Index 1
 Specific Gravity _____
 Resistance Value 69
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 6.7
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-217-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1165+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 35'
 Sample No.: 11A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____

 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	silt sand lt grvl lt clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	99
3/8"	97
No. 4	93
No. 10	89
No. 16	86
No. 40	73
No. 50	64
No. 100	44
No. 200	28

Liquid Limit 19
 Plastic Index 1
 Specific Gravity _____
 Resistance Value 41
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 15.6
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-218-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1175+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 20'
 Sample No.: 12 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel lt Clay	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	98
1/2"	93
3/8"	82
No. 4	66
No. 10	55
No. 16	49
No. 40	37
No. 50	32
No. 100	23
No. 200	17

Liquid Limit 25
 Plastic Index 5
 Specific Gravity _____
 Resistance Value 68
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 7.0
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-219-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1175+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 20'
 Sample No.: 12A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	silt sand lt grvl lt clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	97
3/8"	96
No. 4	93
No. 10	88
No. 16	85
No. 40	71
No. 50	62
No. 100	41
No. 200	27

Liquid Limit 19
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 58
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 10.2
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-220-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1200+50 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 40'
 Sample No.: 14 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	99
3/4"	95
1/2"	78
3/8"	72
No. 4	65
No. 10	56
No. 16	51
No. 40	40
No. 50	35
No. 100	24
No. 200	17

Liquid Limit 21
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 62
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 8.9
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-221-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1200+50 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 40'
 Sample No.: 14A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____

 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	Silt Sand Vry Lt Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	94
1/2"	89
3/8"	88
No. 4	85
No. 10	80
No. 16	77
No. 40	64
No. 50	56
No. 100	38
No. 200	25

Liquid Limit 19
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 59
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 9.9
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-222-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1210+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 20'
 Sample No.: 15 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	97
1/2"	71
3/8"	61
No. 4	48
No. 10	37
No. 16	32
No. 40	23
No. 50	20
No. 100	14
No. 200	10

Liquid Limit 21
 Plastic Index 1
 Specific Gravity _____
 Resistance Value 69
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 6.7
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-223-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1210+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 20'
 Sample No.: 15A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____

 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2--
4--	Silt, Sand, Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	100
3/8"	95
No. 4	89
No. 10	80
No. 16	74
No. 40	61
No. 50	55
No. 100	42
No. 200	31

Liquid Limit 19
 Plastic Index NP
 Specific Gravity _____
 Resistance Value 71
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 6.0
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-224-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1220+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 16 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	87
3/8"	80
No. 4	63
No. 10	47
No. 16	41
No. 40	30
No. 50	25
No. 100	18
No. 200	13

Liquid Limit 21
 Plastic Index 1
 Specific Gravity _____
 Resistance Value 72
 Cover Stabilometer _____
 Thickness 5.7 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-225-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1220+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 16A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--		2
4--	Silt Sand Very Lt Clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	100
3/8"	98
No. 4	94
No. 10	88
No. 16	84
No. 40	71
No. 50	65
No. 100	53
No. 200	40

Liquid Limit 24
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 72
 Cover Stabilometer _____
 Thickness 5.7 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-226-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1230+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 17 County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--		100
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--	Silt Sand Gravel	2--
Cut Section <input type="checkbox"/> Fill Section <input checked="" type="checkbox"/>	4--		4--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: _____	10--		10--
	12--		12--
	14--		14--
	16--		16--
Submitted By: <u>ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	98
1/2"	69
3/8"	61
No. 4	49
No. 10	40
No. 16	35
No. 40	26
No. 50	22
No. 100	16
No. 200	12

Liquid Limit	<u>20</u>	
Plastic Index	<u>2</u>	
Specific Gravity	_____	
Resistance Value	<u>69</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>6.7</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-a</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-227-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1230+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 17A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	Silt Sand Gravel Lt Clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	96
1/2"	87
3/8"	81
No. 4	71
No. 10	62
No. 16	59
No. 40	49
No. 50	43
No. 100	30
No. 200	21

Liquid Limit 18
 Plastic Index 1
 Specific Gravity _____
 Resistance Value 29
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 19.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-228-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1240+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 18 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	95
1/2"	72
3/8"	66
No. 4	51
No. 10	39
No. 16	34
No. 40	24
No. 50	20
No. 100	15
No. 200	11

Liquid Limit 21
 Plastic Index 1
 Specific Gravity _____
 Resistance Value 49
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 13.0
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-229-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1240+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 18A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--		2
4--	Silt Sand Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	99
3/4"	99
1/2"	97
3/8"	92
No. 4	86
No. 10	80
No. 16	77
No. 40	66
No. 50	60
No. 100	44
No. 200	30

Liquid Limit 24
 Plastic Index 8
 Specific Gravity _____
 Resistance Value 30
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 19.1
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-230-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1250+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 19 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Grave	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	95
1/2"	81
3/8"	68
No. 4	48
No. 10	35
No. 16	29
No. 40	21
No. 50	17
No. 100	13
No. 200	9

Liquid Limit 16
 Plastic Index NP
 Specific Gravity _____
 Resistance Value 73
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 5.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-231-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1250+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 19A County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--		100
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--		2
Cut Section <input checked="" type="checkbox"/> Fill Section <input type="checkbox"/>	4--	Silt Sand Gravel	4--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: _____	10--		10--
	12--		12--
	14--		14--
	16--		16--
	18--		18--
Submitted By: <u>ALTAMIRANO</u>	20--		20--
Title: <u>Engineering Technician III</u>			

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	99
3/4"	97
1/2"	79
3/8"	67
No. 4	50
No. 10	38
No. 16	34
No. 40	26
No. 50	23
No. 100	17
No. 200	13

Liquid Limit	<u>22</u>	
Plastic Index	<u>2</u>	
Specific Gravity	_____	
Resistance Value	<u>69</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>6.7</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-2-6(0)</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-232-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1260+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 20 County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/> Cut Section <input type="checkbox"/> Fill Section <input checked="" type="checkbox"/> Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: _____ _____ _____ Submitted By: <u>ALTAMIRANO</u> Title: <u>Engineering Technician III</u>	0--		100
	2--	Silt Sand Gravel	2
	4--		4--
	6--		6--
	8--		8--
	10--		10--
	12--		12--
	14--		14--
	16--		16--
	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	94
1/2"	73
3/8"	64
No. 4	47
No. 10	36
No. 16	31
No. 40	22
No. 50	18
No. 100	13
No. 200	10

Liquid Limit	<u>22</u>	
Plastic Index	<u>NP</u>	
Specific Gravity	_____	
Resistance Value	<u>76</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>4.5</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-a</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-233-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1260+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 20A County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--		100
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--		2
Cut Section <input type="checkbox"/> Fill Section <input checked="" type="checkbox"/>	4--	Silt Sand Gravel	4--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: _____	10--		10--
	12--		12--
	14--		14--
	16--		16--
	18--		18--
Submitted By: <u>ALTAMIRANO</u>	20--		20--
Title: <u>Engineering Technician III</u>			

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	99
3/4"	96
1/2"	82
3/8"	71
No. 4	58
No. 10	48
No. 16	43
No. 40	35
No. 50	31
No. 100	24
No. 200	18

Liquid Limit	<u>26</u>	
Plastic Index	<u>8</u>	
Specific Gravity	_____	
Resistance Value	<u>39</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>16.2</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-2-4(0)</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-234-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1270+00 Route: US 50
Wimer, MCFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 21 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" Tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	93
1/2"	75
3/8"	64
No. 4	46
No. 10	36
No. 16	31
No. 40	22
No. 50	19
No. 100	13
No. 200	10

Liquid Limit 23
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 62
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 8.9
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-235-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1270+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 21A County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--		100
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--		2--
Cut Section <input checked="" type="checkbox"/> Fill Section <input type="checkbox"/>	4--	Silt Sand Gravel	4--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: <u>6" Tall cheat grass</u>	10--		10--
	12--		12--
	14--		14--
	16--		16--
Submitted By: <u>ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	91
3/4"	87
1/2"	77
3/8"	66
No. 4	52
No. 10	40
No. 16	36
No. 40	28
No. 50	25
No. 100	19
No. 200	14

Liquid Limit	<u>25</u>	
Plastic Index	<u>3</u>	
Specific Gravity	_____	
Resistance Value	<u>75</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>4.8</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-a</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
Lab No.: S11-03, RV-236-11
E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
Date Rec'd 6/13/11
Samplers: Altamirano, Rigsby Station "X2" 1280+00 Route US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
Sample No.: 22 County: LYON

Sample Type: _____
RV Sub Chem DC Other
Vegetation: None Trees Shrubs
Brushy Grassy
Cut Section Fill Section
Taken Through Oil Taken on Shoulder
Gravel Depth (in) _____ Oil Depth (in) _____
Remarks: _____
Submitted By: ALTAMIRANO
Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	96
1/2"	77
3/8"	69
No. 4	53
No. 10	41
No. 16	37
No. 40	26
No. 50	22
No. 100	16
No. 200	12

Liquid Limit 23
Plastic Index 2
Specific Gravity _____
Resistance Value 41
Cover Stabilometer _____ Expansion Pressure _____
Thickness 15.6
Sand Equivalent _____
Natural Moisture, % _____
Resistivity _____
pH Factor _____
AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-245-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1280+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 22A County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--		100
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--		2--
Cut Section <input checked="" type="checkbox"/> Fill Section <input type="checkbox"/>	4--	Silt Sand Gravel	4--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: _____	10--		10--
	12--		12--
	14--		14--
	16--		16--
Submitted By: <u>ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	91
3/4"	88
1/2"	74
3/8"	65
No. 4	49
No. 10	38
No. 16	33
No. 40	25
No. 50	22
No. 100	16
No. 200	12

Liquid Limit	<u>22</u>	
Plastic Index	<u>NP</u>	
Specific Gravity	_____	
Resistance Value	<u>73</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>5.4</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-a</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-246-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1290+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 23 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	91
1/2"	81
3/8"	69
No. 4	49
No. 10	36
No. 16	31
No. 40	22
No. 50	19
No. 100	14
No. 200	10

Liquid Limit 21
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 51
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 12.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-247-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1290+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 23A County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/> Cut Section <input type="checkbox"/> Fill Section <input checked="" type="checkbox"/> Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: _____ _____ Submitted By: <u>ALTAMIRANO</u> Title: <u>Engineering Technician III</u>	0--		100
	2--		2--
	4--	Silt Sand Gravel Lt Clay	4--
	6--		6--
	8--		8--
	10--		10--
	12--		12--
	14--		14--
	16--		16--
	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	97
1/2"	91
3/8"	87
No. 4	76
No. 10	68
No. 16	64
No. 40	55
No. 50	50
No. 100	40
No. 200	31

Liquid Limit	<u>29</u>	
Plastic Index	<u>10</u>	
Specific Gravity	_____	
Resistance Value	<u>46</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>14.0</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-2-4(0)</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-248-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1300+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 24 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	94
3/4"	90
1/2"	79
3/8"	69
No. 4	52
No. 10	39
No. 16	34
No. 40	23
No. 50	19
No. 100	13
No. 200	10

Liquid Limit 20
 Plastic Index NP
 Specific Gravity _____
 Resistance Value 82
 Cover Stabilometer _____
 Thickness 2.5 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-249-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Rigsby Station: "X2" 1300+00 Route: US 50
Wimer, McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 24A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2--
4--	Silt Sand Vry Lt Gvl Lt Clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	96
1/2"	91
3/8"	89
No. 4	83
No. 10	76
No. 16	71
No. 40	59
No. 50	54
No. 100	45
No. 200	36

Liquid Limit 29
 Plastic Index 6
 Specific Gravity _____
 Resistance Value 64
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 8.3
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-250-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1310+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 25 County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--		100
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--	Silt Sand Gravel	2--
Cut Section <input checked="" type="checkbox"/> Fill Section <input type="checkbox"/>	4--		4--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: _____	10--		10--
	12--		12--
	14--		14--
	16--		16--
Submitted By: <u>ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	91
1/2"	74
3/8"	66
No. 4	51
No. 10	39
No. 16	35
No. 40	25
No. 50	21
No. 100	16
No. 200	12

Liquid Limit	<u>23</u>	
Plastic Index	<u>2</u>	
Specific Gravity	_____	
Resistance Value	<u>82</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>2.5</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-a</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-251-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1310+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 25A County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--		100
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--		2
Cut Section <input checked="" type="checkbox"/> Fill Section <input type="checkbox"/>	4--	Silt Sand	4--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: _____	10--		10--
	12--		12--
	14--		14--
	16--		16--
Submitted By: <u>ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	99
3/8"	99
No. 4	94
No. 10	85
No. 16	79
No. 40	65
No. 50	60
No. 100	50
No. 200	41

Liquid Limit	<u>13</u>	
Plastic Index	<u>NP</u>	
Specific Gravity	_____	
Resistance Value	<u>69</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>6.4</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-4(0)</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-252-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, MCFarren Station: "X2" 1320+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 26 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	97
1/2"	81
3/8"	68
No. 4	51
No. 10	39
No. 16	34
No. 40	24
No. 50	20
No. 100	15
No. 200	12

Liquid Limit 15
 Plastic Index NP
 Specific Gravity _____
 Resistance Value 81
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 2.9
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-253-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1320+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 26A County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/> Cut Section <input type="checkbox"/> Fill Section <input checked="" type="checkbox"/> Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: _____ _____ _____ Submitted By: <u>ALTAMIRANO</u> Title: <u>Engineering Technician III</u>	0-- 2-- 4-- 6-- 8-- 10-- 12-- 14-- 16-- 18-- 20--	0-- 2-- 4-- 6-- 8-- 10-- 12-- 14-- 16-- 18-- 20-- Silt Sand Vry Lt Gravel	100

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	97
3/8"	92
No. 4	86
No. 10	77
No. 16	72
No. 40	60
No. 50	55
No. 100	46
No. 200	37

Liquid Limit	<u>19</u>	
Plastic Index	<u>NP</u>	
Specific Gravity	_____	
Resistance Value	<u>66</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>7.6</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-4(0)</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-275-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1330+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 27 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	96
1/2"	78
3/8"	70
No. 4	53
No. 10	40
No. 16	35
No. 40	26
No. 50	22
No. 100	16
No. 200	12

Liquid Limit 28
 Plastic Index 8
 Specific Gravity _____
 Resistance Value 75
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 4.8
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-276-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1330+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 27A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____

 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2--
4--	silt sand vry lt grvl lt clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	97
1/2"	85
3/8"	83
No. 4	74
No. 10	67
No. 16	63
No. 40	55
No. 50	50
No. 100	38
No. 200	30

Liquid Limit 34
 Plastic Index 11
 Specific Gravity _____
 Resistance Value 55
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 11.1
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-6(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-277-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1340+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 28 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	79
3/8"	67
No. 4	50
No. 10	37
No. 16	31
No. 40	23
No. 50	20
No. 100	14
No. 200	11

Liquid Limit 23
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 78
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 3.8
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-278-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1340+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 28A County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/> Cut Section <input checked="" type="checkbox"/> Fill Section <input type="checkbox"/> Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: _____ _____ Submitted By: <u>ALTAMIRANO</u> Title: <u>Engineering Technician III</u>	0--		100
	2--		2
	4--	Silt Sand Gravel Lt Clay	4--
	6--		6--
	8--		8--
	10--		10--
	12--		12--
	14--		14--
	16--		16--
	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	92
3/8"	86
No. 4	73
No. 10	63
No. 16	59
No. 40	50
No. 50	45
No. 100	33
No. 200	25

Liquid Limit	<u>30</u>	
Plastic Index	<u>12</u>	
Specific Gravity	_____	
Resistance Value	<u>52</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>12.1</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-2-6(0)</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-279-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1350+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 30'
 Sample No.: 29 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	98
1/2"	82
3/8"	72
No. 4	57
No. 10	44
No. 16	38
No. 40	28
No. 50	24
No. 100	17
No. 200	12

Liquid Limit 28
 Plastic Index 5
 Specific Gravity _____
 Resistance Value 81
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 2.9
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-280-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1350+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 30'
 Sample No.: 29A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: From 2½ to 3½ 300 PSI was applied due cobble
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		300
2--		100
4--	Silt Sand Gravel	
6--		
8--		
10--		
12--		
14--		
16--		
18--		
20--		

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	93
3/8"	85
No. 4	74
No. 10	62
No. 16	57
No. 40	48
No. 50	44
No. 100	34
No. 200	27

Liquid Limit 30
 Plastic Index 12
 Specific Gravity _____
 Resistance Value 65
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 8.0
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-6(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-281-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/15/11
 Samplers: Altamirano, McFarren Station: "X2" 1355+70 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 160'
 Sample No.: 30 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) 0 Oil Depth (in) 5
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--	Oil	0--
2--	Silt Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	95
3/4"	92
1/2"	87
3/8"	86
No. 4	76
No. 10	67
No. 16	62
No. 40	51
No. 50	42
No. 100	25
No. 200	17

Liquid Limit 19
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 81
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 2.1
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-282-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1360+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 30'
 Sample No.: 31 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	87
3/8"	79
No. 4	64
No. 10	50
No. 16	44
No. 40	34
No. 50	29
No. 100	21
No. 200	15

Liquid Limit 24
 Plastic Index 6
 Specific Gravity _____
 Resistance Value 73
 Cover Stabilometer _____
 Thickness 5.4 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-283-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1360+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 30'
 Sample No.: 31A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--		2
4--	Silt Sand Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	98
3/8"	95
No. 4	88
No. 10	81
No. 16	78
No. 40	69
No. 50	61
No. 100	43
No. 200	33

Liquid Limit 24
 Plastic Index 10
 Specific Gravity _____
 Resistance Value 28
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 19.7
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-284-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1370+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 32 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	94
3/4"	91
1/2"	72
3/8"	61
No. 4	47
No. 10	39
No. 16	35
No. 40	27
No. 50	23
No. 100	17
No. 200	12

Liquid Limit 32
 Plastic Index 16
 Specific Gravity _____
 Resistance Value 60
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 9.5
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-6(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-285-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, McFarren Station: "X2" 1370+00 Route: US 50
Wimer Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 32A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	Silt Sand Gravel Clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	99
1/2"	94
3/8"	87
No. 4	81
No. 10	73
No. 16	69
No. 40	61
No. 50	55
No. 100	39
No. 200	30

Liquid Limit 28
 Plastic Index 14
 Specific Gravity _____
 Resistance Value 29
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 19.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-6(1)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-286-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Baker Station: "X2" 1380+00 Route: US 50
McFarren Location from CL (ft): _____ Lt. _____ Rt. 25'
 Sample No.: 33 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	87
3/8"	75
No. 4	59
No. 10	46
No. 16	41
No. 40	29
No. 50	24
No. 100	17
No. 200	12

Liquid Limit 20
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 76
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 4.5
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-288-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Baker Station: "X2" 1390+00 Route: US 50
McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 34 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	97
1/2"	83
3/8"	73
No. 4	56
No. 10	43
No. 16	37
No. 40	27
No. 50	23
No. 100	17
No. 200	13

Liquid Limit 21
 Plastic Index 4
 Specific Gravity _____
 Resistance Value 53
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 11.8
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-290-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Baker Station: "X2" 1390+00 Route: US 50
McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 34A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--		2
4--	Silt Sand Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	95
3/8"	88
No. 4	74
No. 10	61
No. 16	55
No. 40	45
No. 50	41
No. 100	33
No. 200	25

Liquid Limit 23
 Plastic Index 6
 Specific Gravity _____
 Resistance Value 64
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 8.3
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-291-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd 6/13/11
 Samplers: Altamirano, Baker Station "X2" 1400+00 Route US 50
McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 35 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	96
1/2"	72
3/8"	65
No. 4	51
No. 10	39
No. 16	34
No. 40	25
No. 50	21
No. 100	15
No. 200	12

Liquid Limit 20
 Plastic Index 4
 Specific Gravity _____
 Resistance Value 57
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 10.5
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-292-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Baker Station: "X2" 1400+00 Route: US 50
McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 35A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	Silt Sand Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	99
3/4"	99
1/2"	94
3/8"	89
No. 4	78
No. 10	66
No. 16	59
No. 40	47
No. 50	42
No. 100	34
No. 200	27

Liquid Limit 24
 Plastic Index 8
 Specific Gravity _____
 Resistance Value 50
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 12.7
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-294-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Baker Station: "X2" 1410+00 Route: US 50
McFarren Location from CL (ft) Lt. _____ Rt. 36'
 Sample No.: 36A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	Silt Sand Gravel Clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	97
1/2"	81
3/8"	71
No. 4	60
No. 10	51
No. 16	46
No. 40	38
No. 50	33
No. 100	25
No. 200	19

Liquid Limit 22
 Plastic Index 7
 Specific Gravity _____
 Resistance Value 41
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 15.6
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-295-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd 6/13/11
 Samplers: Altamirano, Baker Station "X2" 1420+00 Route US 50
McFarren Location from CL (ft) _____ Lt. _____ Rt. 35'
 Sample No.: 37 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt Sand Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	89
3/8"	78
No. 4	60
No. 10	47
No. 16	41
No. 40	30
No. 50	25
No. 100	18
No. 200	13

Liquid Limit 19
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 57
 Cover Stabilometer _____
 Thickness 10.5 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-296-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/13/11
 Samplers: Altamirano, Baker Station: "X2" 1420+00 Route: US 50
McFarren Location from CL (ft) Lt. _____ Rt. 35'
 Sample No.: 37A County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--		2
4--	Silt Sand Gravel Clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	97
1/2"	93
3/8"	86
No. 4	71
No. 10	57
No. 16	50
No. 40	38
No. 50	34
No. 100	26
No. 200	20

Liquid Limit 21
 Plastic Index 5
 Specific Gravity _____
 Resistance Value 65
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 8.0
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
Lab No.: S11-03, RV-297-11
E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
Date Rec'd: 6/13/11
Samplers: Altamirano, Baker Station: "X2" 1428+37 Route: US 50
McFarren Location from CL (ft) Lt. _____ Rt. 25'
Sample No.: 38 County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--		100
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--	Silt Sand Gravel	2--
Cut Section <input type="checkbox"/> Fill Section <input checked="" type="checkbox"/>	4--		4--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: _____	10--		10--
	12--		12--
	14--		14--
	16--		16--
	18--		18--
	20--		20--

Submitted By: ALTAMIRANO
Title: Engineering Technician III

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	81
3/8"	69
No. 4	54
No. 10	40
No. 16	35
No. 40	25
No. 50	21
No. 100	15
No. 200	11

Liquid Limit 21
Plastic Index 5
Specific Gravity _____
Resistance Value 39
Cover Stabilometer _____
Thickness 16.2 Expansion Pressure _____
Sand Equivalent _____
Natural Moisture, % _____
Resistivity _____
pH Factor _____
AASHTO Classification A-1-a

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-298-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd 6/13/11
 Samplers: Altamirano, Baker Station "X2" 1428+37 Route US 50
McFarren Location from CL (ft) Lt. _____ Rt. 25'
 Sample No.: 38A County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--		100
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--		2
Cut Section <input type="checkbox"/> Fill Section <input checked="" type="checkbox"/>	4--	Silt Sand Gravel Lt Clay	4--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: _____	10--		10--
	12--		12--
	14--		14--
	16--		16--
	18--		18--
Submitted By: <u>ALTAMIRANO</u>	20--		20--
Title: <u>Engineering Technician III</u>			

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	98
1/2"	96
3/8"	93
No. 4	86
No. 10	77
No. 16	71
No. 40	60
No. 50	56
No. 100	46
No. 200	36

Liquid Limit	<u>24</u>	
Plastic Index	<u>8</u>	
Specific Gravity	_____	
Resistance Value	<u>43</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>14.9</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-4(0)</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-299-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1425+00 Route: US 50
 Location from CL (ft) Lt. 50' Rt. _____
 Sample No.: 39 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand, Very Lt Gravel	2--
4--	Very Lt Clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	95
3/8"	93
No. 4	84
No. 10	71
No. 16	63
No. 40	49
No. 50	44
No. 100	35
No. 200	30

Liquid Limit 24
 Plastic Index 10
 Specific Gravity _____
 Resistance Value 39
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 16.2
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-302-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1415+80 Route: US 50
 Location from CL (ft): _____ Lt. 170' Rt. _____
 Sample No.: 40 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 10" tall cheat grass, drill hole was drilled @
Topaz Street.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Lt Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	94
3/8"	90
No. 4	84
No. 10	78
No. 16	74
No. 40	63
No. 50	55
No. 100	38
No. 200	26

Liquid Limit 22
 Plastic Index 5
 Specific Gravity _____
 Resistance Value 70
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 4.6
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-303-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1414+80 Route: US 50
 Location from CL (ft): _____ Lt. 55' Rt. _____
 Sample No.: 41 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand, Gravel	2--
4--	Lt Clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	97
3/8"	93
No. 4	85
No. 10	73
No. 16	67
No. 40	57
No. 50	52
No. 100	41
No. 200	32

Liquid Limit 26
 Plastic Index 12
 Specific Gravity _____
 Resistance Value 29
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 19.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-6(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-304-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1410+00 Route: US 50
 Location from CL (ft) Lt. 152' Rt. _____
 Sample No.: 42 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: Drill hole was moved south 8' due to conflict with
buried utility. 8" tall cheat grass.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	90
3/8"	84
No. 4	71
No. 10	60
No. 16	53
No. 40	40
No. 50	35
No. 100	26
No. 200	18

Liquid Limit 23
 Plastic Index 5
 Specific Gravity _____
 Resistance Value 54
 Cover Stabilometer _____
 Thickness 8.4 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-305-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1405+00 Route: US 50
 Location from CL (ft) Lt. 55' Rt. _____
 County: LYON

Sample No.: 43

Sample Type: RV Sub Chem DC Other

Vegetation: None Trees Shrubs
 Brushy Grassy

Cut Section Fill Section
 Taken Through Oil Taken on Shoulder

Gravel Depth (in) _____ Oil Depth (in) _____

Remarks: 6" tall cheat grass.

Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	
4--	Gravel	
6--		
8--		
10--		
12--		
14--		
16--		
18--		
20--		

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	99
3/4"	99
1/2"	95
3/8"	94
No. 4	84
No. 10	71
No. 16	65
No. 40	53
No. 50	46
No. 100	30
No. 200	20

Liquid Limit 23
 Plastic Index 6
 Specific Gravity _____
 Resistance Value 60
 Cover Stabilometer _____
 Thickness 9.5 Expansion Pressure _____

Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-306-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1400+00 Route: US 50
 Location from CL (ft): _____ Lt. 150' Rt. _____
 Sample No.: 44 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: Drill hole was moved 10' south due to buried utility, 12" tall cheat grass.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Lt Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	99
3/4"	96
1/2"	89
3/8"	83
No. 4	72
No. 10	60
No. 16	53
No. 40	40
No. 50	36
No. 100	26
No. 200	18

Liquid Limit 25
 Plastic Index 5
 Specific Gravity _____
 Resistance Value 69
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 4.9
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: AASHTO Classification
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1395+00 Route: US 50
 Location from CL (ft) Lt. 50' Rt. _____
 Sample No.: 45 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	91
3/4"	87
1/2"	77
3/8"	70
No. 4	55
No. 10	44
No. 16	38
No. 40	27
No. 50	22
No. 100	15
No. 200	10

Liquid Limit 24
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 77
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 4.1
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-6(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-308-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1390+00 Route: US 50
 Location from CL (ft): _____ Lt. 140' Rt. _____
 Sample No.: 46 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 8" tall cheat grass, drill hole was drilled 10' south
due to buried utility.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Very Lt Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	94
3/8"	91
No. 4	81
No. 10	67
No. 16	58
No. 40	39
No. 50	31
No. 100	20
No. 200	13

Liquid Limit 24
 Plastic Index 5
 Specific Gravity _____
 Resistance Value 72
 Cover Stabilometer _____
 Thickness 4.2 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-309-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1385+00 Route: US 50
 Location from CL (ft): _____ Lt. 70' Rt. _____
 Sample No.: 47 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Lt. Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	93
3/8"	90
No. 4	81
No. 10	72
No. 16	67
No. 40	55
No. 50	50
No. 100	37
No. 200	23

Liquid Limit 20
 Plastic Index NP
 Specific Gravity _____
 Resistance Value 75
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 4.8
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-310-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1375+00 Route: US 50
 Location from CL (ft): _____ Lt. 50' Rt. _____
 Sample No.: 48 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 4" tall cheat grass.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	95
3/8"	89
No. 4	82
No. 10	74
No. 16	71
No. 40	60
No. 50	50
No. 100	27
No. 200	18

Liquid Limit 21
 Plastic Index 6
 Specific Gravity _____
 Resistance Value 70
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 6.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-6(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-311-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1365+00 Route: US 50
 Location from CL (ft) Lt. 40' Rt. _____
 Sample No.: 49 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	94
3/8"	91
No. 4	77
No. 10	68
No. 16	64
No. 40	54
No. 50	45
No. 100	26
No. 200	18

Liquid Limit 18
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 43
 Cover Stabilometer _____
 Thickness 14.9 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-317-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1355+00 Route: US 50
 Location from CL (ft): _____ Lt. 60' Rt. _____
 Sample No.: 50 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	96
3/8"	94
No. 4	85
No. 10	79
No. 16	76
No. 40	65
No. 50	56
No. 100	34
No. 200	19

Liquid Limit 19
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 71
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 6.0
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-318-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1345+00 Route: US 50
McFarren, Wimer Location from CL (ft): Lt. 60' Rt. _____
 Sample No.: 51 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: Refusal @ 3', unable to penetrate (possibly due to
cobbles or boulders) 8" tall cheat grass.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		450
2--	Silt, Sand, Gravel	2--
4--		4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	99
3/4"	99
1/2"	93
3/8"	91
No. 4	83
No. 10	75
No. 16	72
No. 40	61
No. 50	54
No. 100	37
No. 200	25

Liquid Limit 22
 Plastic Index 4
 Specific Gravity _____
 Resistance Value 46
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 14.0
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-319-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1335+00 Route: US 50
Wimer, McFarren Location from CL (ft): Lt. 70' Rt. _____
 Sample No.: 52 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass, cobbles @ 3' possibly boulders
PSI from 4'-5' was 500 PSI.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	
4--	Gravel	500
6--		
8--		
10--		
12--		
14--		
16--		
18--		
20--		

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	84
1/2"	79
3/8"	73
No. 4	60
No. 10	49
No. 16	45
No. 40	37
No. 50	33
No. 100	23
No. 200	18

Liquid Limit 27
 Plastic Index 10
 Specific Gravity _____
 Resistance Value 28
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 19.7
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-320-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1327+80 Route: US 50
McFarren, Wimer Location from CL (ft) Lt. 160' Rt. _____
 Sample No.: 53 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 200 PSI was applied from 0-4'. 150 PSI was applied
from 4'-5', drill hole was drilled 5' left of CL of
Lucille Avenue.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--	Type II Base	0--
2--	Silt, Sand	200
4--	Gravel	150
6--	Sand	6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	94
3/4"	90
1/2"	81
3/8"	75
No. 4	65
No. 10	55
No. 16	51
No. 40	39
No. 50	32
No. 100	20
No. 200	14

Liquid Limit 19
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 78
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 2.8
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-321-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1325+00 Route: US 50
 Location from CL (ft): _____ Lt. 65' Rt. _____
 Sample No.: 54 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	93
1/2"	91
3/8"	88
No. 4	83
No. 10	77
No. 16	74
No. 40	64
No. 50	56
No. 100	36
No. 200	23

Liquid Limit 24
 Plastic Index 5
 Specific Gravity _____
 Resistance Value 62
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 8.9
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-322-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1315+00 Route: US 50
McFarren Location from CL (ft) Lt. 60' Rt. _____
 Sample No.: 55 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: Drill hole was drilled on top of cut, on the edge of
cut. 6" tall cheat grass and sagebursh was
present.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt	
4--	Sand	
6--		
8--		
10--		
12--		
14--		
16--		
18--		
20--		

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	100
3/8"	99
No. 4	94
No. 10	84
No. 16	75
No. 40	57
No. 50	50
No. 100	39
No. 200	30

Liquid Limit 33
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 71
 Cover Stabilometer _____
 Thickness 6.0 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-323-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1305+00 Route: US 50
McFarren Location from CL (ft) Lt. 70' Rt. _____
 Sample No.: 56 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass and 6" tall tumbleweed which
were green in color.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		250
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	93
3/4"	87
1/2"	85
3/8"	80
No. 4	71
No. 10	61
No. 16	56
No. 40	45
No. 50	40
No. 100	29
No. 200	20

Liquid Limit 23
 Plastic Index 4
 Specific Gravity _____
 Resistance Value 51
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 12.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-324-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: Altamirano, Rigsby Station: "X2" 1230+00 Route: US 50
McFarren, Wimer Location from CL (ft): Lt. 140' Rt. _____
 Sample No.: 57 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0-- 200
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	99
3/8"	99
No. 4	95
No. 10	89
No. 16	83
No. 40	66
No. 50	59
No. 100	46
No. 200	35

Liquid Limit 22
 Plastic Index 4
 Specific Gravity _____
 Resistance Value 64
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 6.0
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-325-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1295+00 Route: US 50
Wimer, McFarren Location from CL (ft): Lt. 65' Rt. _____
 Sample No.: 58 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	95
3/4"	93
1/2"	83
3/8"	77
No. 4	63
No. 10	50
No. 16	45
No. 40	33
No. 50	28
No. 100	19
No. 200	13

Liquid Limit 22
 Plastic Index 5
 Specific Gravity _____
 Resistance Value 79
 Cover Stabilometer _____
 Thickness 3.5 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-326-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1285+00 Route: US 50
 Location from CL (ft): _____ Lt. 50' Rt. _____
 Sample No.: 59 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: Drill hole was drilled on top of cut, on the edge
of cut. 6" tall cheat grass.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		250
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	87
1/2"	83
3/8"	77
No. 4	59
No. 10	46
No. 16	41
No. 40	33
No. 50	28
No. 100	21
No. 200	17

Liquid Limit 35
 Plastic Index 20
 Specific Gravity _____
 Resistance Value 25
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 20.7
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-6(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-327-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1275+00 Route: US 50
Wimer, McFarren Location from CL (ft): Lt. 70' Rt. _____
 Sample No.: 60 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass. Cobbles throughout hole.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel, Cobbles	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	99
3/4"	87
1/2"	78
3/8"	75
No. 4	64
No. 10	54
No. 16	50
No. 40	41
No. 50	37
No. 100	27
No. 200	21

Liquid Limit 29
 Plastic Index 10
 Specific Gravity _____
 Resistance Value 30
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 19.1
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-328-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1265+00 Route: US 50
McFarren, Wimer Location from CL (ft) Lt. 60' Rt. _____
 Sample No.: 61 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 12" tall cheat grass. Cobbles throughout.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel, Cobbles	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	99
3/4"	96
1/2"	82
3/8"	78
No. 4	62
No. 10	51
No. 16	46
No. 40	37
No. 50	32
No. 100	23
No. 200	16

Liquid Limit 25
 Plastic Index NP
 Specific Gravity _____
 Resistance Value 68
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 7.0
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-329-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1255+00 Route: US 50
McFarren, Wimer Location from CL (ft) Lt. 40' Rt. _____
 Sample No.: 62 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 12" tall cheat grass cobbles throughout.
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel, Cobbles	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	99
3/4"	98
1/2"	88
3/8"	85
No. 4	73
No. 10	63
No. 16	60
No. 40	53
No. 50	48
No. 100	37
No. 200	25

Liquid Limit 22
 Plastic Index 5
 Specific Gravity _____
 Resistance Value 44
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 14.6
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-330-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1245+00 Route: US 50
 Location from CL (ft): _____ Lt. 45' Rt. _____
 Sample No.: 63 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	100
1"	98
3/4"	94
1/2"	77
3/8"	72
No. 4	60
No. 10	51
No. 16	47
No. 40	39
No. 50	33
No. 100	23
No. 200	15

Liquid Limit 26
 Plastic Index 6
 Specific Gravity _____
 Resistance Value 51
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 12.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-331-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1235+00 Route: US 50
 Location from CL (ft) Lt. 30' Rt. _____
 Sample No.: 64 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel, Lt Clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	99
3/8"	95
No. 4	87
No. 10	78
No. 16	72
No. 40	58
No. 50	51
No. 100	37
No. 200	25

Liquid Limit 22
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 70
 Cover Stabilometer _____
 Thickness 6.4 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-332-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Wimer, Rigsby Station: "X2" 1225+00 Route: US 50
 Location from CL (ft): _____ Lt. 40' Rt. _____
 Sample No.: 65 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	94
3/8"	91
No. 4	82
No. 10	71
No. 16	65
No. 40	52
No. 50	45
No. 100	27
No. 200	16

Liquid Limit 22
 Plastic Index NP
 Specific Gravity _____
 Resistance Value 76
 Cover Stabilometer _____
 Thickness 4.5 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-333-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Altamirano, Rigsby Station: "X2" 1215+00 Route: US 50
 Location from CL (ft) Lt. 30' Rt. _____
 Sample No.: 66 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	92
3/8"	90
No. 4	81
No. 10	71
No. 16	64
No. 40	51
No. 50	44
No. 100	29
No. 200	19

Liquid Limit 22
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 76
 Cover Stabilometer _____
 Thickness 4.5 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-334-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/23/11
 Samplers: Wimer, Rigsby Station: "X2" 1205+00 Route: US 50
 Location from CL (ft): _____ Lt. 30' Rt. _____
 Sample No.: 67 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt, Sand	2--
4--	Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	90
3/8"	87
No. 4	79
No. 10	68
No. 16	61
No. 40	46
No. 50	39
No. 100	25
No. 200	15

Liquid Limit 19
 Plastic Index NP
 Specific Gravity _____
 Resistance Value 73
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 5.4
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-1-b

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-351-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: Wimer, Rigsby Station: "X2" 1202+00 Route: US 50
Altamirano, Rigsby Location from CL (ft): Lt. 60' Rt. _____
 Sample No.: 68 County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--	Oil & Base	0--
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--	Silt Sand	2--
Cut Section <input type="checkbox"/> Fill Section <input type="checkbox"/>	4--		4--
Taken Through Oil <input checked="" type="checkbox"/> Taken on Shoulder <input type="checkbox"/>	6--		6--
Gravel Depth (in) <u>3"</u> Oil Depth (in) <u>1 1/2"</u>	8--		8--
Remarks: <u>Drill hole was drilled 9' RT of CL of Stagecoach</u>	10--		10--
<u>Drive. Drill hle was moved 10' south due to utility</u>	12--		12--
<u>conflict.</u>	14--		14--
Submitted By: <u>ALTAMIRANO</u>	16--		16--
Title: <u>Engineering Technician III</u>	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	99
3/8"	97
No. 4	93
No. 10	87
No. 16	83
No. 40	70
No. 50	61
No. 100	43
No. 200	30

Liquid Limit	<u>24</u>	
Plastic Index	<u>9</u>	
Specific Gravity	_____	
Resistance Value	<u>69</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>6.7</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-2-4(0)</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-352-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: Wimer, Rigsby Station: "X2" 1202+00 Route: US 50
Altamirano, Rigsby Location from CL (ft) Lt. 60' Rt. _____
 Sample No.: 68A County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--		200
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--		2--
Cut Section <input type="checkbox"/> Fill Section <input type="checkbox"/>	4--	Silt Sand	4--
Taken Through Oil <input checked="" type="checkbox"/> Taken on Shoulder <input type="checkbox"/>	6--		6--
Gravel Depth (in) <u>3"</u> Oil Depth (in) <u>1 1/2"</u>	8--		8--
Remarks: <u>Drill hole was drilled 9' RT of CL of Stagecoach</u>	10--		10--
<u>Drive. Drill hle was moved 10' south due to utility</u>	12--		12--
<u>conflict.</u>	14--		14--
Submitted By: <u>ALTAMIRANO</u>	16--		16--
Title: <u>Engineering Technician III</u>	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	98
3/8"	97
No. 4	92
No. 10	83
No. 16	77
No. 40	61
No. 50	55
No. 100	42
No. 200	31

Liquid Limit	<u>23</u>	
Plastic Index	<u>5</u>	
Specific Gravity	_____	
Resistance Value	<u>69</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>6.7</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-2-4(0)</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-353-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: Wimer, Rigsby Station: "X2" 1195+00 Route: US 50
Altamirano, Rigsby Location from CL (ft) Lt. 35' Rt. _____
 Sample No.: 69 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--	Silt Sand	0-- 200
2--	Very Very Lt Gravel	2--
4--	Very Lt Clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	97
1/2"	97
3/8"	97
No. 4	93
No. 10	87
No. 16	84
No. 40	76
No. 50	72
No. 100	59
No. 200	46

Liquid Limit 27
 Plastic Index 8
 Specific Gravity _____
 Resistance Value 61
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 9.2
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-4(1)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-354-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Baker Station: "X2" 1190+00 Route: US 50
Altamirano Location from CL (ft) Lt. 30' Rt. _____
 Sample No.: 70 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt Sand	2--
4--	Very Very Lt Gravel	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	96
3/8"	94
No. 4	91
No. 10	85
No. 16	80
No. 40	68
No. 50	62
No. 100	50
No. 200	40

Liquid Limit 27
 Plastic Index 9
 Specific Gravity _____
 Resistance Value 61
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 9.2
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-355-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Baker Station: "X2" 1180+00 Route: US 50
Altamirano Location from CL (ft) Lt. 30' Rt. _____
 Sample No.: 71 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	100
3/4"	91
1/2"	90
3/8"	89
No. 4	81
No. 10	73
No. 16	68
No. 40	53
No. 50	45
No. 100	28
No. 200	18

Liquid Limit 18
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 64
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 8.3
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-356-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Baker Station: "X2" 1170+00 Route: US 50
Altamirano Location from CL (ft) Lt. 35' Rt. _____
 Sample No.: 72 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: _____
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	95
3/8"	91
No. 4	84
No. 10	77
No. 16	72
No. 40	56
No. 50	49
No. 100	34
No. 200	23

Liquid Limit 19
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 72
 Cover Stabilometer _____
 Thickness 5.7 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-357-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Baker Station: "X2" 1169+25 Route: US 50
Altamirano Location from CL (ft) Lt. 155' Rt. _____
 Sample No.: 73 County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0--		0-- 150
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--	Silt	2--
	4--	Sand	4--
Cut Section <input checked="" type="checkbox"/> Fill Section <input type="checkbox"/>	6--		6--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	8--		8--
Gravel Depth (in) _____ Oil Depth (in) _____	10--		10--
Remarks: <u>Drill hole was drilled 12' Rt of CL of Cheyene</u>	12--		12--
<u>Trail on the E.O.P.</u>	14--		14--
	16--		16--
Submitted By: <u>ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	99
3/8"	98
No. 4	93
No. 10	86
No. 16	80
No. 40	58
No. 50	47
No. 100	27
No. 200	17

Liquid Limit	<u>17</u>	
Plastic Index	<u>NP</u>	
Specific Gravity	_____	
Resistance Value	<u>77</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>3.0</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-2-4(0)</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-358-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Baker Station: "X2" 1165+00 Route: US 50
Altamirano Location from CL (ft) Lt. 155' Rt. _____
 Sample No.: 74 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 12" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	99
3/8"	98
No. 4	96
No. 10	94
No. 16	92
No. 40	78
No. 50	66
No. 100	40
No. 200	22

Liquid Limit 19
 Plastic Index 2
 Specific Gravity _____
 Resistance Value 72
 Cover Stabilometer _____
 Thickness 4.2 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-359-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Rigsby Station: "X2" 1160+00 Route: US 50
Altamirano Location from CL (ft) Lt. 70' Rt. _____
 Sample No.: 75 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 12" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0-- 150
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	100
3/8"	97
No. 4	94
No. 10	89
No. 16	84
No. 40	69
No. 50	60
No. 100	38
No. 200	24

Liquid Limit 21
 Plastic Index 5
 Specific Gravity _____
 Resistance Value 60
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 9.5
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-360-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Rigsby Station: "X2" 1155+00 Route: US 50
Altamirano Location from CL (ft): Lt. 150' Rt. _____
 Sample No.: 76 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 12" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		150
2--	Silt Sand	2--
4--	Lt Clay	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	99
3/8"	99
No. 4	95
No. 10	92
No. 16	89
No. 40	78
No. 50	69
No. 100	43
No. 200	25

Liquid Limit: 19
 Plastic Index: 2
 Specific Gravity: _____
 Resistance Value: 61
 Cover: Stabilometer
 Thickness: 6.7 Expansion Pressure _____
 Sand Equivalent: _____
 Natural Moisture, %: _____
 Resistivity: _____
 pH Factor: _____
 AASHTO Classification: A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-361-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Rigsby Station: "X2" 1150+00 Route: US 50
Altamirano Location from CL (ft) Lt. 75' Rt. _____
 Sample No.: 77 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	99
No. 10	95
No. 16	93
No. 40	80
No. 50	70
No. 100	42
No. 200	23

Liquid Limit 20
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 67
 Cover Stabilometer _____
 Thickness 7.3 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-362-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Rigsby Station: "X2" 1145+00 Route: US 50
Altamirano Location from CL (ft) Lt. 150 Rt. _____
 Sample No.: 78 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 4" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	98
No. 10	94
No. 16	90
No. 40	75
No. 50	66
No. 100	45
No. 200	25

Liquid Limit 19
 Plastic Index 3
 Specific Gravity _____
 Resistance Value 40
 Cover Stabilometer _____
 Thickness 11.6 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-363-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Rigsby Station: "X2" 1139+75 Route: US 50
Altamirano Location from CL (ft) Lt. 75' Rt. _____
 Sample No.: 79 County: LYON

Sample Type:	Depth (ft)	Boring Description	PSI
RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> Vegetation: None <input type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input checked="" type="checkbox"/> Cut Section <input checked="" type="checkbox"/> Fill Section <input type="checkbox"/> Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: <u>6" tall cheat grass, drill hole was drilled 30' LT of</u> <u>CL of Apache Drive</u> Submitted By: <u>ALTAMIRANO</u> Title: <u>Engineering Technician III</u>	0--		100
	2--	Silt Sand	2--
	4--	Clay	4--
	6--		6--
	8--		8--
	10--		10--
	12--		12--
	14--		14--
	16--		16--
	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	98
No. 10	92
No. 16	88
No. 40	79
No. 50	74
No. 100	61
No. 200	41

Liquid Limit	<u>22</u>	
Plastic Index	<u>8</u>	
Specific Gravity	_____	
Resistance Value	<u>24</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>21.0</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-4(0)</u>	

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-364-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Rigsby Station: "X2" 1135+00 Route: US 50
Altamirano Location from CL (ft): Lt. 150' Rt. _____
 Sample No.: 80 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	98
3/8"	97
No. 4	92
No. 10	79
No. 16	72
No. 40	54
No. 50	45
No. 100	30
No. 200	20

Liquid Limit 21
 Plastic Index 6
 Specific Gravity _____
 Resistance Value 14
 Cover Stabilometer _____ Expansion Pressure _____
 Thickness 17.7
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-365-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Rigsby Station: "X2" 1130+00 Route: US 50
Altamirano Location from CL (ft): Lt. 80' Rt. _____
 Sample No.: 81 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	97
No. 10	92
No. 16	89
No. 40	78
No. 50	73
No. 100	62
No. 200	51

Liquid Limit 31
 Plastic Index 13
 Specific Gravity _____
 Resistance Value 22
 Cover Stabilometer _____
 Thickness 21.6 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-6(4)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-366-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd 6/30/11
 Samplers: McFarren, Rigsby Station "X2" 1120+00 Route US 50
Altamirano Location from CL (ft) Lt. 70' Rt. _____
 Sample No.: 82 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		100
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	
No. 4	100
No. 10	98
No. 16	95
No. 40	87
No. 50	84
No. 100	80
No. 200	73

Liquid Limit 39
 Plastic Index 21
 Specific Gravity _____
 Resistance Value 26
 Cover Stabilometer _____
 Thickness 20.4 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-6(14)

Remarks: _____

LINE SAMPLING DATA

Date Reported: 8/24/11
 Lab No.: S11-03, RV-367-11
 E.A.: 73475 Job Description: US 50 FROM LY 20.39 TO LY 25.61
 Date Rec'd: 6/30/11
 Samplers: McFarren, Rigsby Station: "X2" 1110+00 Route: US 50
Altamirano Location from CL (ft) Lt. 80' Rt. _____
 Sample No.: 83 County: LYON

Sample Type: RV Sub Chem DC Other
 Vegetation: None Trees Shrubs
 Brushy Grassy
 Cut Section Fill Section
 Taken Through Oil Taken on Shoulder
 Gravel Depth (in) _____ Oil Depth (in) _____
 Remarks: 6" tall cheat grass, 4" tall sagebrush
 Submitted By: ALTAMIRANO
 Title: Engineering Technician III

Depth (ft)	Boring Description	PSI
0--		0--
2--	Silt	2--
4--	Sand	4--
6--		6--
8--		8--
10--		10--
12--		12--
14--		14--
16--		16--
18--		18--
20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	
No. 4	100
No. 10	98
No. 16	95
No. 40	86
No. 50	83
No. 100	78
No. 200	71

Liquid Limit 44
 Plastic Index 24
 Specific Gravity _____
 Resistance Value 22
 Cover Stabilometer _____
 Thickness 21.6 Expansion Pressure _____
 Sand Equivalent _____
 Natural Moisture, % _____
 Resistivity _____
 pH Factor _____
 AASHTO Classification A-7-6(16)

Remarks: _____

