

**STATE OF NEVADA  
DEPARTMENT OF TRANSPORTATION  
MATERIALS DIVISION  
GEOTECHNICAL SECTION**

**LINE SAMPLING DATA  
Sahara Ave. and Nellis Blvd. Intersection**

**November 2011**

# SAHARA and NELLIS



## Legend

1:1,000

• TEST HOLE

**FUNC\_CODE**

— 2-PRINCIPAL ARTERIAL-O.F.E.

**FUNC\_CODE**

— 3-PRINCIPAL ARTERIAL-OTHER

**FUNC\_CODE**

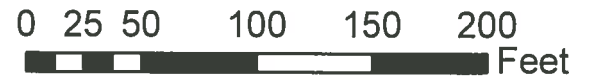
— 4-MINOR ARTERIAL

**FUNC\_CODE**

— 5-MAJOR COLLECTOR

**FUNC\_CODE**

— 6-MINOR COLLECTOR



THIS MAP IS FOR DISPLAY PURPOSES ONLY  
 MAP COMPILED WITH DATA FROM THE  
 TRIMBLE GEO XT HANDHELD GPS UNIT.  
 THE DATA IS NOT SURVEY GRADE.  
 NOT ALL FEATURES PORTRAYED DUE  
 TO SCALE.



# LINE SAMPLING DATA

Date Reported: 12/21/11  
 Lab No.: S11-08A, RV-545-11  
 E.A.: 9100 Job Description: NELLIS & SAHARA INTERSECTION  
 Date Rec'd: 11/29/11 ON NELLIS S/E CORNER  
 Samplers: LARRACUENTE Station \_\_\_\_\_ Route NELLIS BLVD  
PYPKOWSKI, BEUS, WHITE Location from CL (ft) \_\_\_\_\_ Lt. \_\_\_\_\_ Rt. 42'  
 Sample No.: 1 County: CLARK

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 type="checkbox"/> Taken Through Oil <input checked="" type="checkbox"/> Taken on Shoulder <input type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: <u>Taken through Concrete not oil. Concrete 12"</u> <u>Base 1'-2'6"</u> <u>RV 2'6" to 5'</u>	0--	Concrete	0-- 200
	2--	Base	2--
	4--	RV	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"	86
3/8"	82
No. 4	74
No. 10	69
No. 16	67
No. 40	62
No. 50	59
No. 100	42
No. 200	23

Liquid Limit	<u>20</u>	
Plastic Index	<u>NP</u>	
Specific Gravity	_____	
Resistance Value	<u>78</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>3.8</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-2-4(0)</u>	

Remarks: Down pressure 200 PSI.

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# LINE SAMPLING DATA

Date Reported: 12/21/11  
 Lab No.: S11-08A, RV-546-11  
 E.A.: 9100 Job Description: NELLIS & SAHARA INTERSECTION  
 Date Rec'd: 11/29/11 ON SAHARA S/E CORNER  
 Samplers: LARRACUENTE Station \_\_\_\_\_ Route SAHARA  
PYPKOWSKI, BEUS, WHITE Location from CL (ft) \_\_\_\_\_ Lt. \_\_\_\_\_ Rt. 30'  
 Sample No.: 2 County: CLARK

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 type="checkbox"/> Taken Through Oil <input checked="" type="checkbox"/> Taken on Shoulder <input type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: <u>Oil 0-1'</u> <u>Base 1'-2'</u> <u>RV 2'-5'</u> Submitted By: <u>D. WHITE</u> Title: <u>TECH V</u>	0-- 2-- 4-- 6-- 8-- 10-- 12-- 14-- 16-- 18-- 20--	Oil Base RV	200  2-- 4-- 6-- 8-- 10-- 12-- 14-- 16-- 18-- 20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	<b>100</b>
1/2"	<b>96</b>
3/8"	<b>94</b>
No. 4	<b>92</b>
No. 10	<b>87</b>
No. 16	<b>85</b>
No. 40	<b>81</b>
No. 50	<b>78</b>
No. 100	<b>57</b>
No. 200	<b>35</b>

Liquid Limit	<u>22</u>	
Plastic Index	<u>NP</u>	
Specific Gravity	_____	
Resistance Value	<u>77</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>4.1</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-2-4(0)</u>	

Remarks: Down pressure 200 PSI

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# LINE SAMPLING DATA

Date Reported: 12/21/11  
 Lab No.: S11-08A, RV-547-11  
 E.A.: 9100 Job Description: NELLIS & SAHARA INTERSECTION  
 Date Rec'd: 11/29/11 SAHARA N/E CORNER  
 Samplers: LARRACUENTE Station \_\_\_\_\_ Route SAHARA  
PYPKOWSKI, BEUS, WHITE Location from CL (ft) \_\_\_\_\_ Lt. 54' Rt. \_\_\_\_\_  
 Sample No.: 3 County: CLARK

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 type="checkbox"/> Taken Through Oil <input checked="" type="checkbox"/> Taken on Shoulder <input type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: <u>Oil 0'-1'</u> <u>Base 1'-2'</u> <u>RV 2'-5'</u>	0-- 2-- 4-- 6-- 8-- 10-- 12-- 14-- 16-- 18-- 20--	Oil Base RV	200  2-- 4-- 6-- 8-- 10-- 12-- 14-- 16-- 18-- 20--
Submitted By: <u>D. WHITE</u>			
Title: <u>TECH V</u>			

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	98
3/8"	96
No. 4	93
No. 10	90
No. 16	88
No. 40	86
No. 50	85
No. 100	70
No. 200	41

Liquid Limit	<u>16</u>	
Plastic Index	<u>NP</u>	
Specific Gravity	_____	
Resistance Value	<u>71</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>6.0</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-4(0)</u>	

Remarks: Down pressure 200 PSI  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# LINE SAMPLING DATA

Date Reported: 12/21/11  
 Lab No.: S11-08A, RV-548-11  
 E.A.: 9100 Job Description: NELLIS & SAHARA INTERSECTION  
 Date Rec'd: 11/29/11 ON SAHARA N/W CORNER  
 Samplers: LARRACUENTE Station \_\_\_\_\_ Route SAHARA  
PYPKOWSKI, BEUS, WHITE Location from CL (ft) \_\_\_\_\_ Lt. 31' Rt. \_\_\_\_\_  
 Sample No.: 4 County: CLARK

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	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--	Base	2--
Cut Section <input type="checkbox"/> Fill Section <input type="checkbox"/>	4--	RV	4--
Taken Through Oil <input checked="" type="checkbox"/> Taken on Shoulder <input type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: <u>Oil 0'-10"</u>	10--		10--
<u>Base 10"-2'</u>	12--		12--
<u>RV 2'-5'</u>	14--		14--
Submitted By: <u>D. WHITE</u>	16--		16--
Title: <u>TECH V</u>	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	<b>100</b>
No. 4	<b>96</b>
No. 10	<b>93</b>
No. 16	<b>92</b>
No. 40	<b>90</b>
No. 50	<b>89</b>
No. 100	<b>78</b>
No. 200	<b>63</b>

Liquid Limit	<u>22</u>	
Plastic Index	<u>4</u>	
Specific Gravity	_____	
Resistance Value	<u>49</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>13.0</u>	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-6(7)</u>	

Remarks: Down pressure 200 PSI

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# LINE SAMPLING DATA

Date Reported: 12/21/11  
 Lab No.: S11-08A, RV-549-11  
 E.A.: 9100 Job Description: NELLIS & SAHARA INTERSECTION  
 Date Rec'd: 11/29/11 ON NELLIS S/W CORNER  
 Samplers: LARRACUENTE Station \_\_\_\_\_ Route NELLIS  
PYPKOWSKI, BEUS, WHITE Location from CL (ft) \_\_\_\_\_ Lt. 32' Rt. \_\_\_\_\_  
 Sample No.: 5 County: CLARK

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	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--	Base	2--
Cut Section <input type="checkbox"/> Fill Section <input type="checkbox"/>	4--	RV	4--
Taken Through Oil <input checked="" type="checkbox"/> Taken on Shoulder <input type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: <u>Oil 0-10"</u>	10--		10--
<u>Base 10"-2'</u>	12--		12--
<u>RV 2'-5'</u>	14--		14--
Submitted By: <u>D. WHITE</u>	16--		16--
Title: <u>TECH V</u>	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	100
1/2"	96
3/8"	95
No. 4	90
No. 10	87
No. 16	84
No. 40	75
No. 50	70
No. 100	53
No. 200	38

Liquid Limit	<u>43</u>	
Plastic Index	<u>8</u>	
Specific Gravity		
Resistance Value	<u>60</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	<u>9.5</u>	
Sand Equivalent		
Natural Moisture, %		
Resistivity		
pH Factor		
AASHTO Classification	<u>A-7-6(6)</u>	

Remarks: Down pressure 200 PSI

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