

STATE OF NEVADA  
DEPARTMENT OF TRANSPORTATION  
MATERIALS DIVISION  
GEOTECHNICAL SECTION  
LINE SAMPLING

**US 395, Douglas County, from 0.13 miles  
south of Airport Road to 0.26 miles north of  
Stephanie Way.**

**Mile Post DO 26.06 to DO 29.23**

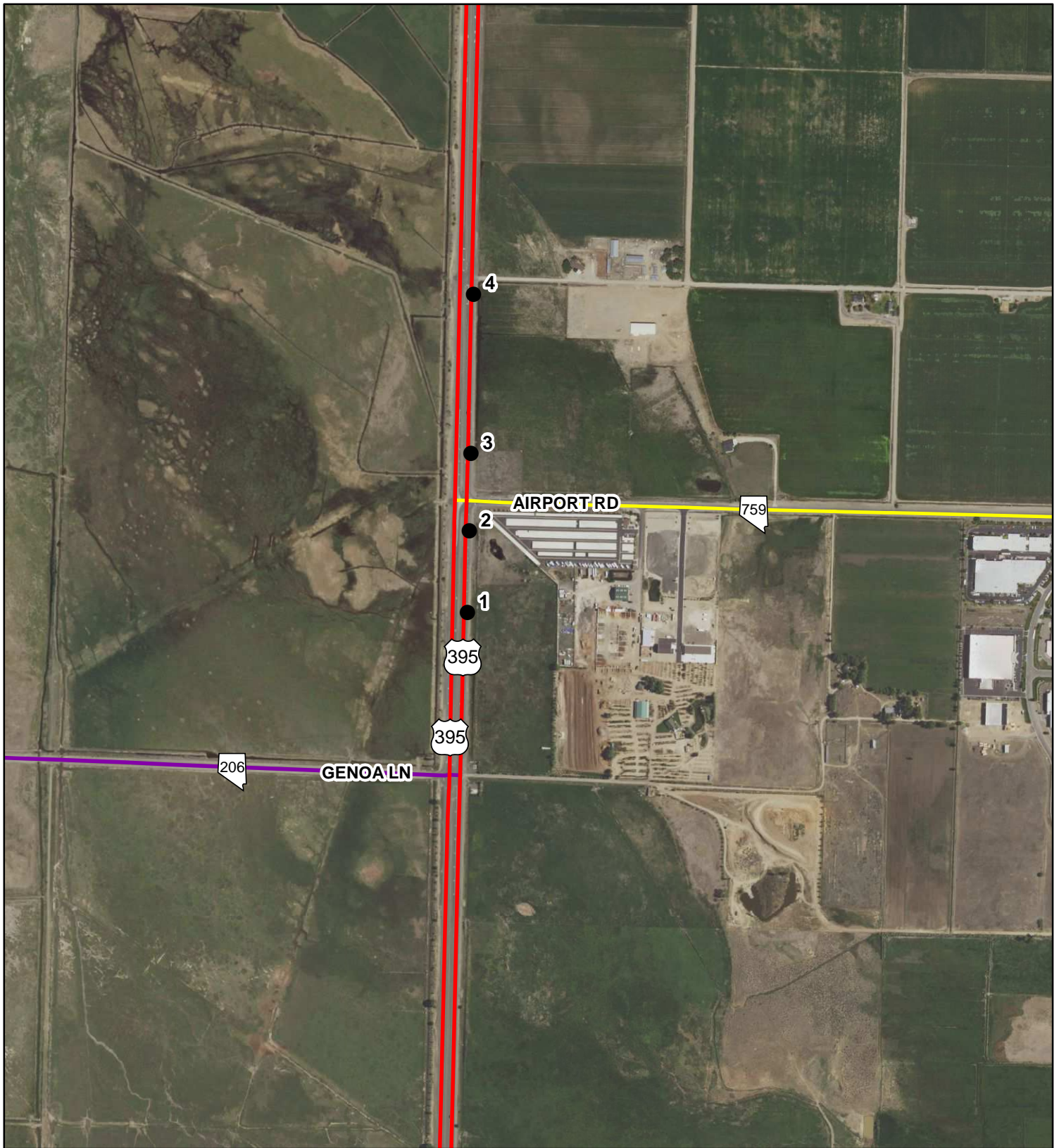
DOUGLAS COUNTY, NEVADA

EA 73862

July 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.

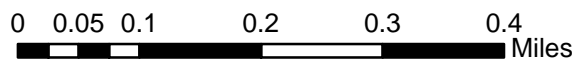


**US-395 from 0.13 miles south of Airport Rd  
to 0.26 miles north of Stephanie Way.  
DO 26.06 to DO 29.23**

**Legend**



Drill Holes



Brian Sandoval  
Governor

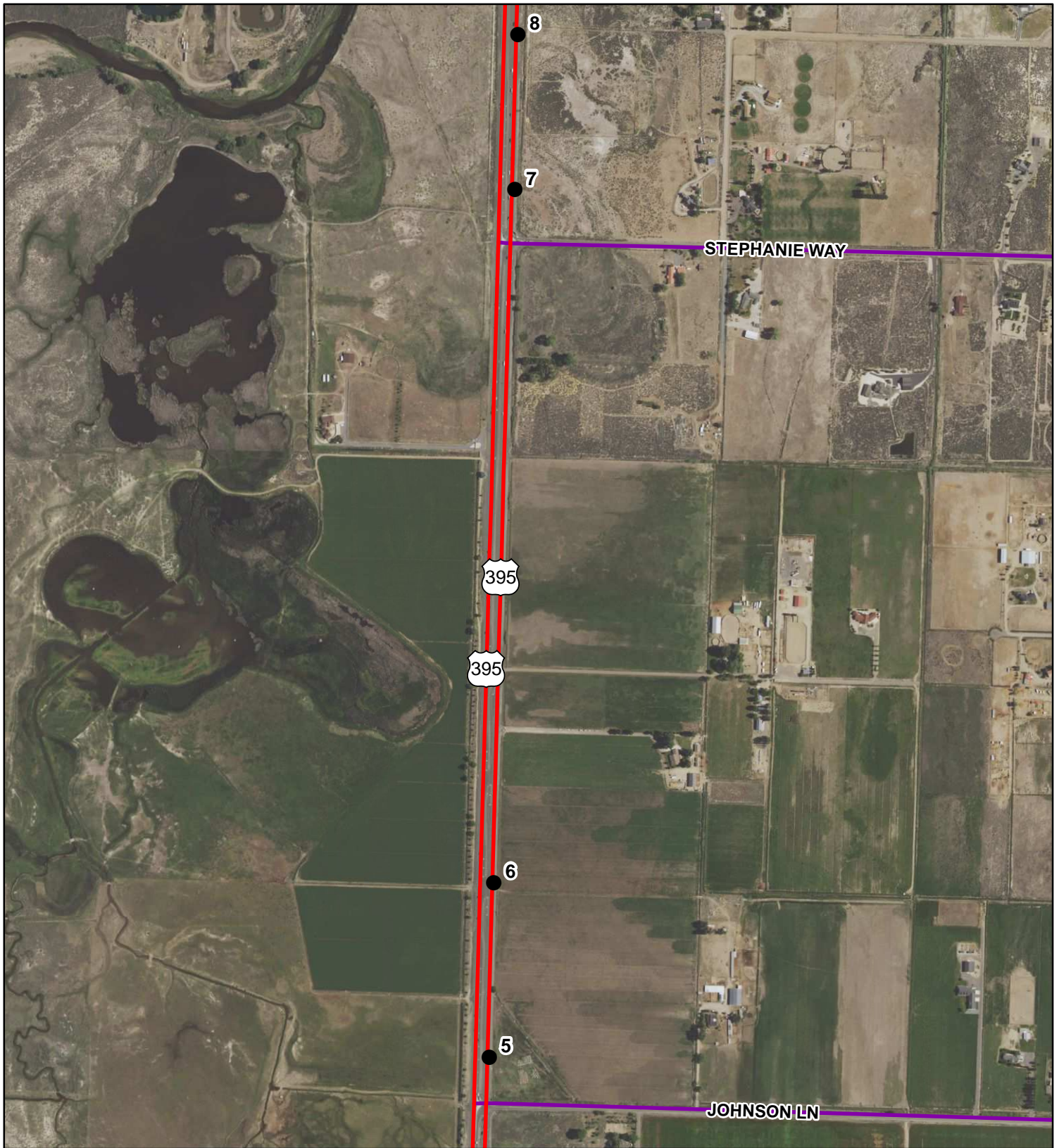


Rudy Malfabon, P.E.  
Director

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

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



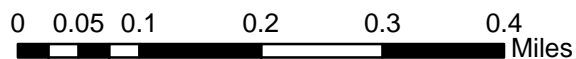


**US-395 from 0.13 miles south of Airport Rd  
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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-167-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"189+80 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 1 County: DOUGLAS

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--
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--	Auger Cuttings	2--
Cut Section <input 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--
Submitted By: <u>ORLANDO ALTAMIRANO</u>	16--		16--
Title: <u>Engineering Technician III</u>	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	<b>100</b>
3/4"	<b>97</b>
1/2"	<b>91</b>
3/8"	<b>85</b>
No. 4	<b>75</b>
No. 10	<b>66</b>
No. 16	<b>59</b>
No. 40	<b>41</b>
No. 50	<b>35</b>
No. 100	<b>24</b>
No. 200	<b>16</b>

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

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-168-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"189+80 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 1A County: DOUGLAS

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 type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: _____ _____ Submitted By: <u>ORLANDO ALTAMIRANO</u> Title: <u>Engineering Technician III</u>	0-- 2-- 4-- 6-- 8-- 10-- 12-- 14-- 16-- 18-- 20--	Auger Cuttings	0-- 2-- 4-- 6-- 8-- 10-- 12-- 14-- 16-- 18-- 20--

Sieve Size	% Passing
3"	
2"	
1.5"	<b>100</b>
1"	<b>99</b>
3/4"	<b>99</b>
1/2"	<b>91</b>
3/8"	<b>88</b>
No. 4	<b>82</b>
No. 10	<b>72</b>
No. 16	<b>67</b>
No. 40	<b>49</b>
No. 50	<b>42</b>
No. 100	<b>31</b>
No. 200	<b>23</b>

Liquid Limit	<u>23</u>	
Plastic Index	<u>6</u>	
Specific Gravity	_____	
Resistance Value	<u>57</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-b</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-169-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"194+80 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 2 County: DOUGLAS

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--
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--	Auger Cuttings	2--
Cut Section <input 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--
Submitted By: <u>ORLANDO ALTAMIRANO</u>	16--		16--
Title: <u>Engineering Technician III</u>	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	<b>100</b>
3/4"	<b>97</b>
1/2"	<b>92</b>
3/8"	<b>89</b>
No. 4	<b>82</b>
No. 10	<b>73</b>
No. 16	<b>65</b>
No. 40	<b>45</b>
No. 50	<b>37</b>
No. 100	<b>26</b>
No. 200	<b>19</b>

Liquid Limit	<u>17</u>	
Plastic Index	<u>1</u>	
Specific Gravity	_____	
Resistance Value	<u>67</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-b</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-170-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"194+80 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 2A County: DOUGLAS

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--
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--		4--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--	Auger Cuttings	8--
Remarks: _____	10--		10--
_____	12--		12--
_____	14--		14--
Submitted By: <u>ORLANDO ALTAMIRANO</u>	16--		16--
Title: <u>Engineering Technician III</u>	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	<b>100</b>
3/4"	<b>99</b>
1/2"	<b>98</b>
3/8"	<b>97</b>
No. 4	<b>91</b>
No. 10	<b>84</b>
No. 16	<b>76</b>
No. 40	<b>50</b>
No. 50	<b>41</b>
No. 100	<b>30</b>
No. 200	<b>22</b>

Liquid Limit	<u>21</u>	
Plastic Index	<u>4</u>	
Specific Gravity	_____	
Resistance Value	<u>70</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-b</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"199+54 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 3 County: DOUGLAS

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--
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--		4--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input type="checkbox"/>	6--		6--
Gravel Depth (in) _____ Oil Depth (in) _____	8--		8--
Remarks: <u>NO SAMPLE TAKEN</u>	10--		10--
	12--		12--
	14--		14--
	16--		16--
Submitted By: <u>ORLANDO ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	
3/8"	
No. 4	
No. 10	
No. 16	
No. 40	
No. 50	
No. 100	
No. 200	

Liquid Limit \_\_\_\_\_  
 Plastic Index \_\_\_\_\_  
 Specific Gravity \_\_\_\_\_  
 Resistance Value \_\_\_\_\_  
 Cover \_\_\_\_\_ Stabilometer \_\_\_\_\_ Expansion Pressure \_\_\_\_\_  
 Thickness \_\_\_\_\_  
 Sand Equivalent \_\_\_\_\_  
 Natural Moisture, % \_\_\_\_\_  
 Resistivity \_\_\_\_\_  
 pH Factor \_\_\_\_\_  
 AASHTO Classification \_\_\_\_\_

Remarks: \_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-171-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"209+30 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 4 County: DOUGLAS

Sample Type: <u>RV</u> <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 type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: _____ _____ Submitted By: <u>ORLANDO ALTAMIRANO</u> Title: <u>Engineering Technician III</u>	Depth (ft) 0-- 2-- 4-- 6-- 8-- 10-- 12-- 14-- 16-- 18-- 20--	Boring Description _____ Auger Cuttings _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	PSI 0-- 2-- 4-- 6-- 8-- 10-- 12-- 14-- 16-- 18-- 20--
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Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	<b>100</b>
1/2"	<b>98</b>
3/8"	<b>94</b>
No. 4	<b>85</b>
No. 10	<b>75</b>
No. 16	<b>66</b>
No. 40	<b>45</b>
No. 50	<b>37</b>
No. 100	<b>25</b>
No. 200	<b>17</b>

Liquid Limit	<u>17</u>	
Plastic Index	<u>NP</u>	
Specific Gravity	_____	
Resistance Value	<u>75</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-b</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-172-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"209+30 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 4A County: DOUGLAS

Sample Type: 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 type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: _____ _____ Submitted By: <u>ORLANDO ALTAMIRANO</u> Title: <u>Engineering Technician III</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Depth (ft)</th> <th style="width: 80%;">Boring Description</th> <th style="width: 10%;">PSI</th> </tr> </thead> <tbody> <tr><td>0--</td><td></td><td>0--</td></tr> <tr><td>2--</td><td></td><td>2--</td></tr> <tr><td>4--</td><td></td><td>4--</td></tr> <tr><td>6--</td><td></td><td>6--</td></tr> <tr><td>8--</td><td style="text-align: center;">Auger Cuttings</td><td>8--</td></tr> <tr><td>10--</td><td></td><td>10--</td></tr> <tr><td>12--</td><td></td><td>12--</td></tr> <tr><td>14--</td><td></td><td>14--</td></tr> <tr><td>16--</td><td></td><td>16--</td></tr> <tr><td>18--</td><td></td><td>18--</td></tr> <tr><td>20--</td><td></td><td>20--</td></tr> </tbody> </table>	Depth (ft)	Boring Description	PSI	0--		0--	2--		2--	4--		4--	6--		6--	8--	Auger Cuttings	8--	10--		10--	12--		12--	14--		14--	16--		16--	18--		18--	20--		20--
Depth (ft)	Boring Description	PSI																																			
0--		0--																																			
2--		2--																																			
4--		4--																																			
6--		6--																																			
8--	Auger Cuttings	8--																																			
10--		10--																																			
12--		12--																																			
14--		14--																																			
16--		16--																																			
18--		18--																																			
20--		20--																																			

Sieve Size	% Passing
3"	
2"	
1.5"	<b>100</b>
1"	<b>97</b>
3/4"	<b>96</b>
1/2"	<b>92</b>
3/8"	<b>92</b>
No. 4	<b>86</b>
No. 10	<b>80</b>
No. 16	<b>75</b>
No. 40	<b>56</b>
No. 50	<b>49</b>
No. 100	<b>37</b>
No. 200	<b>29</b>

Liquid Limit	<u>22</u>	
Plastic Index	<u>6</u>	
Specific Gravity	_____	
Resistance Value	<u>53</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-2-4(0)</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.  
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 \_\_\_\_\_  
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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-173-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"209+30 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 4B County: DOUGLAS

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--
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--		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>H2O @ 13'</u>	10--		10--
	12--	Auger Cuttings	12--
	14--		14--
	16--		16--
Submitted By: <u>ORLANDO ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	<b>100</b>
1.5"	<b>98</b>
1"	<b>90</b>
3/4"	<b>81</b>
1/2"	<b>60</b>
3/8"	<b>52</b>
No. 4	<b>43</b>
No. 10	<b>37</b>
No. 16	<b>32</b>
No. 40	<b>21</b>
No. 50	<b>18</b>
No. 100	<b>13</b>
No. 200	<b>9</b>

Liquid Limit	<u>21</u>	
Plastic Index	<u>4</u>	
Specific Gravity	_____	
Resistance Value	<u>69</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-a</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-174-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"293+00 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 5 County: DOUGLAS

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--
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--	Auger Cuttings	2--
Cut Section <input 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>ORLANDO ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	<b>100</b>
1/2"	<b>91</b>
3/8"	<b>88</b>
No. 4	<b>79</b>
No. 10	<b>68</b>
No. 16	<b>60</b>
No. 40	<b>39</b>
No. 50	<b>32</b>
No. 100	<b>22</b>
No. 200	<b>15</b>

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

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-175-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"293+00 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 5A County: DOUGLAS

Sample Type: <u>RV</u> <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 type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: _____ _____ Submitted By: <u>ORLANDO ALTAMIRANO</u> Title: <u>Engineering Technician III</u>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Depth (ft)</th> <th style="width: 70%;">Boring Description</th> <th style="width: 15%;">PSI</th> </tr> </thead> <tbody> <tr><td>0--</td><td></td><td>0--</td></tr> <tr><td>2--</td><td></td><td>2--</td></tr> <tr><td>4--</td><td></td><td>4--</td></tr> <tr><td>6--</td><td></td><td>6--</td></tr> <tr><td>8--</td><td>Auger Cuttings</td><td>8--</td></tr> <tr><td>10--</td><td></td><td>10--</td></tr> <tr><td>12--</td><td></td><td>12--</td></tr> <tr><td>14--</td><td></td><td>14--</td></tr> <tr><td>16--</td><td></td><td>16--</td></tr> <tr><td>18--</td><td></td><td>18--</td></tr> <tr><td>20--</td><td></td><td>20--</td></tr> </tbody> </table>	Depth (ft)	Boring Description	PSI	0--		0--	2--		2--	4--		4--	6--		6--	8--	Auger Cuttings	8--	10--		10--	12--		12--	14--		14--	16--		16--	18--		18--	20--		20--
Depth (ft)	Boring Description	PSI																																			
0--		0--																																			
2--		2--																																			
4--		4--																																			
6--		6--																																			
8--	Auger Cuttings	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"	<b>100</b>
No. 4	<b>97</b>
No. 10	<b>93</b>
No. 16	<b>89</b>
No. 40	<b>70</b>
No. 50	<b>61</b>
No. 100	<b>47</b>
No. 200	<b>36</b>

Liquid Limit	<u>22</u>	
Plastic Index	<u>5</u>	
Specific Gravity	_____	
Resistance Value	<u>60</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-4(0)</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-176-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"293+00 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 5B County: DOUGLAS

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--
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--		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>H2O @ 10'</u>	10--		10--
	12--	Auger Cuttings	12--
	14--		14--
	16--		16--
Submitted By: <u>ORLANDO ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	<b>100</b>
3/8"	<b>99</b>
No. 4	<b>96</b>
No. 10	<b>93</b>
No. 16	<b>91</b>
No. 40	<b>77</b>
No. 50	<b>70</b>
No. 100	<b>53</b>
No. 200	<b>39</b>

Liquid Limit	<u>24</u>	
Plastic Index	<u>5</u>	
Specific Gravity	_____	
Resistance Value	<u>57</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-4(0)</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-177-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"303+80 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 6 County: DOUGLAS

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--
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--	Auger Cuttings	2--
Cut Section <input 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>ORLANDO ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	<b>100</b>
1/2"	<b>98</b>
3/8"	<b>94</b>
No. 4	<b>81</b>
No. 10	<b>64</b>
No. 16	<b>54</b>
No. 40	<b>34</b>
No. 50	<b>28</b>
No. 100	<b>19</b>
No. 200	<b>14</b>

Liquid Limit	<u>18</u>	
Plastic Index	<u>NP</u>	
Specific Gravity	_____	
Resistance Value	<u>77</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-b</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-178-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"303+80 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 6A County: DOUGLAS

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 type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: _____ _____ Submitted By: <u>ORLANDO ALTAMIRANO</u> Title: <u>Engineering Technician III</u>	0-- 2-- 4-- 6-- 8-- 10-- 12-- 14-- 16-- 18-- 20--	Auger Cuttings	0-- 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>99</b>
3/8"	<b>98</b>
No. 4	<b>92</b>
No. 10	<b>81</b>
No. 16	<b>69</b>
No. 40	<b>38</b>
No. 50	<b>28</b>
No. 100	<b>16</b>
No. 200	<b>10</b>

Liquid Limit	<u><b>16</b></u>
Plastic Index	<u><b>NP</b></u>
Specific Gravity	_____
Resistance Value	<u><b>75</b></u>
Cover	Stabilometer
Thickness	_____
Sand Equivalent	_____
Natural Moisture, %	_____
Resistivity	_____
pH Factor	_____
AASHTO Classification	<u><b>A-1-b</b></u>

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-179-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"346+30 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 7 County: DOUGLAS

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--
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--	Auger Cuttings	2--
Cut Section <input 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>ORLANDO ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	<b>100</b>
1/2"	<b>96</b>
3/8"	<b>92</b>
No. 4	<b>82</b>
No. 10	<b>73</b>
No. 16	<b>66</b>
No. 40	<b>43</b>
No. 50	<b>35</b>
No. 100	<b>24</b>
No. 200	<b>17</b>

Liquid Limit	<u>17</u>	
Plastic Index	<u>NP</u>	
Specific Gravity	_____	
Resistance Value	<u>68</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-b</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-180-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"346+30 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 7A County: DOUGLAS

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--
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--		2--
	4--		4--
Cut Section <input type="checkbox"/> Fill Section <input type="checkbox"/>	6--		6--
Taken Through Oil <input type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/>	8--	Auger Cuttings	8--
Gravel Depth (in) _____ Oil Depth (in) _____	10--		10--
Remarks: _____	12--		12--
	14--		14--
	16--		16--
Submitted By: <u>ORLANDO ALTAMIRANO</u>	18--		18--
Title: <u>Engineering Technician III</u>	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	
3/4"	
1/2"	<b>100</b>
3/8"	<b>99</b>
No. 4	<b>97</b>
No. 10	<b>94</b>
No. 16	<b>92</b>
No. 40	<b>83</b>
No. 50	<b>79</b>
No. 100	<b>69</b>
No. 200	<b>51</b>

Liquid Limit	<u>34</u>	
Plastic Index	<u>14</u>	
Specific Gravity	_____	
Resistance Value	<u>22</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-6(4)</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-181-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"356+00 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 8 County: DOUGLAS

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--
Vegetation: None <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Brushy <input type="checkbox"/> Grassy <input type="checkbox"/>	2--	Auger Cuttings	2--
Cut Section <input 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--
Submitted By: <u>ORLANDO ALTAMIRANO</u>	16--		16--
Title: <u>Engineering Technician III</u>	18--		18--
	20--		20--

Sieve Size	% Passing
3"	
2"	
1.5"	
1"	<b>100</b>
3/4"	<b>99</b>
1/2"	<b>99</b>
3/8"	<b>95</b>
No. 4	<b>87</b>
No. 10	<b>73</b>
No. 16	<b>64</b>
No. 40	<b>43</b>
No. 50	<b>36</b>
No. 100	<b>24</b>
No. 200	<b>17</b>

Liquid Limit	<u>21</u>	
Plastic Index	<u>3</u>	
Specific Gravity	_____	
Resistance Value	<u>74</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-1-b</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.

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# LINE SAMPLING DATA

Date Reported: 11/18/14  
 Lab No.: S14-05, RV-182-14  
 E.A.: 73862 Job Description: US 395 WIDENING  
 Date Rec'd: 10/22/14  
 Samplers: J. RIGSBY, R. DRAGOO Station: "XN"356+00 Route: US 395 NB  
P. BAKER, O. ALTAMIRANO Location from CL (ft) Lt. \_\_\_\_\_ Rt. 35'  
 Sample No.: 8A County: DOUGLAS

Sample Type: 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 type="checkbox"/> Taken on Shoulder <input checked="" type="checkbox"/> Gravel Depth (in) _____ Oil Depth (in) _____ Remarks: _____ _____ Submitted By: <u>ORLANDO ALTAMIRANO</u> Title: <u>Engineering Technician III</u>	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Depth (ft)</th> <th style="width: 80%;">Boring Description</th> <th style="width: 10%;">PSI</th> </tr> </thead> <tbody> <tr><td>0--</td><td></td><td>0--</td></tr> <tr><td>2--</td><td></td><td>2--</td></tr> <tr><td>4--</td><td></td><td>4--</td></tr> <tr><td>6--</td><td></td><td>6--</td></tr> <tr><td>8--</td><td style="text-align: center;">Auger Cuttings</td><td>8--</td></tr> <tr><td>10--</td><td></td><td>10--</td></tr> <tr><td>12--</td><td></td><td>12--</td></tr> <tr><td>14--</td><td></td><td>14--</td></tr> <tr><td>16--</td><td></td><td>16--</td></tr> <tr><td>18--</td><td></td><td>18--</td></tr> <tr><td>20--</td><td></td><td>20--</td></tr> </tbody> </table>	Depth (ft)	Boring Description	PSI	0--		0--	2--		2--	4--		4--	6--		6--	8--	Auger Cuttings	8--	10--		10--	12--		12--	14--		14--	16--		16--	18--		18--	20--		20--
Depth (ft)	Boring Description	PSI																																			
0--		0--																																			
2--		2--																																			
4--		4--																																			
6--		6--																																			
8--	Auger Cuttings	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"	<b>100</b>
No. 4	<b>98</b>
No. 10	<b>95</b>
No. 16	<b>92</b>
No. 40	<b>78</b>
No. 50	<b>73</b>
No. 100	<b>53</b>
No. 200	<b>38</b>

Liquid Limit	<u>26</u>	
Plastic Index	<u>5</u>	
Specific Gravity	_____	
Resistance Value	<u>53</u>	
Cover	Stabilometer	Expansion Pressure
Thickness	_____	_____
Sand Equivalent	_____	
Natural Moisture, %	_____	
Resistivity	_____	
pH Factor	_____	
AASHTO Classification	<u>A-4(0)</u>	

Remarks: PSI = Head pressure was utilized on all Drill Holes.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_