### 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

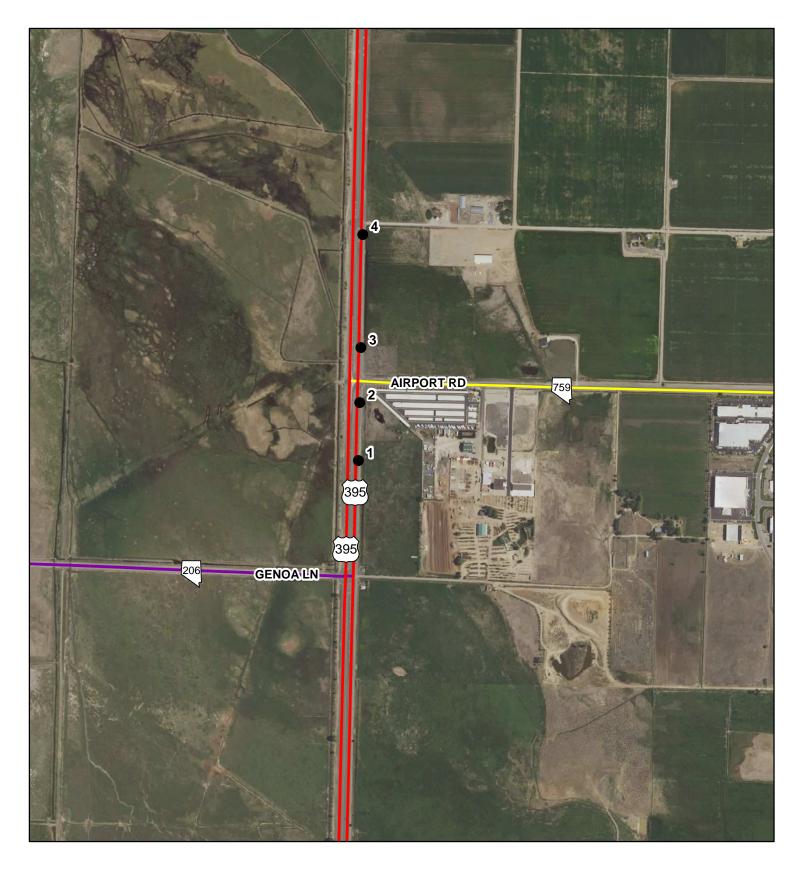
DOUGLAS COUNTY, NEVADA

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.



N Legend 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

Drill Holes

0 0.05 0.1 0.2 0.3 0.4 Miles





Rudy Malfabon, P.E. Director

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



N Legend 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

Drill Holes

0 0.05 0.1 0.2 0.3 0.4 Miles





Rudy Malfabon, P.E. Director

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

Date Reported:	11/18/14	_								
Lab No.:	S14-05, R	V-167-14			_					
E.A.:	73862	_	Job D	escription:	US 395 WI	DENING	<u> </u>			
Date Rec'd	10/22/14	_								
Samplers:		Y, R. DRAGOO		Station	"XN"189+	80		Route	US 395 N	В
P. BAKER, O. A		ANO		Location fro		Lt.		Rt.	35'	
Sample No.:	1			County:	DOUGLAS	<u> </u>				
Sample Type:					Depth (ft)	Bor	ring Description			PSI
RV ■	Sub □		DC 🗆	Other $\Box$	0				0-	
Vegetation:	None	Trees □ Shr	rubs $\square$		2		Auger Cut	ttings	2	
	Brushy	Grassy $\square$			4				4	
Cut Section □		Fill Section			6				6	
Taken Through Oil		Taken on Shoulder			8				8	
Gravel Depth (in)		Oil Depth (in)		_	10				10	
Remarks:					12				12	
					14				14	
					16				16	
Submitted By:	ORLAND	O ALTAMIRAN	0		18				18	
Title:	Engineeri	ng Technician III			20				20	
	Sieve Size  3"  2"	% Passing			Liquid Limit Plastic Index Specific Grav	vity	NP			
	1.5"				Resistance V	alue	72			
	1"	100			Cover		Stabilometer	Exp	ansion Pres	sure
	3/4"	97			Thickn	ness _				
	1/2"	91								
	3/8"	85			Sa	and Equiv	alent _			
	No. 4	75			N	atural Mo	isture, %			
	No. 10	66			R	esistivity	_			
	No. 16	59			-	H Factor	<del>-</del>			
	No. 40	41			A	ASHTO (	Classification _	A-1-b		
	No. 50	35								
	No. 100	24								
	No. 200	16								
Remarks:	PSI = Head	pressure was utilized	d on all D	rill Holes.						

Date Reported:	11/18/14									
Lab No.:	S14-05, R	V-168-14								
E.A.:	73862		Job D	escription:	US 395 W	IDENIN	$\mathbf{G}$			
Date Rec'd	10/22/14	-								
Samplers:	J. RIGSB	Y, R. DRAGOO		Station	"XN"189-	+80		Route	US 395 N	В
P. BAKER, O. A	LTAMIR	ANO		Location fro	m CL (ft)	Lt.		Rt.	35'	
Sample No.:	1A			County:	DOUGLA	.S				
Sample Type:					Depth (ft)	В	oring Description			PSI
RV ■	Sub □	l Chem □	DC □	Other $\square$	0				0	
Vegetation:	None	Trees □ Shr	ubs 🗆		2				2	
	Brushy □	Grassy □			4				4	
Cut Section		Fill Section			6				6	
Taken Through Oil		Taken on Shoulder			8		Auger Cu	ttings	8	
Gravel Depth (in)		Oil Depth (in)		_	10				10	
Remarks:					12				12	
					14				14	
					16				16	
Submitted By:		O ALTAMIRAN	<b>O</b>		18				18	
Title:	Engineeri	ng Technician III			20				20	
	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	100 99 99 91 88 82 72 67 49 42 31 23			1 F F	avity Value  ness Sand Equi Natural M Resistivity bH Factor	oisture, %	Ех <sub>І</sub>	pansion Pres	sure
Remarks:	PSI = Head	pressure was utilized	l on all D	rill Holes.						

Date Reported:	11/18/14									
Lab No.:	S14-05, R	- V-169-14								
E.A.:	73862		Job D	Description:	US 395 WI	DENIN(	3			
Date Rec'd	10/22/14	-								
Samplers:	J. RIGSB	Y, R. DRAGOO		Station	"XN"194+	-80		Route 1	US 395 N	В
P. BAKER, O. A	LTAMIR	ANO		Location fro	m CL (ft)	Lt.		Rt.	35'	
Sample No.:	2			County:	DOUGLAS	S				
Sample Type:					Depth (ft)	Bor	ring Description			PSI
RV ■	Sub □	l Chem □	DC 🗆	Other $\square$	0				0	
Vegetation:	None	Trees □ Shr	rubs 🗆		2		Auger Cu	ttings	2	
	Brushy $\square$	Grassy □			4				4	
Cut Section		Fill Section			6				6	
Taken Through Oil		Taken on Shoulder			8				8	
Gravel Depth (in)		Oil Depth (in)		_	10				10	
Remarks:	-				12				12	
					14				14	
					16				16	
Submitted By:	ORLAND	O ALTAMIRAN	0		18				18	
Title:	Engineeri	ng Technician III			20				20	
Damada	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	100 97 92 89 82 73 65 45 37 26 19	d on all D	neill Halaa	N R p <sup>1</sup>	vity Value ness and Equiv Jatural Mo esistivity H Factor	·	Expa -	ansion Pres	sure
Remarks:	PSI = Head	pressure was utilized	d on all L	Orill Holes.						

Date Reported:	11/18/14									
Lab No.:	S14-05, R	V-170-14			_					
E.A.:	73862		Job D	Description:	US 395 W	IDENIN	j			
Date Rec'd	10/22/14									
Samplers:	J. RIGSBY	Y, R. DRAGOO		Station	"XN"194+	-80		Route	US 395 N	В
P. BAKER, O. A	ALTAMIRA	ANO		Location from	m CL (ft)	Lt.		Rt.	35'	
Sample No.:	2A			County:	DOUGLA	S				
Sample Type:					Depth (ft)	Bor	ring Description			PSI
RV ■	Sub □	-	DC 🗆	Other $\square$	0				0	
Vegetation:			ubs $\square$		2				2	
	Brushy $\square$	•			_ 4				4	
Cut Section		Fill Section □			6				6	
Taken Through Oil		Taken on Shoulder			8		Auger Cu	ttings	8	
Gravel Depth (in)		Oil Depth (in)		_	10				10	
Remarks:					12				12	
					_ 14				14	
			_		16				16	
Submitted By:		O ALTAMIRANO	0		_ 18				18	
Title:	Engineerii	ng Technician III			20				20	
	Sieve Size	% Passing			Liquid Limit	<b>+</b>	21			
	3"	70 Tassing			Plastic Index		4			
	2"				Specific Gra					
	1.5"				Resistance V		70			
	1"	100			Cover	· aruc	Stabilometer	Evi	pansion Pres	sure
	3/4"	99			Thick	ness	Stabilometer	LA	Julision 1 103	suic
	1/2"	98			THICK					
	3/8"	97			S	and Equiv	alent			
	No. 4	91				Natural Mo	-			
	No. 10	84				Resistivity	_			
	No. 16	76				H Factor	-			
	No. 40	50			-		Classification	A-1-b		
	No. 50	41					_			
	No. 100	30								
	No. 200	22								
		_								
Remarks:	PSI = Head	pressure was utilized	l on all D	Orill Holes.						

Date Reported:	11/18/14									
Lab No.:	S14-05				_					
E.A.:	73862		Job I	Description:	US 395 WI	DENIN	G			
Date Rec'd	10/22/14									
Samplers:	J. RIGSB	Y, R. DRAGOO		Station	"XN"199+	54		Route US	395 NE	3
P. BAKER, O. A	LTAMIRA	ANO		Location from	m CL (ft)	Lt.		Rt.	35'	
Sample No.:	3			County:	DOUGLAS	S				
Sample Type:					Depth (ft)	В	oring Description			PSI
RV ■	Sub □	Chem □	DC 🗆	Other $\square$	0				0	
Vegetation:	None	Trees □ Shr	ubs 🗆		2				2	
-	Brushy $\square$	Grassy □			4				4	
Cut Section		Fill Section			6				6	
Taken Through Oil	l 🗆	Taken on Shoulder			8				8	
Gravel Depth (in)		Oil Depth (in)		_	10				10	
Remarks:	NO SAMPI	LE TAKEN			12				12	
					14				14	
					16				16	
Submitted By:	<b>ORLAND</b>	O ALTAMIRAN	0		18				18	
Title:	Engineeri	ng Technician III			20				20	
	3" 2" 1.5" 1" 3/4"				Plastic Index Specific Gra Resistance V Cover Thicks	vity <sup>7</sup> alue	Stabilometer	Expans	ion Press	ure
	3/8"				C	1 E	14			
	No. 4					and Equi	oisture, %			
	No. 10					esistivity				
	No. 16					H Factor	_			
	No. 40				_		Classification			
	No. 50				73	2131110				
	No. 100									
	No. 200									
D 1										
Remarks:										

Date Reported:	11/18/14									
Lab No.:	S14-05, RV	V-171-14			_					
E.A.:	73862		Job D	Description:	US 395 W	IDENIN	J J			
Date Rec'd	10/22/14									
Samplers:	J. RIGSBY	Y, R. DRAGOO		Station	"XN"209+	-30		Route	US 395 N	В
P. BAKER, O. A	ALTAMIRA	NO		Location from	m CL (ft)	Lt.		Rt.	35'	
Sample No.:	4			County:	DOUGLA	S				
Sample Type:					Depth (ft)	Bo	ring Description			PSI
RV ■	Sub □	Chem □	DC 🗆	Other $\square$	0				0-	
Vegetation:	None	Trees   Shr	ubs $\square$		2		Auger Cu	ttings	2	
	Brushy	Grassy □			4				4	
Cut Section		Fill Section			6				6	
Taken Through Oil	l 🗆	Taken on Shoulder			8				8	
Gravel Depth (in)		Oil Depth (in)		_	10				10	
Remarks:					12				12	
					14				14	
					16				16	
Submitted By:	ORLAND	O ALTAMIRANO	0		18				18	
Title:	Engineerin	ng Technician III			20				20	
	ı									
	Sieve Size	% Passing			Liquid Limi	t .	17			
	3"				Plastic Index	ζ.	NP			
	2"				Specific Gra	vity				
	1.5"				Resistance V	/alue	75			
	1"				Cover		Stabilometer	Ex	pansion Pres	ssure
	3/4"	100			Thick	ness				
	1/2"	98								
	3/8"	94			S	and Equiv	alent			
	No. 4	85			N	Natural Mo	isture, %			
	No. 10	75			R	Resistivity	<u>-</u>			
	No. 16	66			p	H Factor	<u>-</u>			
	No. 40	45			A	ASHTO	Classification	A-1-b		
	No. 50	37								
	No. 100	25								
	No. 200	17								
Remarks:	PSI = Head	pressure was utilized	l on all D	Prill Holes.						

Date Reported:	11/18/14									
Lab No.:	S14-05, R	V-172-14			=					
E.A.:	73862		Job D	Description:	US 395 W	IDENIN	$\mathbf{\hat{J}}$			
Date Rec'd	10/22/14									
Samplers:	J. RIGSB	Y, R. DRAGOO		Station	"XN"209+	<b>⊦30</b>		Route	US 395 N	В
P. BAKER, O. A	LTAMIRA	ANO		Location from	m CL (ft)	Lt.		Rt.	35'	
Sample No.:	<b>4A</b>			County:	DOUGLA	S				
Sample Type:					Depth (ft)	Во	ring Description			PSI
RV ■	Sub □	Chem □	DC $\square$	Other $\square$	0				0	
Vegetation:			ubs $\square$		2				2	
	Brushy $\square$	Grassy			4				4	
Cut Section □		Fill Section □			6				6	
Taken Through Oil		Taken on Shoulder			8		Auger Cu	ttings	8	
Gravel Depth (in)		Oil Depth (in)		_	10				10	
Remarks:					12				12	
					14				14	
					16				16	
Submitted By:		O ALTAMIRAN	0		18				18	
Title:	Engineeri	ng Technician III			20				20	
	3" 2"	% Passing			Liquid Limi Plastic Index Specific Gra	x	6			
	1.5"	100			Resistance V		53			
	1"	97			Cover	v aruc	Stabilometer	Ext	pansion Pres	sure
	3/4"	96			Thick	ness	Stabilometer	ĽΛj	Junision 1 103	suic
	1/2"	92			Tillen	iness.				
	3/8"	92			S	Sand Equiv	alent			
	No. 4	86				Natural Mo				
	No. 10	80				Resistivity				
	No. 16	75				H Factor	•			
	No. 40	56			-		Classification	A-2-4(0)		
	No. 50	49					•			
	No. 100	37								
	No. 200	29								
		_								
Remarks:	PSI = Head	pressure was utilized	l on all D	Orill Holes.						

Date Reported:	11/18/14									
Lab No.:	S14-05, R	V-173-14			_					
E.A.:	73862		Job D	escription:	US 395 W	IDENIN	G			
Date Rec'd	10/22/14									
Samplers:	J. RIGSBY	Y, R. DRAGOO		Station	"XN"209	+30		Route	US 395 N	В
P. BAKER, O. A	LTAMIRA	ANO		Location from	m CL (ft)	Lt.		Rt.	35'	
Sample No.:	4B			County:	DOUGLA	S				
Sample Type:					Depth (ft)	Во	oring Description			PSI
RV ■	Sub □	Chem □	DC □	Other $\square$	0				0	
Vegetation:	None	Trees   Shru	ıbs 🗆		2				2	
	Brushy $\square$	Grassy □			4				4	
Cut Section		Fill Section			6				6	
Taken Through Oil	l 🗆	Taken on Shoulder			8				8	
Gravel Depth (in)	-	Oil Depth (in)		_	10				10	
Remarks:	H2O @ 13'				12		Auger Cu	ttings	12	
					14				14	
					16				16	•
Submitted By:	<b>ORLAND</b>	O ALTAMIRANO	)		18				18	
Title:	Engineerii	ng Technician III			20				20	
	3" 2"	100			Plastic Inde Specific Gr		4			
	·				Specific Gr	avity				
	1.5"	98			Resistance	Value	69			
	1"	90			Cover		Stabilometer	Exp	oansion Pres	sure
	3/4"	81			Thick	kness			-	
	1/2"	60								
	3/8"	52				Sand Equiv	•			
	No. 4	43				Natural Mo	-			
	No. 10	37				Resistivity	-			
	No. 16	32			-	pH Factor	Classification	A 1 a		
	No. 40	21			1	AASHIO	Classification	A-1-a		
	No. 50	18								
	No. 100 No. 200	9								
	No. 200	<del></del>								
Remarks:	PSI = Head	pressure was utilized	on all D	rill Holes.						

Date Reported:	11/18/14									
Lab No.:	S14-05, R	V-174-14			_					
E.A.:	73862		Job D	Description:	<b>US 395 WI</b>	DENING	3			
Date Rec'd	10/22/14				1					
Samplers:	J. RIGSB	Y, R. DRAGOO		Station	"XN"293+	00		Route	US 395 N	В
P. BAKER, O. A	ALTAMIRA	ANO		Location fro	m CL (ft)	Lt.		Rt.	35'	
Sample No.:	5			County:	DOUGLAS	S				
Sample Type:					Depth (ft)	Bor	ring Description			PSI
RV ■	Sub □	Chem □	DC 🗆	Other	0				0	
Vegetation:			ubs $\square$		2		Auger Cu	ttings	2	
	Brushy $\square$	Grassy			_ 4				4	
Cut Section □		Fill Section □			6				6	
Taken Through Oil	l 🗆	Taken on Shoulder			8				8	
Gravel Depth (in)		Oil Depth (in)		_	10				10	
Remarks:					12				12	
					14				14	
					16				16	
Submitted By:		O ALTAMIRANO	0		18				18	
Title:	Engineeri	ng Technician III			20				20	
	Sieve Size  3"  2"	% Passing			Liquid Limit Plastic Index Specific Gra	-	19 NP			
	1.5"				Resistance V	-	73			
	1"				Cover	-	Stabilometer	Ext	ansion Pres	sure
	3/4"	100			Thickr	ness		1		
	1/2"	91				-				
	3/8"	88			S	and Equiv	alent			
	No. 4	79			N	atural Mo	isture, %			
	No. 10	68			R	esistivity	·			
	No. 16	60			pl	H Factor				
	No. 40	39			A	ASHTO (	Classification	A-1-b		
	No. 50	32								
	No. 100	22								
	No. 200	15								
Remarks:	DCI - Hood	pressure was utilized	l on all F	will Holos						
Kelliaiks.	1 31 – 11040	pressure was utilized	i on an L	/1111 11UICS.						

Date Reported:	11/18/14	-								
Lab No.:	S14-05, R	V-175-14			_					
E.A.:	73862	<u>-</u>	Job Descrip	otion:	US 395 W	IDENIN	<u> </u>			
Date Rec'd	10/22/14	<u>-</u>								
Samplers:		Y, R. DRAGOO	Statio	on	"XN"293+	<b>-00</b>		Route	US 395 N	В
P. BAKER, O. A		ANO			m CL (ft)	Lt.		Rt.	35'	
Sample No.:	5A		Cour	nty:	DOUGLA	S				
Sample Type:					Depth (ft)	Во	ring Description			PSI
RV ■	Sub □		DC 🗆 C	Other $\square$	0				0	
Vegetation:	None	Trees □ Shr	rubs $\square$		2				2	
	Brushy $\square$	Grassy			4				4	
Cut Section □		Fill Section			6				6	
Taken Through Oil		Taken on Shoulder	•		8		Auger Cu	ttings	8	
Gravel Depth (in)		Oil Depth (in)			10				10	
Remarks:					12				12	
					14				14	
					16				16	
Submitted By:	ORLAND	O ALTAMIRAN	0		18				18	
Title:	Engineeri	ng Technician III			20				20	
	3" 2"	% Passing			Liquid Limi Plastic Index Specific Gra	x avity	5			
	1.5"				Resistance V	Value		Г	· D	
	3/4"				Cover Thick	2000	Stabilometer	Exp	ansion Pres	sure
	1/2"				THICK	ness		•		
	3/8"	100			c	Sand Equiv	volont			
	No. 4	97				Natural Mo				
	No. 10	93				Resistivity				
	No. 16	89				H Factor	•			
	No. 40	70			•		Classification	A-4(0)		
	No. 50	61						(*)		
	No. 100	47								
	No. 200	36								
Remarks:	PSI = Head	pressure was utilized	d on all Drill He	oles.						

Date Reported:	11/18/14	_							
Lab No.:	S14-05, R	V-176-14							
E.A.:	73862	-	Job Description	on: <u>US 395 V</u>	VIDENIN	G			
Date Rec'd	10/22/14	-							
Samplers:	J. RIGSB	Y, R. DRAGOO	Station	"XN"293	3+00		Route	US 395 N	В
P. BAKER, O. A	ALTAMIR	ANO	Location	on from CL (ft)	Lt.	-	Rt.	35'	
Sample No.:	5B		County	DOUGL	AS				
Sample Type:				Depth (ft)	В	oring Description			PSI
RV ■	Sub □	Chem □	DC □ Oth	<u>ner □</u> 0				0	
Vegetation:	None	Trees □ Shr	rubs 🗆	2				2	
-	Brushy $\square$	Grassy □		4				4	
Cut Section		Fill Section		6				6	
Taken Through Oil	l 🗆	Taken on Shoulder		8				8	
Gravel Depth (in)	1	Oil Depth (in)		10				10	
Remarks:	H2O @ 10'			12		Auger Cu	ttings	12	
				14				14	
				16				16	
Submitted By:	ORLAND	O ALTAMIRAN	0	18				18	
Title:	Engineeri	ng Technician III		20				20	
	Sieve Size	% Passing		Liquid Lin		24			
	3"			Plastic Ind	ex	5			
	2"			Specific G	-				
	1.5"			Resistance	Value	57			
	1"			Cover		Stabilometer	Expa	ansion Pres	sure
	3/4"			Thic	kness		_		
	1/2"	100							
	3/8"	99			Sand Equi	valent			
	No. 4	96			Natural M	oisture, %			
	No. 10	93			Resistivity				
	No. 16	91			pH Factor				
	No. 40	77			AASHTO	Classification	A-4(0)		
	No. 50	70							
	No. 100	53							
	No. 200	39							
Remarks:	PSI = Head	pressure was utilized	d on all Drill Hole	es.					

Date Reported:	11/18/14									
Lab No.:	S14-05, RV	V-177-14			_					
E.A.:	73862		Job D	Description:	US 395 WID	DENING				
Date Rec'd	10/22/14									
Samplers:	J. RIGSBY	Y, R. DRAGOO		Station	"XN"303+8	0		Route 1	US 395 N	В
P. BAKER, O. A	LTAMIRA	ANO		Location fro	m CL (ft)	Lt		Rt.	35'	
Sample No.:	6			County:	DOUGLAS					
Sample Type:					Depth (ft)	Boring 1	Description			PSI
RV ■	Sub □	Chem □	DC 🗆	Other $\square$	0				0	
Vegetation:	None	Trees □ Sh	rubs $\square$		2		Auger Cu	ttings	2	
	Brushy $\square$	Grassy □			_ 4				4	
Cut Section □		Fill Section			6				6	
Taken Through Oil		Taken on Shoulder			8				8	
Gravel Depth (in)		Oil Depth (in)		_	10				10	
Remarks:					12				12	
					14				14	
					16				16	
Submitted By:	ORLAND	O ALTAMIRAN	<b>O</b>		18				18	
Title:	Engineerii	ng Technician III	•		20				20	
	3" 2" 1.5" 1" 3/4" 1/2" 3/8" No. 4 No. 10 No. 16 No. 40	100 98 94 81 64 54			Nat Res pH	lue	re, %	Ехра - - <b>А-1-b</b>	ansion Pres	sure
	No. 50	28			AA	isitio Cias	ssification _	A-1-0		
	No. 100	19								
	No. 200	14								
Remarks:		pressure was utilize	d on all E	Orill Holes.						

Date Reported:	11/18/14											
Lab No.:	S14-05, R	V-178-14										
E.A.:	<b>73862</b> Job Description:			US 395 WIDENING								
Date Rec'd	10/22/14											
Samplers:	J. RIGSB	Y, R. DRAGOO		Station	"XN"303+80			Route	Route US 395 NB			
P. BAKER, O. A	LTAMIRA	ANO		Location from	m CL (ft)	Lt.		Rt.	35'			
Sample No.:	6A			County:	DOUGLA	S						
Sample Type:					Depth (ft)	Во	ring Description			PSI		
RV ■	Sub □	Chem □	DC 🗆	Other $\square$	0				0			
Vegetation:	None	Trees □ Sh	rubs $\square$		2				2			
	Brushy $\square$	Grassy			_ 4				4			
Cut Section □		Fill Section			6				6			
Taken Through Oil		Taken on Shoulder			8		Auger Cu	ttings	8			
Gravel Depth (in)		Oil Depth (in)		_	10				10			
Remarks:					12				12			
					14				14			
					16				16			
Submitted By:	ORLAND	O ALTAMIRAN	Ю		18				18			
Title:	Engineeri	ng Technician II	[		20				20			
	3" 2" 1.5" 1" 3/4" 1/2" 3/8"	100 99 98			Plastic Inde Specific Gra Resistance Cover Thick	avity Value	75 Stabilometer	Exp -	ansion Pres	sure		
	No. 4	92			I	Natural Mo	isture, %					
	No. 10	81			]	Resistivity	<u>-</u>					
	No. 16	69			I	oH Factor	_					
	No. 40	38			1	AASHTO	Classification _	A-1-b				
	No. 50	28										
	No. 100	16										
	No. 200	10										
Remarks:	PSI = Head	pressure was utilize	ed on all D	Orill Holes.								

Date Reported:	11/18/14	_								
Lab No.:	S14-05, R	V-179-14			_					
E.A.:	73862	_	Job D	escription:	<b>US 395 WI</b>	<b>DENIN</b> (	<u> </u>			
Date Rec'd	10/22/14	_								
Samplers:		Y, R. DRAGOO		Station	"XN"346+	30		Route	US 395 N	В
P. BAKER, O. A		ANO		Location fro		Lt.		Rt.	35'	
Sample No.:	7			County:	DOUGLAS	5				
Sample Type:					Depth (ft)	Boi	ring Description			PSI
RV ■	Sub □	☐ Chem ☐	DC 🗆	Other	0				0	
Vegetation:	None	Trees □ Shr	rubs $\square$		2		Auger Cu	ttings	2	
	Brushy $\square$	Grassy □			4				4	
Cut Section		Fill Section			6				6	
Taken Through Oil		Taken on Shoulder			8				8	
Gravel Depth (in)	-	Oil Depth (in)		_	10				10	
Remarks:	-				12				12	
					14				14	
					16				16	
Submitted By:	ORLAND	O ALTAMIRAN	0		18				18	
Title:	Engineeri	ng Technician III			20				20	
	Sieve Size  3"  2"	% Passing			Liquid Limit Plastic Index Specific Gra		17 NP			
	1.5"	,			Resistance V		68			
	1"				Cover	•	Stabilometer	Exp	ansion Pres	sure
	3/4"	100			Thickr	ness				
	1/2"	96				•		•		
	3/8"	92			Sa	and Equiv	alent			
	No. 4	82			N	atural Mo	isture, %			
	No. 10	73			R	esistivity	_			
	No. 16	66			pl	H Factor				
	No. 40	43			A	ASHTO (	Classification	A-1-b		
	No. 50	35								
	No. 100	24								
	No. 200	17								
Remarks:	PSI = Head	pressure was utilized	d on all D	rill Holes.						
										-

Date Reported:	11/18/14									
Lab No.:	S14-05, R	V-180-14			_					
E.A.:	73862		Job D	escription:	US 395 W	IDENIN	<b>3</b>			
Date Rec'd	10/22/14									
Samplers:	J. RIGSBY	Y, R. DRAGOO		Station	"XN"346+	-30		Route	US 395 N	В
P. BAKER, O. A	ALTAMIRA	ANO		Location from	m CL (ft)	Lt.		Rt.	35'	
Sample No.:	7A			County:	DOUGLA	S				
Sample Type:					Depth (ft)	Bor	ring Description			PSI
RV ■	Sub □	Chem □	DC $\square$	Other $\square$	0				0	
Vegetation:			ubs $\square$		2				2	
	Brushy $\square$	Grassy			4				4	
Cut Section □		Fill Section			6				6	
Taken Through Oil		Taken on Shoulder			8		Auger Cu	ttings	8	
Gravel Depth (in)		Oil Depth (in)		_	10				10	
Remarks:					12				12	
					14				14	
					16				16	
Submitted By:		O ALTAMIRANO	)		18				18	
Title:	Engineerii	ng Technician III			20				20	
	Sieve Size  3"	% Passing			Liquid Limit Plastic Index Specific Gra	x	14			
	2"				Specific Gra	vity				
	1.5"				Resistance V	Value	22			
	1"				Cover		Stabilometer	Exp	pansion Pres	sure
	3/4"				Thick	ness				
	1/2"	100								
	3/8"	99				Sand Equiv	-			
	No. 4	97				Natural Mo	isture, %			
	No. 10	94				Resistivity	-			
	No. 16	92			-	H Factor	-	A ((1))		
	No. 40	83			Α	AASHTO	Classification	A-6(4)		
	No. 50	79								
	No. 100	69								
	No. 200	51								
Remarks:	PSI = Head	pressure was utilized	l on all D	rill Holes.						

Date Reported:	11/18/14	<u>-</u>								
Lab No.:	S14-05, R	V-181-14			_					
E.A.:	73862	_	Job D	escription:	US 395 WI	DENING	7			
Date Rec'd	10/22/14	_			-					
Samplers:	J. RIGSB	Y, R. DRAGOO		Station	"XN"356+0	00		Route	US 395 N	В
P. BAKER, O. A		ANO		Location fro		Lt.		Rt <b>35'</b>		
Sample No.:	8			County:	DOUGLAS					
Sample Type:					Depth (ft)	Bor	ing Description			PSI
RV ■	Sub □	☐ Chem ☐	DC 🗆	Other	0				0	
Vegetation:	None	Trees □ Shr	rubs $\square$		2		Auger Cu	ttings	2	
	Brushy $\square$	Grassy □			4				4	
Cut Section		Fill Section			6				6	
Taken Through Oil		Taken on Shoulder			8				8	
Gravel Depth (in)	-	Oil Depth (in)		_	10				10	
Remarks:	-				12				12	
					14				14	
					16				16	
Submitted By:	ORLAND	O ALTAMIRAN	0		18				18	
Title:	Engineeri	ng Technician III			20				20	
	Sieve Size  3"  2"	% Passing			Liquid Limit Plastic Index Specific Grav	-	3			
	1.5"				Resistance Va	alue	74			
	1"	100			Cover		Stabilometer	Exp	ansion Pres	sure
	3/4"	99			Thickn	ess _				
	1/2"	99								
	3/8"	95			Sa	nd Equiv	alent _			
	No. 4	87			Na	atural Mo	isture, %			
	No. 10	73			Re	esistivity	-			
	No. 16	64			pF	I Factor	-			
	No. 40	43			A	ASHTO (	Classification _	A-1-b		
	No. 50	36								
	No. 100	24								
	No. 200	17								
Remarks:	PSI = Head	pressure was utilized	d on all D	rill Holes.						

Date Reported:	11/18/14									
Lab No.:	S14-05, R	V-182-14			_					
E.A.:	73862		Job D	Description:	US 395 W	IDENIN	$\mathbf{G}$			
Date Rec'd	10/22/14				(					
Samplers:	J. RIGSB	Y, R. DRAGOO		Station	"XN"356	<b>-00</b>		Route	US 395 N	В
P. BAKER, O. A	LTAMIRA	ANO		Location fro	m CL (ft)	Lt.		Rt.	35'	
Sample No.:	8A			County:	DOUGLA	S				
Sample Type:					Depth (ft)	Во	ring Description			PSI
RV ■	Sub □	Chem □	DC 🗆	Other	0				0	
Vegetation:			ubs $\square$		2				2	
	Brushy $\square$	Grassy			4				4	
Cut Section □		Fill Section □			6				6	
Taken Through Oil		Taken on Shoulder			8		Auger Cu	ttings	8	
Gravel Depth (in)		Oil Depth (in)		_	10				10	
Remarks:					12				12	
					14				14	
					16				16	
Submitted By:		O ALTAMIRAN	0		18				18	
Title:	Engineeri	ng Technician III			20				20	
	Sieve Size  3"  2"	% Passing			Liquid Limi Plastic Index Specific Gra	x	<u>26</u> 5			
	1.5"				Resistance V	-	53			
	1"				Cover	v aruc	Stabilometer	Ext	pansion Pres	sure
	3/4"				Thick	ness	Stabilometer	ĽΛ	Junision 1 103	surc
	1/2"				Tillen	ness				
	3/8"	100			S	Sand Equiv	ralent			
	No. 4	98				Natural Mo	-			
	No. 10	95				Resistivity	-			
	No. 16	92				H Factor	-			
	No. 40	78			-		Classification	A-4(0)		
	No. 50	73					-			
	No. 100	53								
	No. 200	38								
Remarks:	PSI = Head	pressure was utilized	l on all D	Orill Holes.						