STATE OF NEVADA DEPARTMENT OF TRANSPORTATION MATERIALS DIVISION GEOTECHNICAL SECTION

SR 604
MP CL 44.8 TO 50.4
CLARK COUNTY, NEVADA

OCTOBER 2015

EA 73781

Prepared by
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Reviewed by
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Chief Geotechnical Engineer

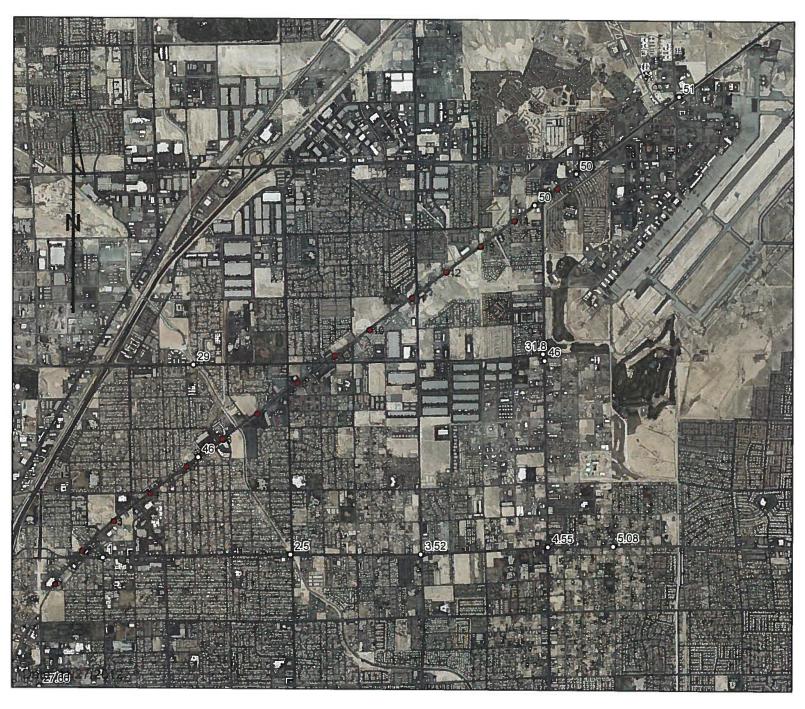
This report presents laboratory test results consisting of gradation, liquid limit, plasticity index and R-value data only. No interpretations of the data are presented. The tests were performed on samples collected at the locations and depths indicated on the individual data sheets. Each boring was 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.

Boring Locations are shown on the attached drawing. Test results are also attached.

SR 604 MP CL 44.8 to CL 50.4



- DRILL TEST HOLE
- Interstate
- O State Route
- O US Route
- O Ramp

1:48,000

0 1,30@,600 5,200 7,800 10,400 Feet

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

DATA PROVIDED BY "MATERIAL SFIELD CREW (028)"



Brian Sand oval



Nevada Department of Transportator 1263 South Stewart St. Carson City, Nevada 89712 (775) 888-7000

Date Reported:	12/18/12	_							
Lab No.:		RV-698-12			-				
E.A.:	9100	_	Job D	Description:	SR 604 MP	44.789 to MP 50.39	95		
Date Rec'd	11/27/12							GT 40.4	
Samplers:	LARRA			Station		& LVBN+300'		SR 604	
BEUS, PYPKO	•	HITE		Location fro		Lt	Rt.	18'	
Sample #	1			County:	CLARK				
Sample Type:			_	_	Depth (ft)	Boring Description		. 1	PSI
RV ■	Sub [DC 🗆	Other -	0		\1	0	300
Vegetation:	None		Shrubs \square		<u> </u>	(Dil		
	Brushy ∟	l Grassy □			_ 1			1	
Cut Section	_	Fill Section	_		_	В	ase	_	
Taken Through Oi	1	Taken on Should	ler 🗆		2			2	
Gravel Depth (in)		Oil Depth (in)		_		a.,	~ .		
Remarks:	OIL	0 - 7"			3		Sand	3	
	BASE	7" - 2' 0"			- ,		3ravel		
g 1 1 1 1 D	RV	2' - 5'			_ 4	C	lay	4	
Submitted By:	D. WHIT		E 7		[<i>-</i>	
Title:	Engineer	ing Technician	<u>v</u>		5			 (
	a. a.	l " p ·			T' '1T' '/	21			
	Sieve Size	% Passing			Liquid Limit	31			
	3"				Plastic Index	16			
	2"				Specific Grav		_		
	1.5"	 			Resistance Va		_	г :	D
	1"	100			Cover	Stabilomete ess 20.9	r	Expansion	Pressure
	3/4" 1/2"	97			Thickne	ess <u>20.9</u>			
	3/8"	90			Ç.	nd Equivalent			
	No. 4	82				nd Equivalent atural Moisture, %	-		
	No. 10	74				esistivity			
	No. 16	71				I Factor			
	No. 40	68			-	ASHTO Classification	A-6(4)		
	No. 50	66			A	ASTITO Classification	A-0(4)		
	No. 100	60							
	No. 200	48							
	110. 200	1 70							
Remarks:									

Date Reported:	12/18/12	12/18/12											
Lab No.:	S12-12, RV	7-699-12											
E.A.:	9100	_	Job D	Description:	SR 604 MI	P 44.789 t	o MP 50.395						
Date Rec'd	11/27/12												
Samplers:	LARRACU	J ENTE	_	Station	TONOPAL	H & LVB	N+2100'	Route	SR 604				
BEUS, PYPKO	WSKI, WHI	ITE	_	Location fro	om CL (ft)	Lt.		Rt.	18'				
Sample #	2		_	County:	CLARK								
Sample Type:					Depth (ft)	Bori	ng Description			PSI			
RV ■	Sub □	Chem □	DC 🗆	Other	0				0	300			
Vegetation:	None	Trees	Shrubs		_		Concrete	;					
	Brushy \square	Grassy □			1				1				
Cut Section □		Fill Section					No Base						
Taken Through Co	oncrete	Taken on Shoul	lder 🗆		2				2				
Gravel Depth (in)		Oil Depth (in)		<u></u>									
Remarks:	CONCRETE	E 0 - 11"		<u>-</u> "	3		Silt, Sano	1	3				
	BASE	No Base					Lt. Grave	1					
	RV	11" - 5' 0"			4		Clay		4				
Submitted By:	D. WHITE	4			_								
Title:	Engineerin	g Technician V	V		5				5				
	Sieve Size 3" 2" 1.5"	% Passing	• - -		Liquid Limit Plastic Index Specific Gra Resistance V	x	9						
	1"		=		Cover	_	Stabilometer		Expansion	Pressure			
	3/4"	100	=		Thick	ness	15.4						
	1/2"	98	=			_	_						
	3/8"	96	_		S	and Equiva	lent						
	No. 4	89	_		N	Natural Moi	sture, %						
	No. 10	80			R	Resistivity							
	No. 16	76			р	H Factor							
	No. 40	70			A	AASHTO C	Classification	A-4(1)					
	No. 50	69	_										
	No. 100	59	_										
	No. 200	42	_										
		•	-										
Remarks:													

Date Reported: Lab No.:	12/18/12 S12-12, F	_ RV-700-12						
E.A.:	9100		Job D	escription:	SR 604 MP 44.	.789 to MP 50.395		
Date Rec'd	11/27/12							
Samplers:	LARRA	CUENTE		Station	TONOPAH &	LVBN+3900'	Route SR 604	
BEUS, PYPKO	WSKI, W	HITE		Location fro	om CL (ft)	Lt.	Rt. 30'	
Sample #	3	_		County:	CLARK			
Sample Type:					Depth (ft)	Boring Description		PSI
RV ■	Sub [□ Chem □	DC 🗆	Other \square	0		0-	300
Vegetation:	None	Trees	Shrubs			Oil		_
	Brushy [☐ Grassy ☐			1		1-	
Cut Section □		Fill Section]			Base		
Taken Through Oi	1	Taken on Should	ler 🗆		2		2-	
Gravel Depth (in)		Oil Depth (in)		_				
Remarks:	OIL	0 - 6 1/2"			3	Silt, Sand	1 3-	
	BASE	6 1/2" - 1' 7 1/2"			_	Lt. Grave	1	
	RV	1' 7 1/2" - 5'			4	Clay	4-	
Submitted By:	D. WHIT	TE .			_			
Title:	Engineer	ring Technician	V		5		5-	
	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 96 91 76 66 63 60 59 53 40			Natura Resist pH Fa	Stabilometer 20.6 Equivalent al Moisture, % ivity	Expansion A-6(2)	on Pressure
Remarks:								

Date Reported: Lab No.:	12/18/12 \$12-12 F	_ RV-701-12	,								
E.A.:	9100	X V - 701-12	Ioh Γ	Description:	SR 604 MP 44.789 to MP 50.395						
Date Rec'd	11/27/12	_	300 L	escription.	BR 004 MI 4	4.707 to 1/11 50.575					
Samplers:	LARRA	- CUENTE		Station	CAREY & L	VBN	Route	SR 604			
BEUS, PYPKO			•	Location fro		Lt.	Rt.				
Sample #	4		•	County:	CLARK						
Sample Type:				•	Depth (ft)	Boring Description			PSI		
RV ■	Sub [□ Chem □	DC 🗆	Other \Box		•		0	300		
Vegetation:	None	Trees	Shrubs		_	Oil					
	Brushy [☐ Grassy ☐			1			1			
Cut Section	•	Fill Section			_	Base					
Taken Through Oil	1	Taken on Shoul	der 🗆		2			2			
Gravel Depth (in)		Oil Depth (in)									
Remarks:	OIL	0 - 7"		_	3	Silt, Sa	nd	3			
	BASE	7" - 1' 6"			_	Lt. Grav	/el				
	RV	1' 6" - 5'			4	Clay		4			
Submitted By:	D. WHIT	TE .									
Title:	Engineer	ing Technician	V		5			5			
	Sieve Size 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 90 83 69 58 54 49 47 39 33			Natu Resi pH F	ne 19 Stabilometer	A-2-6(1)	Expansion	Pressure		
Remarks:	-										

Date Reported: Lab No.:	12/18/12 S12-12, F	_ RV-702-12									
E.A.:	9100		Job D	Description:	SR 604 MP 44.789 to MP 50.395						
Date Rec'd	11/27/12	_		•							
Samplers:	LARRA	CUENTE		Station	CAREY & L	VBN + 1800'	Route	SR 604			
BEUS, PYPKO	WSKI, WI	HITE	•	Location fro	om CL (ft)	Lt.	Rt.	45'			
Sample #	5		-	County:	CLARK						
Sample Type:					Depth (ft)	Boring Description			PSI		
RV ■	Sub [☐ Chem ☐	DC 🗆	Other \Box	0			0	300		
Vegetation:	None	Trees	Shrubs \square			Oil					
	Brushy [l Grassy □			1			1			
Cut Section □		Fill Section				Base					
Taken Through Oi	1	Taken on Shoul	der 🗆		2			2			
Gravel Depth (in)		Oil Depth (in)		_							
Remarks:	OIL	0 - 8"			3	Silt, San	d	3			
	BASE	8" - 1' 8"			_	Lt. Grave	el				
	RV	1' 8" - 5'			4	Clay		4			
Submitted By:	D. WHIT	`E			_						
Title:	Engineer	ing Technician	V		5			5			
	Sieve Size 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 93 81 64 49 45 39 38 32			Natu Resi pH l	ue 33 Stabilometer	A-2-4(0)	Expansion	Pressure		
Remarks:											

Date Reported:	12/18/12									
Lab No.:	S12-12, I	RV-703-12			_					
E.A.:	9100	<u> </u>	Job D	Description:	SR 604 MP	44.789 to MP 50.395				
Date Rec'd	11/27/12	<u> </u>								
Samplers:	LARRA	CUENTE	_	Station		Γ & LVBN 50' S/O	Route SR 604	Route SR 604		
BEUS, PYPKO	WSKI, W	HITE	_	Location fro	om CL (ft)	Lt	Rt. 48'	_		
Sample #	6			County:	CLARK					
Sample Type:					Depth (ft)	Boring Description		PSI		
RV ■	Sub [□ Chem □	DC 🗆	Other [<u> </u>		0-	300		
Vegetation:	None	Trees □	Shrubs \square		_	Oil		-		
	Brushy [☐ Grassy ☐			1	Base	1-	_		
Cut Section □		Fill Section								
Taken Through Oi	1	Taken on Shoul	lder 🗆		2		2-	-		
Gravel Depth (in)		Oil Depth (in)		_						
Remarks:	OIL	0 - 5"			3	Silt, Sand	3-	-		
	BASE	5" - 1' 2"			_	Lt. Gravel				
	RV	1' 2" - 5'			4	Clay	4-	-		
Submitted By:	D. WHI	ГЕ			_					
Title:	Engineer	ing Technician	V		5		5-	-		
	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 91 88 75 67 64 61 60 52	•		Na Re pF	vity alue Stabilometer	Expansion A-4(0)	n Pressure		
Remarks:										

Date Reported:	12/18/12	_							
Lab No.:		2V-704-12			_				
E.A.:	9100	_	Job D	escription:	SR 604 MP 4	4.789 to MP 50.395			
Date Rec'd	11/27/12	_							
Samplers:	LARRAC			Station		& LVBN + 1800'	Route S		
BEUS, PYPKO		HITE		Location fro		Lt.	Rt.	34'	
Sample #	7			County:	CLARK				
Sample Type:					Depth (ft)	Boring Description			PSI
RV ■	Sub [DC 🗆	Other	0			0	300
Vegetation:	None	Trees □	Shrubs			Oil			
	Brushy	Grassy \square			1			1	
Cut Section □						Base			
Taken Through Oi	1	Taken on Shoul	der 🗆		2			2	
Gravel Depth (in)		Oil Depth (in)		-					
Remarks:	OIL	0 - 9"			3	Silt, Sand		3	
	BASE	9" - 1' 5"			_	Lt. Gravel			
	RV	1' 5" - 5'			4	Clay		4	
Submitted By:	D. WHIT	'E			_				
Title:	Engineer	ing Technician	V		5			5	
	Sieve Size	% Passing			Liquid Limit	25			
	3"				Plastic Index	9			
	2"				Specific Gravity	y			
	1.5"				Resistance Valu	ie 49			
	1"				Cover	Stabilometer		Expansion	Pressure
	3/4"	100			Thicknes	s 12.6	_		
	1/2"	94					· -		
	3/8"	93			Sano	d Equivalent			
	No. 4	83			Natu	ıral Moisture, %			
	No. 10	75			Resi	stivity			
	No. 16	73			рН І	Factor			
	No. 40	70			AAS	SHTO Classification	A-4 (2)		
	No. 50	69				_			
	No. 100	66							
	No. 200	58							
	1	•							
Remarks:									

Date Reported: Lab No.:	12/18/12 S12-12, I	_ RV-705-12									
E.A.:	9100		Job D	Description:	SR 604 MP 44.789 to MP 50.395						
Date Rec'd	11/27/12	_									
Samplers:	LARRA	CUENTE		Station	PECOS & L	VBN + 400'	Route	SR 604			
BEUS, PYPKO	WSKI, W	HITE	•	Location fro	om CL (ft)	Lt.	Rt.	34'			
Sample #	8			County:	CLARK						
Sample Type:					Depth (ft)	Boring Description			PSI		
RV ■	Sub [□ Chem □	DC 🗆	Other \Box	0			0	300		
Vegetation:	None	Trees	Shrubs			Oil					
	Brushy [☐ Grassy ☐			1	Base		1			
Cut Section		Fill Section									
Taken Through Oi	l =	Taken on Shoul	der 🗆		2			2			
Gravel Depth (in)		Oil Depth (in)		_							
Remarks:	OIL	0 - 7"			3	Silt, San	d	3			
	BASE	7" - 1' 3"				Lt. Grave	el				
	RV	1' 3" - 5'			4	Clay		4			
Submitted By:	D. WHIT	TE .			_						
Title:	Engineer	ing Technician	V		5			5			
	3" 2" 1.5" 1" 3/4" 1/2" 3/8" No. 4 No. 10 No. 16 No. 50 No. 100 No. 200	100 99 95 82 74 71 68 67 64			Natu Resi pH I	ss 7.7 d Equivalent ural Moisture, % istivity Factor	A-4(1)	Expansion	Pressure		
Remarks:											

Date Reported:	12/18/12	_							
Lab No.:		RV-706-12							
E.A.:	9100	_	Job I	Description:	SR 604 MP 44	1.789 to MP 50.395			
Date Rec'd	11/27/12	_						<u></u>	
Samplers:	LARRA			Station		& LVBN + 500'	•	SR 604	
BEUS, PYPKO	•	HITE		Location fro		Lt	Rt.	36'	
Sample #	9			County:	CLARK				
Sample Type:					Depth (ft)	Boring Description			PSI
RV ■	Sub [DC 🗆	Other [<u> </u>	0.1		0	300
Vegetation:	None		rubs \square			Oil			
	Brushy [∃ Grassy □			_ 1	ъ		1	
Cut Section		Fill Section				Base			
Taken Through Oi	1	Taken on Shoulder			2			2	
Gravel Depth (in)		Oil Depth (in)		_					
Remarks:	OIL	0 - 8"			_ 3	Silt, San		3	
-	BASE	8" - 1' 5"			_	Lt. Grave	el		
	RV	1' 5" - 5'			_ 4	Clay		4	
Submitted By:	D. WHIT				_				
Title:	Engineer	ing Technician V			5			5	
	Sieve Size	% Passing			Liquid Limit	33			
	3"	70 T ussning			Plastic Index	17			
	2"	 			Specific Gravity				
	1.5"				Resistance Valu				
	1"	100			Cover	Stabilometer		Expansion	Pressure
	3/4"	95			Thickness			Zinpunision	110000010
	1/2"	90			1111011110		•		
	3/8"	87			Sand	Equivalent			
	No. 4	80				ral Moisture, %			
	No. 10	73				tivity			
	No. 16	71			рН Б	_			
	No. 40	68			_		A-6(5)		
	No. 50	67				_			
	No. 100	63							
	No. 200	51							
Remarks:									

Date Reported:	12/18/12	_							
Lab No.:	S12-12, R	V-707-12			_				
E.A.:	9100	_	Job D	Description:	SR 604 MP 44	4.789 to MP 50.395			
Date Rec'd	11/27/12	_							
Samplers:	LARRAC	CUENTE	_	Station	CHEYENNE	& LVBN + 2300'	Route	SR 604	
BEUS, PYPKO	WSKI, WI	HITE	_	Location fro	om CL (ft)	Lt	Rt.	36'	
Sample #	10			County:	CLARK				
Sample Type:					Depth (ft)	Boring Description			PSI
RV ■	Sub □	☐ Chem ☐	DC 🗆	Other \Box	<u>1</u> 0			0	300
Vegetation:	None	Trees	Shrubs \square			Oil			
	Brushy \square	Grassy □			1	Base		1	
Cut Section □		Fill Section							
Taken Through Oil		Taken on Shou	lder 🗆		2			2	
Gravel Depth (in)		Oil Depth (in)		_					
Remarks:	OIL	0 - 6"			3	Silt, Sand		3	
	BASE	6" - 1' 0"			_	Lt. Gravel			
	RV	1' - 5'			4	Clay		4	
Submitted By:	D. WHIT				_				
Title:	Engineer	ing Technician	ı V		5			5	
	3" 2" 1.5" 1" 3/4" 1/2" 3/8" No. 4 No. 10 No. 16 No. 40 No. 50	100 88 85 74 66 63 59 58	- - - - - - -		Natu Resis pH F	Stabilometer 23.7 Equivalent ral Moisture, % stivity factor	A-6(2)	Expansion	Pressure
	No. 100	52	-						
	No. 200	40	_						
Remarks:									

Date Reported:	12/18/12	_								
Lab No.:	S12-12, R	XV-708-12								
E.A.:	9100		Job D	escription:	- SR 604 MP	44.789 to	MP 50.395			
Date Rec'd	11/27/12								· ·	
Samplers:	LARRAC	CUENTE		Station	LAMB & I	LVBN S/O	200'	Route	SR 604	
BEUS, PYPKO	WSKI, WE	HITE		Location fro	om CL (ft)	Lt.	20		44'	
Sample #	11			County:	CLARK		ay .			
Sample Type:					Depth (ft)	Boring	g Description			PSI
RV	Sub □	☐ Chem ☐	DC 🗆	Other [0				0	300
Vegetation:	None	Trees	Shrubs 🗆				Oil			
	Brushy 🗆	Grassy			1		Base		1	
Cut Section		Fill Section	I							
Taken Through Oil		Taken on Should	er 🗆		2				2	
Gravel Depth (in)		Oil Depth (in)		_						
Remarks:	OIL	0 - 8"			3		Silt, Sand		3	
	BASE	8" - 1' 2"					Lt. Gravel			
	RV	1' 2" - 5'			4		Clay		4	
Submitted By:	D. WHIT	E								
Title:	Engineeri	ng Technician V	7		5				5	
		1								
	Sieve Size	% Passing			Liquid Limit		27			
	3"				Plastic Index		10			
	2"				Specific Grav	vity				
	1.5"				Resistance V	alue	19			
	1"				Cover	S	Stabilometer		Expansion	Pressure
	3/4"	100			Thickn	iess	21.8		_	
	1/2"	98								
	3/8"	94			Sa	and Equivale	ent			
	No. 4	82			Na	atural Moist	ure, %			
	No. 10	72			Re	esistivity				
	No. 16	68			pF	H Factor				
	No. 40	64			A	ASHTO Cla	assification A	A-4(1)		
	No. 50	63								
	_No. 100	58								
	No. 200	46								
Remarks:										
		8.								

Date Reported:	12/18/12	_	,	~						
Lab No.:	S12-12, R	V-709-12			_					
E.A.:	9100	_	Job D	escription:	SR 604 MI	P 44.789 t	o MP 50.395			
Date Rec'd	11/27/12	_			8					
Samplers:	LARRAC	CUENTE		Station	LAMB & I	LVBN + 1	1500'	Route	SR 604	
BEUS, PYPKO	OWSKI, WHITE			Location from		m CL (ft) Lt.		Rt.		
Sample #	12			County:	CLARK					
Sample Type:					Depth (ft)	Bori	ing Description			PSI
RV ■	Sub □	Chem □	DC 🗆	Other 🗆	0			-	0	300
Vegetation:	None	Trees □ S	hrubs 🗆				Oil			
	Brushy 🗆	Grassy □			1		Base		1	
Cut Section □		Fill Section								
Taken Through Oil		Taken on Shoulde	r 🗆		2				2	
Gravel Depth (in)		Oil Depth (in)							370	
Remarks:	OIL	0 - 7"		-	3		Silt, Sand	ı	3	
	BASE	7" - 1' 4"					Lt. Grave			
	RV	1' 4" - 5"			4		Clay	-	4	
Submitted By:	D. WHIT	C					,		•	
Title:	Engineeri	ng Technician V			· 5				- 5	
									- 1	
					, ii					
	Sieve Size	% Passing			Liquid Limit	t	30			
	3"				Plastic Index		13			
	2"				Specific Grav	vity				
	1.5"				Resistance V	_	21			
	1"				Cover	_	Stabilometer		Expansion 1	Pressure
	3/4"	100			Thickn	ness	21.2			
	1/2"	87				_				
	3/8"	82			Sa	and Equiva	lent			
	No. 4	70				atural Mois				
	No. 10	59				esistivity	·			
	No. 16	55				H Factor				
	No. 40	51			-		lassification	A-6(1)		
	No. 50	50						(<u>-</u>)		
	No. 100	46								
	No. 200	36								
Remarks:										
<u></u>										
9/35										
					-					

Date Reported:	12/18/12	_			LII (G L	71 11 11						
Lab No.:	S12-12, RV-710-12				-							
E.A.:	9100	_	Job I	Description:	SR 604 MP 44.789 to MP 50.395							
Date Rec'd	11/27/12											
Samplers:	LARRACUENTE			Station	LAMB & L	VBN + 330	0'	Route	SR 604			
	OWSKI, WHITE			Location fro	m CL (ft)	Lt			38'			
Sample #	13			County:	CLARK							
Sample Type:					Depth (ft)	Boring D	Description			PSI		
RV R	Sub [☐ Chem ☐	DC 🗆	Other \Box	0				0-	300		
Vegetation:	None	Trees Shi	rubs 🗆				Oil					
	Brushy	Grassy			_ 1				1			
Cut Section		Fill Section			-		Base					
Taken Through Oil		Taken on Shoulder			2				2			
Gravel Depth (in)		Oil Depth (in)		_								
Remarks:	OIL	0 - 10 1/2"			3		Silt, Sand		3			
	BASE	10 1/2" - 1' 4"					Lt. Gravel					
	RV	1' 4" - 5'			4		Clay		4			
Submitted By:	D. WHIT	E					-					
Title:	Engineeri	ing Technician V			5		-		5_			
		NULL CONTRACTOR OF THE PARTY OF										
	C: C:	Ct. D										
	Sieve Size	% Passing			Liquid Limit							
	3"				Plastic Index		8					
	2"				Specific Grav							
	1.5"	100			Resistance Va		24					
	1"	100			Cover		bilometer		Expansion	Pressure		
	3/4"	97			Thickne	ess	20.3					
	1/2"	92										
	3/8"	87				nd Equivalent						
	No. 4	73				tural Moisture	2, %					
	No. 10	62				sistivity	_					
	No. 16	59			-	[Factor						
	No. 40	55			AA	ASHTO Class	ification A-	2-4(0)				
	No. 50	54										
	No. 100	43										
	No. 200	29										
Danisalas												
Remarks:												
	- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10											
	W											

Date Reported:	12/18/12	_		Z OIRIVII	BING	D1 X 1 11	L			
Lab No.:	S12-12, R	V-711-12								
E.A.:	9100		Job D	Description:	SR 604 M	P 44.789	to MP 50.395			
Date Rec'd	11/27/12	_		-	·					
Samplers:	LARRAC	CUENTE		Station	LAMB &	LVBN +	5100'	Route	SR 604	
BEUS, PYPKO	OWSKI, WHITE			Location fro		Lt.		Rt.		
Sample #	14			County:	CLARK					
Sample Type:					Depth (ft)	Во	ring Description			PSI
RV =	Sub 🗆	☐ Chem ☐	DC 🗆	Other \square	0				0_	300
Vegetation:	None	Trees Shi	rubs 🗆				Oil			
	Brushy	Grassy 🗆			1				1	
Cut Section □		Fill Section					Base			
Taken Through Oil		Taken on Shoulder			2				2	
Gravel Depth (in)		Oil Depth (in)		_						
Remarks:	OIL	0 - 8"			3		Silt, San	Ė	3	
	BASE	8" - 1' 4"					Lt. Grave	el		
	RV	1' 4" - 5'			4		Clay		4	
Submitted By:	D. WHIT								1	
Title:	Engineeri	ng Technician V			5				5_	
	Sieve Size	% Passing			Liquid Limi	t	29			
	3"	70 1 4351115			Plastic Index					
	2"						13			
	1.5"				Specific Gra Resistance V		19			
	1"				Cover	value .	Stabilometer		F	D
	3/4"	100			Thick	Bacc	21.8		Expansion 1	Pressure
	1/2"	99			THICK	11022	21.0			
	3/8"	95			9	Sand Equiv	alant			
	No. 4	83				Vatural Mo		_		
	No. 10	73				Resistivity				
	No. 16	69				H Factor	_			
	No. 40	65			-		— Classification	A-6(2)		
	No. 50	64			•			11-0(2)		
	No. 100	55								
	No. 200	43								
Remarks:										
25 PT										
			17							

Date Reported:	12/18/12		,								
Lab No.:		RV-712-12			_						
E.A.:	9100 Job Description:			SR 604 MP 44.789 to MP 50.395							
Date Rec'd	11/27/12	_									
Samplers:	LARRAC		_	Station	NELLIS &	& LVBN +	1200'	Route	SR 604		
BEUS, PYPKO		HITE	_	Location fro	m CL (ft)	Lt.		Rt.	35'		
Sample #	15			County:	CLARK						
Sample Type:					Depth (ft)	Bor	ing Description			PSI	
RV	Sub 🗆	☐ Chem ☐	DC 🗆	Other \Box	0				0-	300	
Vegetation:	None	Trees	Shrubs \square				Oil				
	Brushy	Grassy 🗆			_ 1		Base		1		
Cut Section		Fill Section									
Taken Through Oil		Taken on Shou	lder 🗆		2				2		
Gravel Depth (in)		Oil Depth (in)		_					ģ		
Remarks:	OIL	0 - 8 1/2"			3		Silt, Sand		3		
	BASE	8 1/2" - 1' 3"					Lt. Gravel				
	RV	1' 3" - 5'			4		Clay		4		
Submitted By:	D. WHIT	E									
Title:	Engineeri	ng Techniciar	ı V		5		_		5		
					.,						
	Sieve Size	% Passing	_		Liquid Limi	t _	36				
	3"				Plastic Index	х	17				
	2"		- Control of the Cont		Specific Gra	vity					
	1.5"		_		Resistance V	Value _	15				
	1"		→		Cover		Stabilometer		Expansion l	Pressure	
	3/4"	100	_		Thick	ness _	23.1				
	1/2"	96	_								
	3/8"	93	_		S	Sand Equiva	lent				
	No. 4	81	_		N	Natural Moi	sture, %				
	No. 10	69	_		R	Resistivity					
	No. 16	65	_		p	H Factor					
	No. 40	60	_		Α	AASHTO C	Classification A	A-6(2)			
	No. 50	58	_								
	No. 100	50	_								
	No. 200	39	_								
Remarks:											