WOOD RODGERS

April 24, 2015
Project No. 2892.040

Mr. Rick Joy
JOY ENGINEERING
81822 State Route 70
Beckwourth, California 96129

RE: USA Parkway Pit – Type 2, Class B Aggregate Base Course

Dear Mr. Joy:

Per your request, we have performed testing on the Type 2, Class B aggregate base course delivered to our laboratory from the USA Parkway Pit. Test results in comparison with local standard specifications are as follows:

Sieve Size Analysis (ASTM C136/C117)		
U.S. Standard Sieve Size	Percent By Weight Passing	
	USA Parkway Pit	Local Standard Specifications*
1 Inch	100	100
¾ Inch	100	90 – 100
½ Inch	99	–
⅜ Inch	93	–
No. 4	63	35 – 65
No. 10	36	25 – 53
No. 16	25	15 – 40
No. 40	14	12 – 28
No. 100	9	–
No. 200	7.0	2 – 10

Fractured Faces (Nev. T230)	
USA Parkway Pit	Local Standard Specifications*
92%	35% Minimum

Atterberg Limits (ASTM D4318)		
	USA Parkway Pit	Local Standard Specifications*
Liquid Limit	No Value	35 Maximum
Plasticity Index	Nonplastic	6 Maximum

R-Value (ASTM D2844)	
USA Parkway Pit	Local Standard Specifications*
76	70 Minimum

Los Angeles Abrasion (ASTM C131)		
	USA Parkway Pit	Local Standard Specifications*
Percent Loss After 500 Revolutions (Grading B)	24.2%	45% Maximum

*Standard Specifications for Public Works Construction (Washoe County, Sparks, Reno, Carson City and Douglas County) 2012 and NDOT Standard Specifications for Road and Bridge Construction, 2012.

Moisture Density (ASTM D1557C)	
Maximum Dry Density	124.6 PCF
Optimum Moisture	12.2%

We appreciate the opportunity to provide our laboratory testing services. If you have any questions or require further information, please do not hesitate to call.

Sincerely,

Wood Rodgers, Incorporated

Casey Engels
Laboratory Technician

Brian Clark, PE
Laboratory Manager
RE Number 23118
Expires: 12-31-16

REGISTERED PROFESSIONAL ENGINEER - STATE OF NEVADA
BRIAN TIMOTHY CLARK
Exp. 12-31-16
CIVIL
No. 23118

4-24-15

BTC:CE:da