



**ADDENDUM/AMENDMENT NUMBER ONE
(October 6, 2017)**

**RIO RANCHO PUBLIC SCHOOLS
PURCHASING DEPARTMENT
500 LASER ROAD NE
RIO RANCHO, NEW MEXICO 87508**

INVITATION FOR BID: Bid #2018-002-FAC

**TITLE: Sandia Vista Elementary School New Parking Lot Improvement
Project
(Project# 083020-16-001)**

DEADLINE FOR RECEIPT OF BIDS IS AS FOLLOWS:

DUE DATE: Friday, October 13, 2017 @ 2:00PM.

TIME: 2:00 PM (MT)

DELIVER TO: Rio Rancho Public Schools
Purchasing Department
500 Laser Road NE
Rio Rancho, New Mexico 87124

The purpose of this amendment is to provide RRPS's written response to the following question that have been timely submitted – see listing below. *All other BID terms, conditions, specifications, requirements and criteria remain unchanged.*

Question #1: *The voltage drop on #10 THHN conductors will be around 6.5% which is double the code required 3% allowable. Can you verify?*

Response: Based on existing as built drawings the wire size to the last existing light fixture where

the power is being connected to the new lighting is a #6. All of the existing lighting has been changed to LED lighting on a 277v circuit. With the addition of the new lighting the entire circuit is calculated to have 12.54 Amps. The voltage drop to the last existing light is 1.8% and to the end of the new lighting is 2.3%. See calculations below.

Description	Starting Voltage	Phase (1or 3)	Load Amps	Wire size	# of wires per Ph.	Magnetic conduit	length (ft)	Wire size	Vdrop	Ending Voltage	% Vdrop
lighting point1	277	1	12.54	6	1	non-mag	308	6	3.399	273.6	1.2%
lighting point2	273.6	1	5.83	6	1	non-mag	130	6	0.667	272.9	0.2%
lighting point3	272.9	1	4.72	6	1	non-mag	150	6	0.623	272.3	0.2%
lighting point4	272.3	1	3.62	6	1	non-mag	125	6	0.398	271.9	0.1%
lighting point5	271.9	1	2.5	10	1	non-mag	56	10	0.308	271.6	0.1%
lighting point6	271.6	1	1.78	10	1	non-mag	108	10	0.423	271.2	0.2%
lighting point7	271.2	1	1.42	10	1	non-mag	45	10	0.141	271.1	0.1%
lighting point8	271.1	1	1.06	10	1	non-mag	114	10	0.266	270.8	0.1%
lighting point9	270.8	1	0.7	10	1	non-mag	85	10	0.131	270.7	0.0%
Total Voltage Drop											2.3%

Question#2: Asphalt Paving Section on Sheet C-501 calls out for 2” lift on SP-IV per NMDOT 423. Since the quantities are less than 5,000 tons of asphalt, can this specification be changed to NMDOT Section 416: Minor Paving?

Response: The asphalt mix will now be City of Albuquerque Type SP-C per City of Albuquerque Section 116-Apshalt Concrete.

Question #3: I would like to know if there will be any core samples done, or any geo technical surveying, for this project? Will the entire project need to be fenced or just a portion for equipment and storage?

Response: There has been no geotechnical investigations for the project. Per the temporary controls specification the entire construction site must have temporary fence and per the construction documents there will be final fencing as shown on the plans.