

## VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal       Final Proposal      Date 6-14-13

Contract ID 130125-F01      Job No. J6I2412/J6I2412B

County St Charles      Route I-70      Original Contract Amount 12,409,196.96

Contractor Reinhold Electric      By Kris Schmittgens

Designed By Kris Schmittgens      Phone 314-574-9998

VECP# 13-40 (to be completed by C.O.)      VECP  or PDVECP

**1. Description of existing requirements and proposed change(s). Advantages/Disadvantages**  
Current plans call for High Mast light pole Z on the North East corner near the new ramp to be relocated about 10 ft from its current location. We propose to leave the High Mast Light in its existing place since there is adequate distance between the Pole and the new Ramp. This will save all costs associated with this pole. The only disadvantage would be it may require a small block retaining wall at the light location to keep the grade estimated cost for this wall would be \$ 8,900.00 if required.

**2. Estimate of reduction in construction costs.**      \$ 20,265.00 not including the retaining wall amount

**3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**  
Not Applicable

**4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.**

\_\_\_\_\_  
(date)

**5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.**

\_\_\_\_\_ (date)      \_\_\_\_\_ (effect)

**6. Dates of any previous or concurrent submission of the same proposal.**

\_\_\_\_\_  
Not Applicable  
(date and/or dates)

**Additional Comments:**

**\*\* Portion Below This Line To Be Filled Out by MoDOT \*\***

**Comments:**

After reviewing the plans and cross sections, I recommend the approval of this PDVECP. The existing location of the high mast light tower is only 10' from the proposed location and will not affect the lighting pattern of the intersection.

\_\_\_\_\_  
Submitted By Resident Engineer

7/9/2013  
\_\_\_\_\_  
Date

**Comments:**

**Approval Recommended** \_\_\_\_\_  
 **Rejection Recommended** \_\_\_\_\_  
District Engineer Date

**Comments:**

Approved subject to the existing light fixture meeting all interchange illumination requirements, and conformance with safety clear zone requirements if left in it's current location.

**Approval Recommended** \_\_\_\_\_  
 **Rejection Recommended** \_\_\_\_\_  
Federal Highway Administration Date  
**Required for FHWA Full Oversight Projects**

**Comments:**

**Approval** \_\_\_\_\_  
 **Rejection** \_\_\_\_\_  
State Construction and Materials Engineer Date



Mid Rivers Mall High Mast Light Pole “Z” Value Engineering

We propose to leave High Mast Light pole Z in place since there is adequate distance between its current location and the off ramp

Items related to this item are:

Line	Description	Quan	Unit	Unit Price	Extended
1350	Drilled Shafts	16.1	LF	460	7,406.00
1360	Rock Sockets	5.4	LF	460	2,484.00
1370	Reinforcing Steel	1950	LB	2.5	4,875.00
1380	Relocated Pole	1	EA	4,400.00	4,400.00
	Misc. Supplementary Camera				
1500	Inspection	1	EA	1,100.00	1,100.00

Total \$ 20,265.00

Value Engineering Amount to MoDot: \$10,132.50

Amount To Reinhold Electric: \$10,132.50

We propose to provide and install a 1sq ft block retaining wall 3 ft high by 50 ft long to raise the grade around the pole (If required)

- (1) 3 ft x 50 ft 1sq ft block retaining wall with cap
- Backfilled and graded, seeded and strawed
  - Lump Sum not to exceed= \$ 8,900.00