

| POWER SUPPLY |         |        |                       |         |                              |                     |                         |          |                                     |              |                  |                 |
|--------------|---------|--------|-----------------------|---------|------------------------------|---------------------|-------------------------|----------|-------------------------------------|--------------|------------------|-----------------|
| LOCATION     |         |        | POWER SUPPLY ASSEMBLY |         | CIRCUIT BREAKER TRIP RATING* |                     |                         |          | LIGHTING CONTROL* (ON POWER SUPPLY) |              | SERVICE POLE     |                 |
| APPROACH     | STATION | OFFSET | DRAWING 902.15        | DRAWING | CONTROLLER                   |                     | POWER SUPPLY DISCONNECT |          | 120 VOLT CONTROL CABINET            | MAIN BREAKER | CONTRACT FURNISH | UTILITY COMPANY |
|              |         |        |                       |         | AUXILIARY BREAKER            | CONT & SIGNAL LAMPS | MAIN BREAKER SIGNALS    | LIGHTING |                                     |              |                  |                 |
| HWY K        | U.I.P.  | U.I.P. | Type                  | U.I.P.  | U.I.P.                       | Amps                | Amps                    | Amps     | Amps                                | Amps         | Cl.              | Ft.             |
|              |         |        | Type                  |         |                              | Amps                | Amps                    | Amps     | Amps                                |              | Cl.              | Ft.             |

| CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT |         |        |                             |     |          |     |                |    |                          |       |           |             |             |                     |   |    |                    |     |                |        |        |        |  |
|---|---------|--------|-----------------------------|-----|----------|-----|----------------|----|--------------------------|-------|-----------|-------------|-------------|---------------------|---|----|--------------------|-----|----------------|--------|--------|--------|--|
| LOCATION                                    |         |        | SYSTEM MASTER (CLOSED LOOP) |     | ACTUATED |     | ON-OFF* SWITCH |    | COORDINATION INTERFACE * |       |           |             | TIME* CLOCK | NEMA CABINET TYPE * |   |    | 170 CABINET TYPE * |     | 170 SOFTWARE * |        |        |        |  |
| APPROACH                                    | STATION | OFFSET | NEMA                        | 170 | NEMA     | 170 | I              | II | 12C/7C HARDWARE (1)      |       | TIME BASE | CLOSED LOOP |             | FIBER               | E | EV | DOUBLE             | 332 | 336S           | BITRAN | WAPITI |        |  |
|   |         |        |                             |     |          |     |                |    | MASTER                   | LOCAL |           | NEMA        | 170         |                     |   |    |                    |     |                |        |        | U.I.P. |  |
| HIGHWAY K                                   | U.I.P.  | U.I.P. |                             |     | U.I.P.   |     |                |    |                          |       |           |             |             |                     |   |    |                    |     |                |        |        |        |  |

| DETECTOR SCHEDULE |                      |                |                    |               |            |        |
|-------------------|----------------------|----------------|--------------------|---------------|------------|--------|
| DETECTOR NUMBER   | APPROACH             | TYPE           |                    |               |            | VIDEO  |
|                   |                      | PUSH BUTTON(3) | INDUCTION LOOP (2) |               |            |        |
|                   |                      |                | STANDARD           | DELAY/EXTEND* | CALL UNIT* |        |
| VIDEO DETECTION   |                      |                |                    |               |            | U.I.P. |
| 23                | HWY K                | 1              |                    |               |            |        |
| 24                | HWY K                | 1              |                    |               |            |        |
| 63                | HWY K                | U.I.P.         |                    |               |            |        |
| 64                | HWY K                | U.I.P.         |                    |               |            |        |
| 34                | FALLON/ROYAL SPRINGS | U.I.P.         |                    |               |            |        |
| 35                | FALLON/ROYAL SPRINGS | 1              |                    |               |            |        |
| TOTAL             |                      | 3              |                    |               |            |        |

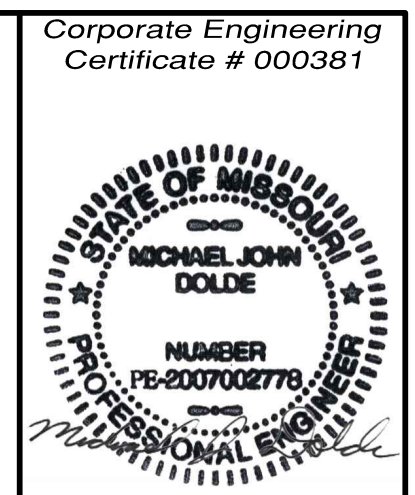
\* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

- (1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS.
- (2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.
- (3) THE PEDESTRIAN PUSHBUTTONS SHALL BE POLARA BULLDOG MODEL BDSP-010-B (ADA COMPLIANT), AND SHALL BE MOUNTED 42" ABOVE THE PEDESTRIAN PATH.
- (4) ALL WIRING, PROGRAMMING AND CABINET MODIFICATIONS NECESSARY TO IMPLEMENT THE NEW VEHICLE PHASING WILL BE CONSIDERED INCIDENTAL TO THIS PROJECT.
- (5) REMOVE ALL EXISTING FYA WIRING AND PROGRAMMING FOR OLB AND OLD.

| NEMA DETECTOR ASSIGNMENT |   |                          |   |   |   |   |   |   |  |
|--------------------------|---|--------------------------|---|---|---|---|---|---|--|
| CARD POSITION            |   |                          |   |   |   |   |   |   |  |
|                          | 1 | 2                        | 3 | 4 | 5 | 6 | 7 | 8 |  |
| CHANNEL                  | 1 |                          |   |   |   |   |   |   |  |
|                          | 2 | VIDEO DETECTION (U.I.P.) |   |   |   |   |   |   |  |

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = \_\_\_\_\_ (2)

| NEMA LOAD SWITCH ASSIGNMENTS |              |                   |               |                |              |            |        |                          |            |                          |     |
|------------------------------|--------------|-------------------|---------------|----------------|--------------|------------|--------|--------------------------|------------|--------------------------|-----|
| 1                            | 2            | 3                 | 4             | 5              | 6            | 7          | 8      | 9                        | 10         | 11                       | 12  |
| SBL FYA U.I.P.               | ø2 NB U.I.P. | ø3 WBL + THRU (5) | ø4 EBL + THRU | NBL FYA U.I.P. | ø6 SB U.I.P. | ø7 N/U (5) | ø8 N/U | 2P E. SIDE ø1 SBL U.I.P. | 3P N. SIDE | 6P W. SIDE ø5 NBL U.I.P. | N/U |



|               |       |          |           |
|---------------|-------|----------|-----------|
| DATE PREPARED |       | 7/18/16  |           |
| ROUTE         | STATE | DISTRICT | SHEET NO. |
| 6             | MO    | 6        | TS4       |
| COUNTY        |       |          |           |
| ST. CHARLES   |       |          |           |
| JOB NO.       |       |          |           |
| TS6-14-14     |       |          |           |
| CONTRACT ID.  |       |          |           |
| PROJECT NO.   |       |          |           |
| BRIDGE NO.    |       |          |           |

| DATE    | DESCRIPTION   |
|---------|---------------|
| 3/23/16 | 1st SUBMITTAL |
| 5/16/16 | 2nd SUBMITTAL |
| 5/20/16 | 3rd SUBMITTAL |
| 7/18/16 | 4th SUBMITTAL |

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D-37C - POWER SUPPLY/  
 CONTROLLER  
 HWY K AND FALLON PKWY/  
 ROYAL SPRINGS PKWY

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.