

O'FALLON WALK
TRAFFIC SIGNAL PLAN

| 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 | | CONTRACT FURNISH | UTILITY COMPANY |
| | | | | | AUXILIARY BREAKER | CONT. & SIGNAL LAMPS | MAIN BREAKER | SIGNALS | LIGHTING | MAIN BREAKER | | |
| RELOCATED FEISE ROAD | 13+75 | 48' LT | Type II | 902.15H | 15 Amps | Amps | 50 Amps | Amps | Amps | Amps | Cl. Ft. | Cuivre River |

| CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|--------|-----------------------------|-----|----------|-----|-----------------------|-----|-----|------|----------------|-----------------------------|-------|-----------|--------------------------|-----|-----------------------|------------------|--------------|------|--------------------|--------|----------------|---|---------------------------|
| LOCATION | | | SYSTEM MASTER (CLOSED LOOP) | | ACTUATED | | SOLID STATE PRE-TIMED | | | | ON-OFF* SWITCH | | | | COORDINATION INTERFACE * | | | | TONE UNIT * | | 170 CABINET TYPE * | | 170 SOFTWARE * | | VIDEO DETECTION HARDWARE* |
| APPROACH | STATION | OFFSET | NEMA | 170 | NEMA | 170 | TYPE | | | TYPE | | 12C/7C HARDWIRE OR TONE (1) | | TIME BASE | CLOSED LOOP | | TRANS-MITTER (MASTER) | RECEIVER (LOCAL) | TIME * CLOCK | 332A | 336S | BITRAN | WAPITI | | |
| | | | | | | | S-M | S-S | S-N | I | II | MASTER | LOCAL | | NEMA | 170 | | | | | | | | | |
| RELOCATED FEISE ROAD | 13+74 | 29' LT | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1x1 | - | - | - | - | - | - | - | - | 1 (3) |

| DETECTOR SCHEDULE | | | | | | |
|-------------------|--------------------------|-------------|--------------------|----------------|-------------|-----------------------|
| DETECTOR NUMBER | APPROACH | TYPE | | | | |
| | | PUSH BUTTON | INDUCTION LOOP (2) | | | VIDEO DETECTOR ZONE * |
| | | | STANDARD | DELAY/EXTEND * | CALL UNIT * | |
| 61 | NB LOT ENTRANCE | | | | | 1 |
| 41 | EB RELOCATED FEISE ROAD | | | | | 1 |
| 70 | EBL RELOCATED FEISE ROAD | | | | | 1 |
| 81 | WB RELOCATED FEISE ROAD | | | | | 1 |
| 30 | WBL RELOCATED FEISE ROAD | | | | | 1 |
| 21 | SB FEISE ROAD | | | | | 1 |
| 90 | | | | | | 1 |
| 91 | | | | | | 1 |
| TOTAL | | 2 | | | | 6 |

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

- (1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE OR TONE INTERCONNECT.
- (2) IF 2-CHANNEL DETECTORS ARE USED, PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.
- (3) VIDEO DETECTION SYSTEM SHALL MEET MoDOT SPECIFICATIONS. ALL MATERIALS AND INSTALLATION OF THE COMPLETE VIDEO DETECTION SYSTEM SHALL BE CONSIDERED SUBSIDIARY TO BID ITEM "VIDEO DETECTION SYSTEM".
- (4) VIDEO DETECTION INPUT INTO CONTROLLER SHALL BE VIA TS/2 PORT.

| VIDEO DETECTOR CAMERAS (3)* | | |
|-----------------------------|----------|--------------|
| CAMERA | LOCATION | PHASE CALLED |
| V-1 | POLE 1 | Ø6 |
| V-2 | POLE 2 | Ø4 Ø7 |
| V-3 | POLE 3 | Ø3 Ø8 |
| V-4 | POLE 4 | Ø2 |

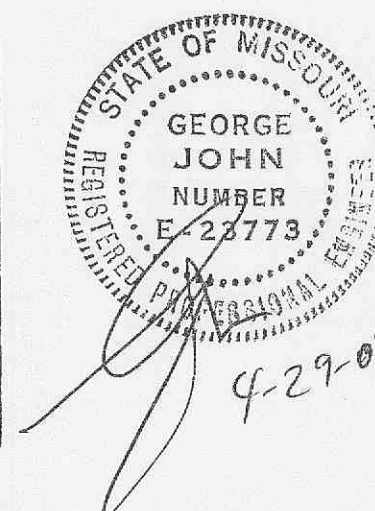
TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = 4

| 170 OUTPUT FILE ASSIGNMENTS | | | | | | |
|-----------------------------|--|--|--|--|--|---------|
| FR1 | | | | | | MONITOR |
| FR2 | | | | | | |
| FR3 | | | | | | |
| FR4 | | | | | | |

| 170 INPUT FILE ASSIGNMENTS | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|
| CHANNEL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| "I" | U | | | | | | | | | | | | | |
| "I" | L | | | | | | | | | | | | | |
| "J" | U | | | | | | | | | | | | | |
| "J" | L | | | | | | | | | | | | | |

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

| 170 AUXILIARY OUTPUT FILE | | | | | | |
|---------------------------|--|--|--|--|--|---|
| FR5 | | | | | | X |
| FR6 | | | | | | |



RELOCATED FEISE ROAD & FEISE ROAD
INTERSECTION

D-37C

| NEMA DETECTOR ASSIGNMENT | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|---|
| CARD POSITION | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| CHANNEL 1 | | | | | | | | |
| CHANNEL 2 | | | | | | | | |

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

| NEMA LOAD SWITCH ASSIGNMENTS | | | | | | | | | | | |
|------------------------------|----|----|----|-----|----|----|----|-----|--------|--------|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| N/A | Ø2 | Ø3 | Ø4 | N/A | Ø6 | Ø7 | Ø8 | N/A | Ø4 PED | Ø6 PED | N/A |