| SPAN     | WIRE     | POLES                  |
|----------|----------|------------------------|
| POST     | WOOD     | STEEL                  |
| NUMBER   | CLASS IV | (A10 BASE<br>REQUIRED) |
|          |          |                        |
|          |          |                        |
|          |          |                        |
|          |          |                        |
|          |          |                        |
| SUBTOTAL |          |                        |
| TOTAL    |          |                        |

|                | SPAN WIRE CABLE SPANS |             |  |   |  |  |  |  |  |  |  |  |  |  |  |
|----------------|-----------------------|-------------|--|---|--|--|--|--|--|--|--|--|--|--|--|
| SPAN<br>NUMBER | FROM<br>POST          | TO<br>POST  | SINGLE MESSENGER<br>ASSEMBLY<br>(LIN. FT.) | MESSENGER ASSEMBLY<br>WITH TETHER<br>(LIN, FT.) |  |  |  |  |  |  |  |  |  |  |  |
|                |                       |             |  |   |  |  |  |  |  |  |  |  |  |  |  |
|                |                       |             |  |   |  |  |  |  |  |  |  |  |  |  |  |
|                |                       |             |  |   |  |  |  |  |  |  |  |  |  |  |  |
|                |                       |             |  |   |  |  |  |  |  |  |  |  |  |  |  |
|                | SU                    | L<br>BTOTAL |  |   |  |  |  |  |  |  |  |  |  |  |  |
|                |                       | TOTAL       |  |   |  |  |  |  |  |  |  |  |  |  |  |

| ROUTE   | STATE<br>MO | DISTRICT | SHEET NO. |   | DATED. |
|---------|-------------|----------|-----------|---|--------|
| JOB NO. |             |          |           | "THIS MEDIA SHOULD<br>NOT BE CONSIDERED | AND    |
| CONTRAC | T ID.       |          |           | A CERTIFIED<br>DOCUMENT."               | N FD   |
| PROJECT | NO.         |          |           |   | YSFAI  |
| COUNTY  |             |          |           | DATE                                    | CAL    |

|                    | LOCATION BASE |              |            |                |          |                 |       |       | PULL   | BOY      |               |                         |  |                  |       |                |    |          |         | POST               |       |            |     |              |       |      |               |                |  |                        |                   |                        |
|--------------------|---------------|--------------|------------|----------------|----------|-----------------|-------|-------|--|----------|---------------|-------------------------|--|------------------|-------|----------------|----|----------|---------|--------------------|-------|------------|-----|--------------|-------|------|---------------|----------------|--|------------------------|-------------------|------------------------|
| 3ER                | LOCA          | TION         |            | U              | *        | PREFORMED CONC. |       |       | тс   | .D       |               | TYPE C & CL TYPE B & BL |  |                  |       |                |    |          |         |                    |       |            |     | SIGN         | 3     |      |               |                |  |                        |                   |                        |
| NUMBER<br>IX NUMBE |               |              |            | А              | l B C    | * ~             | PREFU | KWED  | <del>                                     </del> | DRA      | IN MOL        | NT -                    |  | TPE C            | & CL  | -              |    |          |         |                    | 1 11  | -F B &     | BL  |              |       |      | LUMIN<br>BRAC | NAIRE          | <u>≻</u> MUTCD                               |                        |                   | TOTAL<br>AREA          |
| N XOX              | APPROACH      | STATION      | OFFSET -   |                |          | ETE<br>DS.      | - 0   | 20 20 | 1 1  | I. ITYPE | *             |                         |  | SIGNAL           |       | SIGN           |    |          |         | LEFT               | ARM E |            |     | RIGHT        | ARM K | IDED | ⊔ ARI         | M <del>X</del> | MUTCD<br>SIGN<br>NUMBER                      | SIZE<br>(INCHES)       | AREA<br>(SQ. FT.) | AREA<br>EACH SIGN      |
| POST<br>LL E       | ALLINOACH     | STATION      | OIT JET    | 8 1013 M M M M |          | NCR             | ASS   | ASS   |  | ب ا شا   | $\rightarrow$ | _ '                     | ARM LENGTH                                       | SIGNAL<br>SPACIN | G S   | SIGN<br>PACING | ^  | ARM LENC | , 14    | SIGNAL<br>SPACING  | S]    | GN<br>CING | SIC | GNAL<br>CING | SI    | GN C | TT            |                | on'  |                        |                   | EACH SIGN<br>(SQ. FT.) |
|                    |               |              |            | 8 1 01 3 M M M | 8 1 01 3 | 0.01            | 리  리  | 리     | ST/  |          | 1             | <u></u>                 |  | _   _   _        | _ / _ | -   -   - /    |    |          | _       | SPACING            | SPA   | LING       |     |              |       |      |               |                | R10-10L<br>R10-10R                           | 24 X 30<br>24 X 30     | 5.0<br>5.0        |                        |
| <del> </del>       |               | CONTROLLER ( | (AS REQ'D) |                | ++++     |                 |       |       |  | A A      | 3 C ∞         | 5 4                     | A   A   A   A                                    | BCD              | D'B   | C D D,         | E  | KEK      | EK      | F G H H            | ' F G | H H        | L M | N N'         | LM    | N N' | 4 9 8         | 15   15        | R3-5L  | 30 X 36                | 7.5               |                        |
|                    |               | CONTROLLER   | (AS REG D) |                |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               | +++            | R3-5R<br>R3-5S                               | 30 X 36<br>30 X 36     | 7.5<br>7.5        |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               |                | R3-6L  | 30 X 36                | 7.5               |                        |
|                    |               |              |            |                |          | -               |       |       |  |          |               |                         |  |                  |       |                |    |          |         | <del>       </del> |       |            |     |              |       |      |               |                | R3-6R<br>R3-2                                | 30 X 36<br>24 X 24     | 7.5               |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               |                | R3-1   | 24 X 24                | 4.0               |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               | -                       |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               | +++            | R3-3<br>R10-11                               | 24 X 24<br>24 X 30     | 4.0<br>5.0        |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               |                | R10-12                                       | 24 X 30                | 5.0               |                        |
|                    |               |              |            | +              |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               |                | D3-16 <del>***</del><br>D3-18 <del>***</del> | VAR. X 16<br>VAR. X 18 |                   |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               |                | R10-3B                                       | 9 X 12                 | 0.75              |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               |                | R10-3C                                       | 9 X 6                  | 0.38              |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               | +                       |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               | +++            | R10-11A<br>R9-9                              | 24 X 30<br>84 X 30     | 5.0<br>17.5       |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               |                | R9-9A  | 24 X 30                | 5.0               |                        |
|                    |               |              |            |                |          | -               |       |       |  |          |               | -                       |  |                  |       |                |    |          |         | +                  |       |            |     |              |       |      |               | +              |  |                        |                   |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               |                |  |                        |                   |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               | -              |  |                        | <b></b>           |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               |                | SUBTOTAL AREA                                | ITEM NO. 901           | 1-50.66           |                        |
|                    |               |              |            |                |          |                 |       |       |  |          |               |                         |  |                  |       |                |    |          | $\perp$ |                    |       |            |     |              |       |      |               |                | TOTAL AREA IT                                |                        |                   |                        |
|                    |               |              |            | SLIB           | TOTAL    |                 |       |       |  |          | $\forall H$   |                         | <del>                                     </del> |                  |       |                | ╁┼ |          |         |                    | ***   |            |     |              |       | XXXX |               |                | TOTAL AREA IT                                | 303 3.                 |                   | 1                      |
|                    |               |              |            |                | TOTAL    |                 |       |       |  |          |               |                         |  |                  |       |                |    |          |         |                    |       |            |     |              |       |      |               |                |  |                        |                   |                        |

|         |  |     |           |     |       |          |  |                  |         |      |       |     |        |             |          |                |       | SI        | GN/      | ٩L   | HE         | ΑD | S        |                 |          |         |     |             |     |         |    |    |          |          |     |           |   |     |      |     |   |     |         |           |     | ı |
|---------|--|-----|-----------|-----|-------|----------|--|------------------|---------|------|-------|-----|--------|-------------|----------|----------------|-------|-----------|----------|------|------------|----|----------|-----------------|----------|---------|-----|-------------|-----|---------|----|----|----------|----------|-----|-----------|---|-----|------|-----|---|-----|---------|-----------|-----|---|
| ~       | m  | n   | RE<br>IUM |     | ]     | INDIC    | CATIO                                  | SNC              | *       |      |       | VIS | SORS * | *           |          | В              | ACKF  | LATI      | E *      | BRA  | CKET       | *  | ONE-FACE |                 |          |         |     |             |     |         |    |    | TWO-FACE |          |     |           |   |     |      |     |   |     |         |           |     |   |
| ABE!    | NUMBER NU |     |           |     | NS.   |          |  | 12"              | 2" LENS |      | 12"   |     | LOI    | JVER        | !S *     | -              | LE    | NSES      |          | Ι,   | YPE        |    |          |                 |          | S       | ECT | ION         | l   |         |    |    |          |          |     |           |   | SEC | TION | ٧S  |   |     |         |           |     |   |
| II S II | <u>-</u> <u> </u>  | ₽.  | UMI       |     |       |          |  | OPTICAL LIMITING |         |      |       |     | 5 1251 | A B C D E F |          |                |       | 1 2 3 4 5 |          |      | 5 1 11 111 |    |          | 1-<br>T S C B T |          |         | 3-  | 4-<br>B T S |     |         | 5- |    | -        | 1-       | _   | 33-       | _ | 34  |      | 35  |   | 44- | _       | 45-       |     |   |
|         |  |     | 7 +       | RYG | SL    | R+ YL YR | ** [ * * * * * * * * * * * * * * * * * | RY               | GS      | L R1 | YL YF | R+  |        | A B         | C        | ) E            | F ′   | 2         | 3 4      | 4 5  | I          | ΙΙ | III      | TS              | СВ       | T       | S C | В           | TIS | C       | ВТ | S  | СВ       | T        | S B | 1         | S | В   | 5    | S B | S | В   | S       | В         | S B | 1 |
|         |  |     |           |     |       |          |  |                  |         |      |       |     |        |             |          |                |       |           |          |      |            |    |          |                 |          |         |     |             | +   |         |    |    |          |          |     |           |   |     |      |     |   |     |         |           |     |   |
|         |  |     |           |     |       |          |  |                  |         |      |       |     |        |             |          | $\blacksquare$ |       |           |          |      |            |    |          |                 |          |         |     |             | 1   |         |    |    |          |          |     |           |   |     |      |     |   |     |         |           |     | ı |
|         |  |     |           |     |       |          |  |                  |         | ++-  |       |     |        | +           | $\vdash$ | +              | +     |           |          | +    |            |    | $\dashv$ |                 | -        | +       |     | $\vdash$    | +   | +       | +  | +  | +        | $\vdash$ | _   | +         |   | +   | +    | +   | + |     | +       | $\vdash$  |     | ı |
|         |  |     |           |     |       |          |  |                  |         |      |       |     |        |             |          |                |       |           |          |      |            |    |          |                 |          | П       |     |             |     |         |    |    |          |          |     |           |   |     |      |     |   |     |         |           |     |   |
|         |  |     |           |     |       |          |  |                  |         |      |       |     |        |             |          | +              |       |           |          |      |            |    | _        |                 |          |         |     |             | _   |         | _  |    | -        | $\vdash$ |     | +         |   |     |      | -   |   |     |         |           |     | ı |
|         |  |     |           |     |       |          |  |                  |         | +    |       |     |        |             | $\vdash$ | +              |       |           | _        | +    |            |    | _        |                 | $\vdash$ | +       |     | $\vdash$    | +   | +       | +  | +  | +        | $\vdash$ | _   | +         |   | +   |      | +   | _ |     | +       | $\vdash$  |     | ı |
|         |  |     |           |     |       |          |  |                  |         |      |       |     |        |             |          | П              |       |           |          |      |            |    |          |                 |          |         |     |             | 1   |         | 1  |    | 1        | П        |     | П         |   |     |      |     |   |     |         |           |     | ı |
| -       |  |     |           |     |       |          |  |                  |         |      |       |     |        | +           |          | +              |       |           |          |      |            |    |          |                 |          | +       |     |             |     | +       |    | +  |          | H        |     |           |   | +   |      | +   |   |     |         |           |     |   |
|         |  |     |           |     |       |          |  |                  |         |      |       |     |        |             |          | $\top$         |       |           |          |      |            |    |          |                 |          |         |     | П           |     |         |    |    |          | H        |     |           |   |     |      |     |   | Ħ   |         |           |     |   |
|         |  |     |           |     |       |          |  |                  |         |      |       |     |        |             |          | $\perp$        |       |           |          |      |            |    |          |                 |          | $\perp$ |     | Н           | _   | $\perp$ |    |    |          |          |     |           |   |     |      |     |   |     |         | Н         |     |   |
| -       |  |     |           |     |       |          |  |                  |         |      |       |     |        |             |          | +              |       |           |          |      |            |    |          |                 |          | ++      |     |             |     | +       |    | +  | -        | H        |     |           |   |     |      | +   |   |     |         |           |     | ı |
|         |  |     |           |     |       |          |  |                  |         |      |       |     |        |             |          |                |       |           |          |      |            |    |          |                 |          |         |     |             |     |         |    |    |          |          |     |           |   |     |      |     |   |     |         |           |     | ı |
|         |  |     |           |     |       |          |  |                  |         | -    |       |     |        | -           | $\vdash$ | +              | _     |           |          |      |            |    | _        | +               |          | ++      |     | $\vdash$    | +   | +       | +  | +  | +        | Н        |     | +         | _ | +   |      | +   | + | Н   | $\perp$ | Н         |     |   |
|         |  |     |           |     |       |          |  |                  |         | ++-  |       |     |        | +           | $\vdash$ | +              | +     |           |          | +    |            |    | $\dashv$ | +               | -        | ++      |     | $\vdash$    | +   | +       | +  | +  | +        | $\vdash$ |     | +         | + |     | +    | -   | + | +   | +       | +         |     |   |
| SU      | вто:   | TAL |           |     |       |          |  |                  |         |      |       | '   | SUBT   | OTAL        | - 0      | PTI            | CA    | LY        | LΙ       | міт  | ED         |    |          |                 |          |         |     |             |     |         |    |    |          | П        |     | П         |   |     |      |     |   |     |         |           |     |   |
|         | TU.  | TAL |           |     |       |          |  |                  |         |      |       |     | SUBT   |             |          |                |       |           |          |      |            |    |          |                 |          |         |     |             |     |         |    |    |          |          |     |           |   |     |      |     |   |     |         |           |     |   |
|         |  |     |           |     |       |          |  |                  |         |      |       |     | SUB1   |             |          |                |       |           |          | ΠI   | <b>R</b> . |    | 11/      |                 |          | +       |     | H           | +   | +       | +  |    | +        | H        |     | Н         |   |     |      |     | + | H   |         | $\forall$ |     |   |
|         |  |     |           |     |       |          |  |                  |         |      | TOTA  |     |        |             |          |                |       |           |          | 001  | * *        | +  |          |                 |          | H       |     | +           | +   |         | +  | H  |          | +        |     | +         |   |     | +    | H   |   |     |         | 1         |     |   |
|         |  |     |           |     |       |          |  |                  |         |      |       |     | TOTA   |             |          |                |       |           | *111     |      |            |    |          |                 |          | +       |     | +           | +   | +       | +  | +  | +        | $\vdash$ |     | $\forall$ |   | +   |      | +   | + | +   | +       | $\vdash$  |     | ı |
|         |  |     |           |     |       |          |  |                  |         |      |       |     |        |             |          |                |       |           | <u> </u> | 8 C  | · ON       | \/ |          | -               | $\vdash$ | +       |     | $\vdash$    | +   | +       | +  | ++ | +        | $\vdash$ | +   | +         |   | +   |      | +   | + | +   | +       | $\vdash$  |     |   |
| 1       |  |     |           |     | TOTAL |          |  |                  |         |      |       |     |        |             |          |                | 4 1 1 | UIN       | UL       | دي ل | ZUN        | V  |          |                 |          |         |     |             |     |         |    |    |          |          |     |           |   |     |      |     |   |     |         |           |     |   |

## REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

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

EFFECTIVE: 04-01-2008

- \*\* SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.
- \*\*\* USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA. ALL OF THE SPECIFIED DESIGN CRITERIA.

## LEGEND

- T TOP MOUNT
  S SIDE MOUNT
  C SPANWIRE MOUNT
  B MAST ARM MOUNT

d:\pwise\_local\:

INTERSECTION