

PROJ. NO. (BC)96-87 K-044-1(28) PTS I & II

[illegible]

|                           |                              | NUMBER OF ACRYLIC PLASTIC BUTTON REFLECTORS REQUIRED PER LETTER OR DIGIT OF SUPPORT FRAME |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---------------------------|------------------------------|-------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| MODIFIED<br>SERIES<br>"E" | LETTER<br>& NUMBER<br>HEIGHT | REFLECTOR<br>DIAMETER                                                                     | A  | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L  | M  | N  | O  | P  | Q  | R  | S  | T  | U  | V  | W  | X  | Y  | Z  | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
|                           | 24"                          | 1 - 5/8"                                                                                  | 23 | 34 | 20 | 27 | 25 | 19 | 24 | 26 | 10 | 15 | 25 | 15 | 35 | 29 | 26 | 23 | 28 | 30 | 24 | 16 | 23 | 19 | 35 | 21 | 17 | 26 | 26 | 10 | 25 | 23 | 27 | 25 | 27 | 18 | 31 | 27 |
|                           | 20"                          | 1 - 5/8"                                                                                  | 23 | 31 | 17 | 25 | 22 | 17 | 20 | 23 | 9  | 13 | 22 | 13 | 31 | 27 | 22 | 21 | 24 | 26 | 20 | 14 | 21 | 19 | 33 | 21 | 16 | 23 | 22 | 9  | 22 | 17 | 25 | 21 | 20 | 14 | 26 | 20 |
|                           | 18"                          | 1 - 5/8"                                                                                  | 18 | 25 | 15 | 21 | 19 | 15 | 18 | 20 | 8  | 11 | 18 | 12 | 25 | 22 | 20 | 19 | 22 | 21 | 18 | 12 | 18 | 15 | 27 | 17 | 12 | 18 | 20 | 8  | 19 | 16 | 19 | 18 | 19 | 13 | 23 | 19 |
|                           | 16"                          | 1 - 1/4"                                                                                  | 20 | 30 | 17 | 23 | 22 | 17 | 20 | 23 | 9  | 13 | 21 | 13 | 31 | 25 | 22 | 20 | 24 | 25 | 20 | 14 | 20 | 17 | 31 | 21 | 15 | 22 | 22 | 9  | 21 | 19 | 22 | 23 | 23 | 15 | 27 | 23 |
|                           | 15"                          | 1 - 5/8"                                                                                  | 15 | 21 | 13 | 18 | 17 | 13 | 15 | 17 | 7  | 10 | 16 | 11 | 21 | 19 | 16 | 16 | 18 | 18 | 15 | 11 | 15 | 13 | 21 | 13 | 11 | 16 | 16 | 7  | 15 | 14 | 17 | 16 | 16 | 11 | 19 | 16 |
|                           | 13.33"                       | 1 - 1/4"                                                                                  | 18 | 24 | 14 | 19 | 18 | 14 | 17 | 17 | 7  | 10 | 17 | 10 | 23 | 20 | 18 | 16 | 20 | 20 | 16 | 11 | 16 | 15 | 25 | 17 | 12 | 19 | 18 | 7  | 16 | 14 | 15 | 15 | 16 | 12 | 20 | 16 |
|                           | 12"                          | 1 - 1/4"                                                                                  | 16 | 21 | 13 | 18 | 15 | 12 | 15 | 17 | 7  | 10 | 16 | 10 | 21 | 19 | 16 | 16 | 18 | 18 | 15 | 10 | 15 | 13 | 21 | 13 | 11 | 16 | 16 | 7  | 14 | 14 | 17 | 16 | 16 | 11 | 19 | 16 |
|                           | 10.67"                       | 7/8"                                                                                      | 18 | 24 | 15 | 19 | 19 | 15 | 18 | 20 | 8  | 11 | 19 | 12 | 25 | 22 | 20 | 18 | 22 | 22 | 18 | 12 | 18 | 15 | 26 | 17 | 14 | 17 | 20 | 8  | 20 | 18 | 20 | 21 | 21 | 13 | 25 | 21 |
|                           | 10"                          | 1 - 1/4"                                                                                  | 13 | 17 | 10 | 14 | 14 | 11 | 13 | 14 | 6  | 8  | 14 | 9  | 17 | 16 | 14 | 13 | 16 | 16 | 12 | 9  | 13 | 11 | 17 | 13 | 9  | 13 | 14 | 6  | 13 | 11 | 13 | 14 | 12 | 9  | 15 | 12 |
| 8"                        | 5/8"                         | 18                                                                                        | 25 | 14 | 20 | 20 | 14 | 17 | 20 | 8  | 11 | 18 | 12 | 27 | 22 | 18 | 17 | 20 | 22 | 17 | 12 | 18 | 15 | 27 | 17 | 12 | 19 | 18 | 9  | 19 | 17 | 20 | 19 | 19 | 13 | 23 | 19 |    |
| 6"                        | 1/2"                         | 15                                                                                        | 23 | 12 | 18 | 17 | 13 | 16 | 17 | 7  | 9  | 17 | 11 | 23 | 19 | 15 | 16 | 17 | 19 | 16 | 11 | 16 | 13 | 23 | 15 | 11 | 16 | 15 | 7  | 16 | 14 | 16 | 18 | 16 | 11 | 20 | 16 |    |

| LETTER<br>HEIGHT | REFLECTOR<br>DIAMETER | a  | b  | c  | d  | e  | f  | g  | h  | i | j  | k  | l  | m  | n  | o  | p  | q  | r  | s  | t  | u  | v  | w  | x  | y  | z  |
|------------------|-----------------------|----|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 18"              | 1- 5/8"               | 23 | 24 | 15 | 24 | 21 | 15 | 27 | 21 | 9 | 13 | 20 | 10 | 29 | 19 | 20 | 24 | 24 | 12 | 20 | 15 | 19 | 15 | 27 | 17 | 21 | 19 |
| 15"              | 1- 5/8"               | 18 | 21 | 13 | 21 | 18 | 12 | 24 | 18 | 7 | 12 | 19 | 9  | 25 | 16 | 16 | 21 | 21 | 9  | 17 | 12 | 16 | 13 | 23 | 15 | 18 | 17 |
| 12"              | 1- 1/4"               | 20 | 20 | 13 | 20 | 17 | 13 | 23 | 18 | 8 | 12 | 20 | 9  | 25 | 16 | 16 | 20 | 20 | 10 | 16 | 12 | 16 | 13 | 23 | 15 | 19 | 18 |
| 10"              | 1- 1/4"               | 16 | 17 | 11 | 17 | 16 | 11 | 20 | 16 | 7 | 10 | 16 | 8  | 22 | 14 | 14 | 17 | 17 | 8  | 14 | 11 | 14 | 11 | 19 | 13 | 15 | 15 |
| 8"               | 7/8"                  | 16 | 17 | 11 | 17 | 15 | 11 | 19 | 16 | 7 | 10 | 16 | 8  | 22 | 14 | 14 | 17 | 17 | 8  | 14 | 11 | 14 | 11 | 19 | 13 | 15 | 15 |
| 6"               | 5/8"                  | 16 | 17 | 11 | 16 | 15 | 11 | 18 | 16 | 7 | 10 | 16 | 8  | 22 | 14 | 14 | 16 | 17 | 8  | 14 | 11 | 14 | 11 | 19 | 13 | 16 | 15 |
| 4 1/2"           | 1/2"                  | 14 | 14 | 10 | 14 | 13 | 10 | 16 | 14 | 6 | 9  | 12 | 6  | 19 | 12 | 12 | 14 | 14 | 7  | 11 | 9  | 12 | 9  | 15 | 11 | 12 | 12 |

NOTES:

NOTES: Tables are provided to indicate the number of acrylic plastic button reflectors required for a single cutout letter or number. Letters and numbers shall be .040" thick sheet aluminum as shown in the table of fasteners for removable cutout legend button support frames.

[illegible]

|    |      |           |  |          |
|----|------|-----------|--|----------|
| 3  |      |           |  |          |
| 2  |      |           |  |          |
| 1  |      |           |  |          |
| NO | DATE | REVISIONS |  | BY APP'D |

KANSAS DEPARTMENT OF TRANSPORTATION  
 ACRYLIC PLASTIC BUTTON  
 REFLECTORS FOR REMOVABLE  
 CUTOUT LEGEND SUPPORT FRAMES

|                                  |           |                           |          |
|----------------------------------|-----------|---------------------------|----------|
| SHEET NO <u>85</u> OF <u>143</u> | SCALE     | APP'D <i>John F. Lynn</i> |          |
| DESIGNED                         | DETAILED  | QUANTITIES                | TRACED   |
| DESIGN CK                        | DETAIL CK | QUAN CK                   | TRACE CK |