

**PROJECT INFORMATION**

|                    |                        |
|--------------------|------------------------|
| PROJECT/PID:       | 115153                 |
| INTERSECTION NAME: | S River St at W 6th St |
| STUDY DATE:        | 5/21/2024              |

| SUPPORT NO. | ARM  |  | FT     | FT | FT     | IN | FT     | DEGREE | SIGNAL HEADS CENTERED ON WHICH COLOR? | SIGNAL NO. | SIGNAL HEAD TYPE<br>(12 IN. SECTIONS WITH BACKPLATES) | FT  | FT | FT     | FT    | FT    | FT   | FT   | FT   | FT | FT  | FT   | FT  | FT | FT | FT | FT |
|-------------|--|--|--------|----|--------|----|--------|--------|---------------------------------------|------------|---|-----|----|--------|-------|-------|------|------|------|----|-----|------|-----|----|----|----|----|
|             | MIN CLEARANCE FROM PAVEMENT TO BOTTOM OF SIGNAL HEAD | MAX CLEARANCE FROM PAVEMENT TO BOTTOM OF SIGNAL HEAD |        |    |        |    |        |        |                                       |            |   |     |    |        |       |       |      |      |      |    |     |      |     |    |    |    |    |
| SP-1 B      | 17   | 19   | 680.62 | 0  | 680.62 | 0  | 680.62 | 0      | YELLOW                                | 8A         | 4 SECTIONS  | 3.4 | 23 | 681.09 | 20.87 | 22.87 | 20.9 | 21.6 | 21.5 | NO | 1.5 | 23   | N/A |    |    |    |    |
|             |  |  |        |    |        |    |        |        |                                       | 8B         | 3 SECTIONS  | 2.3 | 14 | 680.92 | 19.60 | 21.60 |      |      |      |    |     |      |     |    |    |    |    |
|             |  |  |        |    |        |    |        |        |                                       | -          | -   | -   | -  | -      | -     | -     |      |      |      |    |     |      |     |    |    |    |    |
| SP-1 A      | 17   | 19   | 680.62 | 0  | 680.62 | 0  | 680.62 | 0      | YELLOW                                | 6A         | 3 SECTIONS  | 2.3 | 42 | 680.65 | 19.33 | 21.33 | 19.7 | 21.3 | 20   | NO | 1.5 | 21.5 | N/A |    |    |    |    |
|             |  |  |        |    |        |    |        |        |                                       | 6B         | 3 SECTIONS  | 2.3 | 30 | 681.02 | 19.70 | 21.70 |      |      |      |    |     |      |     |    |    |    |    |
|             |  |  |        |    |        |    |        |        |                                       | -          | -   | -   | -  | -      | -     | -     |      |      |      |    |     |      |     |    |    |    |    |
| SP-2 A      | 17   | 19   | 681.18 | 0  | 681.18 | 0  | 681.18 | 0      | YELLOW                                | 2B         | 3 SECTIONS  | 2.3 | 22 | 681.30 | 19.42 | 21.42 | 19.4 | 20.6 | 20.5 | NO | 1.5 | 22   | N/A |    |    |    |    |
|             |  |  |        |    |        |    |        |        |                                       | 2A         | 3 SECTIONS  | 2.3 | 9  | 680.52 | 18.64 | 20.64 |      |      |      |    |     |      |     |    |    |    |    |
|             |  |  |        |    |        |    |        |        |                                       | -          | -   | -   | -  | -      | -     | -     |      |      |      |    |     |      |     |    |    |    |    |
| -           | -  | -  | -      | -  | -      | -  | -      | -      | YELLOW                                | -          | -   | -   | -  | -      | -     | -     | -    | -    | -    | -  | -   | -    | -   | -  | -  | -  | -  |

^ With typical extension, 5' is calculated, as per SCD TC-85.22.  
 Note: Final Pole Height will be noted in the plans on Mast Arm Design Table

| SUPPORT NO. | ARM | NUMBER OF LUMINAIRES OR BRACKET ARMS | LUMINAIRE/ BRACKET ARM LENGTH | SIGNAL OR SIGN? | SIGNAL/ SIGN NO. | ATTACHMENT DISTANCE FROM SUPPORT POLE |    | SIGNAL HEAD TYPE (12 IN. LENS) | SIGN SIZE |         | AREA | ATTACHMENT LENGTH * AREA | L                     | DAMPER REQUIRED?<br><br>(Incidental to Support item; CM&S 632 and SCD TC-81.22) | K                         | DESIGN NO. |   |
|-------------|-----|--------------------------------------|-------------------------------|-----------------|------------------|---------------------------------------|----|--------------------------------|-----------|---------|------|--------------------------|-----------------------|---|---------------------------|------------|---|
|             |     |                                      |                               |                 |                  | NO.                                   | FT |                                | IN        | SQ. FT. |      |                          | TOTAL MAST ARM LENGTH |   | AREA MOMENT DESIGN FACTOR |            |   |
|             |     |                                      | FT                            |                 |                  | FT                                    | FT |                                | FT        | FT      | FT   |                          |                       |   |                           |            |   |
| SP-1        | B   | 0                                    | -                             | SIGN            | S2               | S1                                    | 7  | -                              | 74        | 18      | 9.3  | 64.8                     | 32                    | NO  | 593.85                    | 2          |   |
|             |     |                                      |                               | SIGNAL          | 8A               | L1                                    | 14 | 4 SECTIONS                     | -         | -       | 11.0 | 154.0                    |                       |   |                           |            |   |
|             |     |                                      |                               | SIGNAL          | 8B               | L2                                    | 23 | 3 SECTIONS                     | -         | -       | 8.7  | 200.1                    |                       |   |                           |            |   |
|             |     |                                      |                               | SIGN            | S4               | S2                                    | 28 | -                              | 30        | 30      | 6.3  | 175.0                    |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L5               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L6               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L7               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L8               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
| SP-1        | A   | 0                                    | -                             | SIGN            | S2               | S1                                    | 15 | -                              | 72        | 18      | 9.0  | 135.0                    | 45                    | NO  | 761.4                     | 12         |   |
|             |     |                                      |                               | SIGNAL          | 6B               | L1                                    | 30 | 3 SECTIONS                     | -         | -       | 8.7  | 261.0                    |                       |   |                           |            |   |
|             |     |                                      |                               | SIGNAL          | 6A               | L2                                    | 42 | 3 SECTIONS                     | -         | -       | 8.7  | 365.4                    |                       |   |                           |            |   |
|             |     |                                      |                               | -               | -                | L4                                    | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            | - |
|             |     |                                      | -                             | -               | L5               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L6               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L7               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L8               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
| SP-2        | A   | 0                                    | -                             | SIGNAL          | 2B               | L1                                    | 22 | 3 SECTIONS                     | -         | -       | 8.7  | 191.4                    | 25                    | NO  | 339.7                     | 2          |   |
|             |     |                                      |                               | SIGN            | S3               | S1                                    | 14 | -                              | 24        | 30      | 5.0  | 70.0                     |                       |   |                           |            |   |
|             |     |                                      |                               | SIGNAL          | 2A               | L2                                    | 9  | 3 SECTIONS                     | -         | -       | 8.7  | 78.3                     |                       |   |                           |            |   |
|             |     |                                      |                               | -               | -                | L4                                    | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            | - |
|             |     |                                      | -                             | -               | L5               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L6               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L7               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L8               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
| -           | -   | 0                                    | -                             | -               | -                | L1                                    | -  | -                              | -         | -       | -    | -                        | -                     | -   | 0                         | #N/A       |   |
|             |     |                                      |                               | -               | -                | L2                                    | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      |                               | -               | -                | L3                                    | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            | - |
|             |     |                                      |                               | -               | -                | L4                                    | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            | - |
|             |     |                                      | -                             | -               | L5               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L6               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L7               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |
|             |     |                                      | -                             | -               | L8               | -                                     | -  | -                              | -         | -       | -    | -                        |                       |   |                           |            |   |

| SUPPORT NO. | ARM | DESIGN NO. | POLE SIZE REQ. | POLE DESIGNATION |
|-------------|-----|------------|----------------|------------------|
| SP-1        | A   | 12         | C              | TC-12.31 DES 6   |
|             | B   | 2          |                |                  |
| -           | -   | -          | -              | -                |
| -           | -   | -          | -              | -                |
| -           | -   | -          | -              | -                |