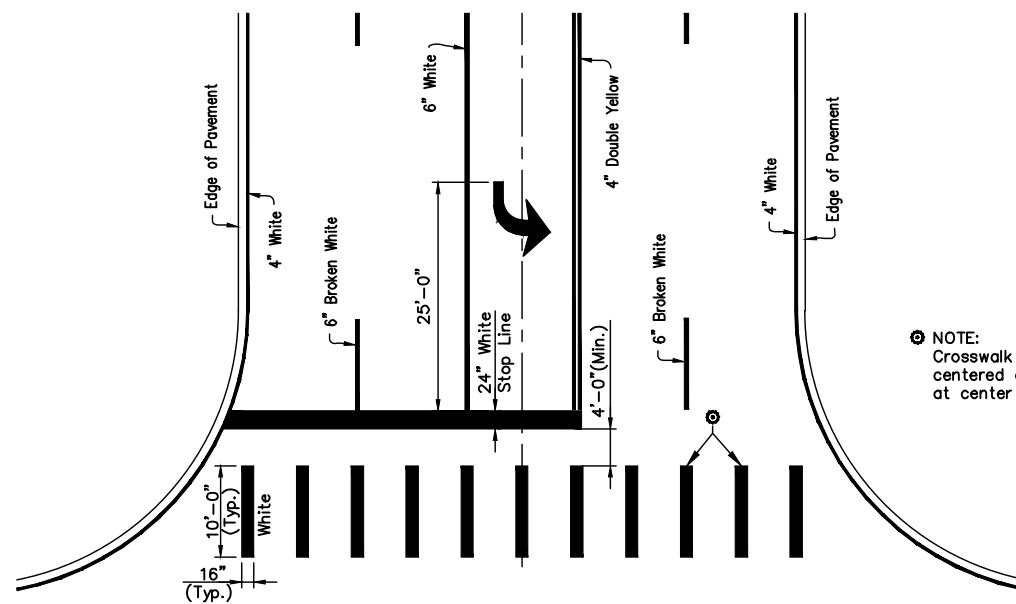
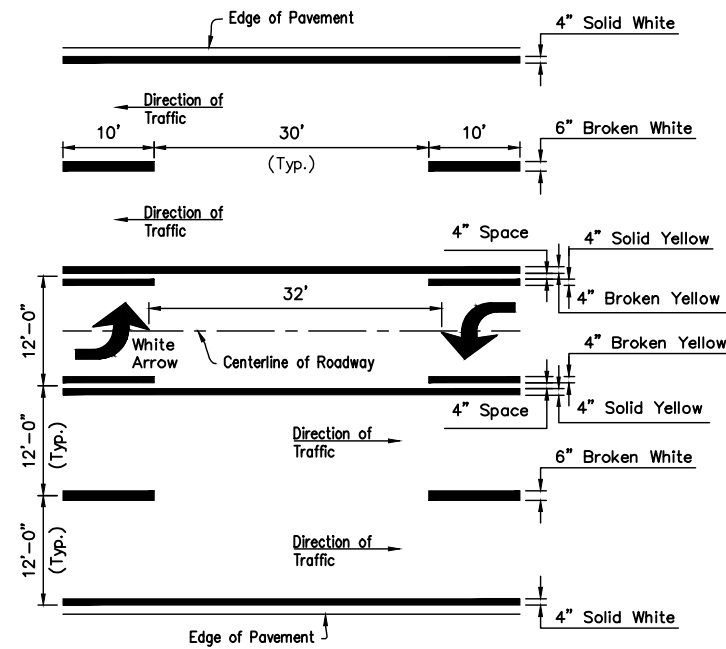


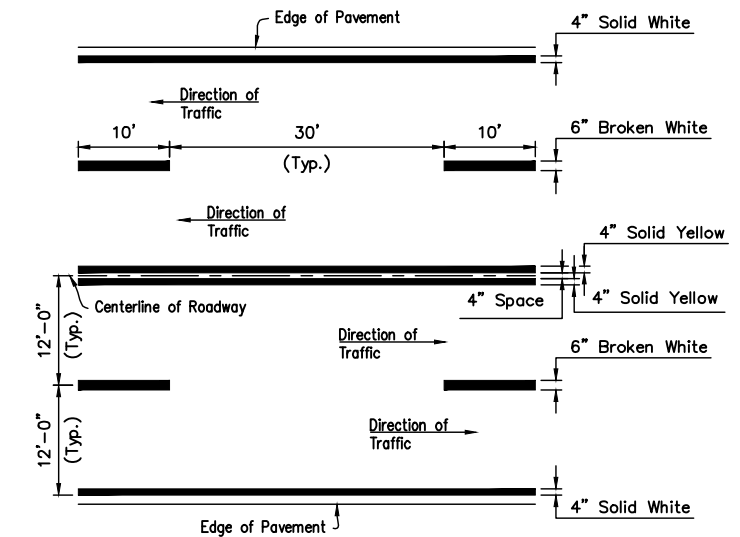
|          |        |                |             |           |              |
|----------|--------|----------------|-------------|-----------|--------------|
| COUNTY   | STATE  | PROJECT NUMBER | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| SEDGWICK | KANSAS | ###            | ###         | ###       | ###          |



**CROSSWALK MARKING PLAN  
MULTI-LANE ROADWAY**



**FIVE-LANE ROADWAY**



**FOUR-LANE ROADWAY**

NOTE: Crosswalk bars shall be centered on lane lines and at center of each lane.

| Approach Speed | X   |
|----------------|-----|
| 20 mph         | 20' |
| 25 mph         | 25' |
| 30 mph         | 30' |
| 35 mph         | 35' |
| 40 mph         | 40' |
| 45 mph         | 45' |
| 50 mph         | 50' |
| 55 mph         | 55' |
| 60 mph         | 60' |
| 65 mph         | 65' |
| 70 mph         | 70' |

| Approach Speed | L    |
|----------------|------|
| 20 mph         | 80'  |
| 25 mph         | 125' |
| 30 mph         | 180' |
| 35 mph         | 245' |
| 40 mph         | 320' |
| 45 mph         | 540' |
| 50 mph         | 600' |
| 55 mph         | 660' |
| 60 mph         | 720' |
| 65 mph         | 780' |
| 70 mph         | 840' |

The approach taper length from point A to point B is to be determined using CHART B. Values for L were calculated using the equations below and increased to the next higher 5 mph increment.

-Speeds < 45 mph  $L = \frac{W \cdot S^2}{60}$

-Speeds ≥ 45 mph  $L = W \cdot S$

☒ If arrows are used and unless otherwise specified the space between lines should be at least four times the height of the characters for low speed roads but not more than ten times the height of the characters, under any conditions.

Δ For speeds less than or equal to 40 mph, R=150'.  
For speeds greater than or equal to 45 mph, R=300'.

| ITEM  | QUANTITY | UNITS    |
|---|----------|----------|
| Pavement Marking (Thermoplastic)(White)(4")(0.090")                                     |          | Lin. Ft. |
| Pavement Marking (Thermoplastic)(White)(6")(0.090")                                     |          | Lin. Ft. |
| Pavement Marking (Thermoplastic)(Yellow)(4")(0.090")                                    |          | Lin. Ft. |
| Pavement Marking (Thermoplastic)(Yellow)(12")(0.125")                                   |          | Lin. Ft. |
| Pavement Marking (Thermoplastic)(White)(24")(0.125")                                    |          | Lin. Ft. |
| Pavement Marking Symbol (Heat-Fused Preformed Thermoplastic)(White)(Left Arrow)(0.125") |          | Each     |
| Pavement Marking (Methyl Methacrylate)(White)(4")(0.080")                               |          | Lin. Ft. |
| Pavement Marking (Methyl Methacrylate)(White)(6")(0.080")                               |          | Lin. Ft. |
| Pavement Marking (Methyl Methacrylate)(Yellow)(4")(0.080")                              |          | Lin. Ft. |
| Pavement Marking (Methyl Methacrylate)(Yellow)(12")(0.125")                             |          | Lin. Ft. |
| Pavement Marking (Methyl Methacrylate)(White)(24")(0.125")                              |          | Lin. Ft. |
| Pavement Marking Symbol (Methyl Methacrylate)(White)(Left Arrow)(0.125")                |          | Each     |

NOTE : Pavement markings to be thermoplastic material unless specified otherwise.

|          |   |         |
|----------|---|---------|
| 4/30/09  | Added Left Turn Taper Detail                | JRW/MRB |
| 2/16/06  | Revised Bill of Materials/Removed SI Option | DRS/MRB |
| Rev.Date | Description                                 | By /Chk |

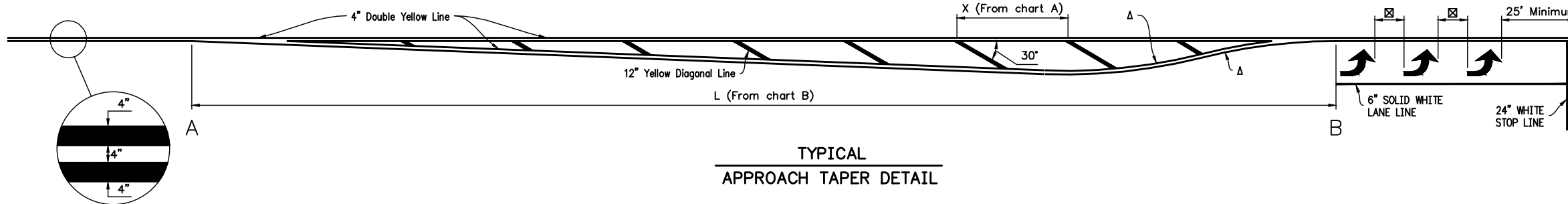
###  
**PAVEMENT MARKING PLAN  
MULTI-LANE ROADWAYS**  
WITHOUT CURB & GUTTER PM 2-0

PREPARED BY  
SEDGWICK COUNTY PUBLIC WORKS  
HIGHWAY DEPARTMENT

DAVID C. SPEARS, P.E. DIRECTOR/COUNTY ENGINEER

|       |          |        |         |           |
|-------|----------|--------|---------|-----------|
| SCALE | DESIGNED | DRAWN  | CHECKED | SHEET NO. |
| NONE  | M.R.B.   | D.R.S. | M.R.B.  | ###       |
| DATE  | 4/2005   | 4/2005 | 4/2005  |           |

DWG: PM2-0



**TYPICAL  
APPROACH TAPER DETAIL**