STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



| SPLICER ASSEMBLIES |                                 |  |  |  |  |  |  |  |
|--------------------|---------------------------------|--|--|--|--|--|--|--|
| or<br>ength        | Strength Requirements           |  |  |  |  |  |  |  |
|                    | Min. Capacity<br>kips - tension | Min. Pull-Out Strength<br>kips – tension |  |  |  |  |  |  |
|                    | 14,7                            | 7.9                                      |  |  |  |  |  |  |
|                    | 23.0                            | 12.3                                     |  |  |  |  |  |  |
|                    | 33.1                            | 17.4                                     |  |  |  |  |  |  |
|                    | 45.1                            | 23.8                                     |  |  |  |  |  |  |
|                    | 58.9                            | 31.3                                     |  |  |  |  |  |  |
|                    | 75.0                            | 39.6                                     |  |  |  |  |  |  |
|                    | 95.0                            | 50.3                                     |  |  |  |  |  |  |
|                    | 117.4                           | 61.8                                     |  |  |  |  |  |  |

| No. Assemblies<br>Required | Location                 |  |  |
|----------------------------|--------------------------|--|--|
| 100                        | .Top of Approach Slabs   |  |  |
| 184                        | Bottom of Approach Slabs |  |  |
| 160                        | Approach Slab Footings   |  |  |
| 16                         | Abutment Backwalls       |  |  |
|                            |                          |  |  |

## BAR SPLICER ASSEMBLY DETAILS STRUCTURE NO. 049-0131

| 0, S18 | F.A.U.<br>RTE.                               | .U. SECTION |  |  | COUNTY   | TOTAL<br>SHEETS | SHEET<br>NO. |
|--------|--|-------------|--|--|----------|-----------------|--------------|
| 01 010 | 1238   | 125SB-1-R   |  |  | LAKE     | 38              | 31           |
| SHEETS | D-91-045-08                                  |             |  |  | CONTRACT | NO. 60          | D57          |
|        | FED. ROAD DIST. NO ILLINOIS FED. AID PROJECT |             |  |  |          |                 |              |