

| | | | | |
|-----------------------|-------------|-------------|------------------|-----------|
| P.A. RTZ | SECTION | EXPRESSWAYS | TOTAL SHEETS | SHEET NO. |
| 13 | 0606-627 VB | SOUTHWEST | | 354 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT | |

| GIRDER | SPAN LENGTH C/C BEARING | | | | FIELD SPLICES | | | TOP & BOTTOM FLANGE PLATES CUT-OFF | | | | | | | | | | WEB PLATE SPLICES (SHOP & FIELD SPLICES) | | | | | | | | |
|--------|-------------------------|--------------|---------------|--------------|---------------|--------------------|--------------|------------------------------------|-------|-------|-------------|-------------|-------|-------|-----------|---------|----------|--|----------|----------|------------|-------|-------------|-------|--------------|------------|
| | L1 | L2 | L3 | L-L1+L2+L3 | FS 1 | FS 2 | FS 3 | FP 1 | FP 2 | FP 3 | FP 4 | FP 5 | FP 6 | FP 7 | FP 8 | FP 9 ** | FP 10 ** | FP 11 ** | FP 12 ** | FP 13 ** | W 1 | W 2 | W 3 | W 4 | W 5 | |
| A | 83'-2 3/8 | 108'-6 1/16 | 125'-4 13/16 | 317'-1 1/4 | 108'-9 1/16 | 110'-6 1/8 | 98'-10 1/16 | 58'-8 3/8 | 15'-0 | 20'-0 | 15'-0 11/16 | 58'-5 3/8 | 11'-0 | 26'-0 | 16'-0 3/4 | 9'-0 | 12'-0 | 47'-4 1/16 | 12'-0 | 18'-6 | 49'-9 1/16 | 59'-0 | 51'-6 1/8 | 59'-0 | 39'-10 1/16 | |
| B | 83'-1 1/8 | 108'-4 7/16 | 123'-11 15/16 | 315'-5 1/2 | 108'-7 7/16 | 110'-4 1/2 | 97'-5 9/16 | 58'-7 1/8 | do | do | 15'-0 5/16 | 58'-4 1/8 | do | do | 16'-0 3/8 | do | do | 45'-11 9/16 | do | do | 49'-7 7/16 | do | 51'-4 1/2 | do | 39'-5 9/16 | |
| C | 83'-0 | 108'-3 | 122'-7 3/16 | 313'-10 3/16 | 108'-8 | 110'-3 | 96'-1 3/16 | 58'-6 | do | do | 15'-0 | 58'-3 | do | do | 16'-0 | do | do | 44'-7 3/16 | do | do | 49'-8 | do | 51'-3 | do | 39'-1 3/16 | |
| D | do | do | 121'-4 11/16 | 312'-7 11/16 | do | do | 94'-10 11/16 | do | do | do | do | do | do | do | do | do | do | 43'-4 11/16 | do | do | 49'-8 | do | 51'-3 | do | 39'-1 3/16 | |
| E | do | do | 120'-2 1/8 | 311'-5 1/8 | do | do | 93'-8 1/8 | do | do | do | do | do | do | do | do | do | do | 42'-2 1/8 | do | do | do | do | do | do | 35'-10 11/16 | |
| F | do | do | 118'-11 9/16 | 310'-2 9/16 | do | do | 92'-5 9/16 | do | do | do | do | do | do | do | do | do | do | 40'-11 9/16 | do | do | do | do | do | do | 34'-8 1/8 | |
| G | do | do | 117'-9 | 309'-0 | do | do | 91'-3 | do | do | do | do | do | do | do | do | do | do | 39'-9 | do | do | do | do | do | do | 33'-5 9/16 | |
| H | 83'-0 | 108'-3 | 116'-6 7/16 | 307'-9 7/16 | 108'-6 | 110'-3 | 90'-0 7/16 | 58'-6 | 15'-0 | 20'-0 | 15'-0 | 58'-3 | 11'-0 | 26'-0 | 16'-0 | 9'-0 | 12'-0 | 38'-8 7/16 | 12'-0 | 18'-6 | 49'-6 | 59'-0 | 51'-3 | 59'-0 | 31'-0 7/16 | |
| I | 83'-0 | 108'-3 | 110'-8 9/16 | 301'-11 9/16 | 108'-8 | 108'-3 | 88'-2 9/16 | 58'-6 | 15'-0 | 20'-0 | 15'-0 | 62'-3 | 10'-0 | 20'-0 | 16'-0 | 19'-0 | - | 45'-2 9/16 | - | 22'-0 | 49'-6 | 59'-0 | 51'-3 | 59'-0 | 31'-0 7/16 | |
| J | do | do | 109'-5 | 300'-8 | do | do | 84'-11 | do | do | do | do | do | do | do | do | do | do | 43'-11 | - | do | do | do | do | do | 27'-2 9/16 | |
| K | do | do | 108'-1 1/2 | 299'-4 1/2 | do | do | 83'-7 1/2 | do | do | do | do | do | do | do | do | do | do | 42'-7 1/2 | - | do | do | do | do | do | do | 25'-11 |
| L | do | do | 108'-10 | 298'-1 | do | do | 82'-4 | do | do | do | do | do | do | do | do | do | do | 41'-4 | - | do | do | do | do | do | do | 24'-7 1/2 |
| M | do | do | 105'-6 7/16 | 296'-9 7/16 | do | do | 81'-0 7/16 | do | do | do | do | do | do | do | do | do | do | 40'-7 7/16 | - | do | do | do | do | do | do | 23'-4 |
| N | 83'-0 | 108'-3 | 104'-2 15/16 | 295'-5 15/16 | 108'-6 | 108'-3 | 79'-8 15/16 | 58'-6 | do | do | 15'-0 | 62'-3 | 10'-0 | do | do | do | do | 38'-8 15/16 | - | do | do | do | do | do | do | 22'-0 7/16 |
| O | 83'-2 3/8 | 108'-5 1/2 * | 102'-9 7/8 * | 294'-5 3/4 * | 108'-9 1/16 | 83'-4 13/16 +40'-0 | 83'-3 7/8 | 58'-8 3/8 | 15'-0 | 20'-0 | 16'-0 11/16 | 63'-4 13/16 | 9'-0 | 20'-0 | 11'-0 | 24'-0 | - | 37'-3 7/8 | - | 22'-0 | 49'-9 1/16 | 59'-0 | 63'-4 13/16 | 40'-0 | 24'-3 7/8 | |

| GIRDER | INTERMEDIATE STIFFENER SPACINGS AND INTERMEDIATE CROSSFRAME SPACINGS (C/C STIFFENERS) | | | | | | | | | | | | GIRDER | | | | | | | | | | | | | | | | | |
|--------|---|--------------|---------------------|------------|----------------------|-------------|------------------------|-------------|------------------------|-----------|----------------------|-----------|--------|------|---------------------------|--------------|-----------------------|-------------|----------------------|------------|---------------------|------------|-------|-------|-------|-------|------------------------|------------------------|------------------------|-------------|
| | ST 1 | CR 1 | ST 2 | CR 2 | ST 3 | CR 3 | ST 4 | CR 4 | ST 5 | CR 5 | ST 6 | CR 6 | | ST 7 | CR 7 | ST 8 | CR 8 | ST 9 | CR 9 | ST 10 | CR 10 | ST 11 | CR 11 | ST 12 | CR 12 | ST 13 | CR 13 | | | |
| A | 3 0 4'-5 1/4-3 3/8 | 17'-6 3/8 | 4 0 4'-3 1/4-3 5/8 | 21'-3 5/8 | 5 0 3'-5 1/4-3 3/4 | 23'-0 3/4 | 1 0 4'-0 3/8-4 0 3/8 | 19'-0 3/8 | 2 0 4'-1 5/16-3 0 4'-6 | 21'-8 5/8 | 4 0 4'-4 1/4-4 5/8 | 21'-8 5/8 | | | 6 0 3'-9 1/2-9 19/16 | 24'-3 13/16 | 1 0 4'-3 3/8-4 0 3/8 | 19'-3 3/8 | 4 0 4'-6 1/2-5 9/16 | 20'-5 9/16 | 4 0 4'-1 1/4-1 9/16 | 20'-5 9/16 | | | | | 5 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 | | |
| B | 4 0 4'-6 | 18'-0 | 4 0 4'-3 1/4-3 5/16 | 21'-3 5/16 | 5 0 3'-9 1/2-3 9 1/2 | 22'-6 1/2 | 1 0 4'-0-4 0 3/8 | 19'-0 | 2 0 4'-1 1/8-3 0 4'-6 | 21'-8 5/8 | 4 0 4'-4 1/4-4 5/8 | 21'-8 5/8 | | | 5 0 3'-9 1/2-9 1/2 | 23'-0 3/4 | 2 0 4'-1 1/4-1 1/4 | 19'-9 | 4 0 4'-6 1/2-5 1/4 | 20'-5 1/4 | 4 0 4'-1 1/4-1 1/4 | 20'-5 1/4 | | | | | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 | | |
| C | 4 0 3'-9 1/2-3 5/8 | 18'-0 5/8 | 5 0 4'-3 | 21'-3 | 5 0 3'-9 1/2-3 3/8 | 22'-0 3/8 | 2 0 7'-5 13/16-4 0 3/8 | 19'-11 5/8 | 1 0 3'-8 4-4 0 3/8 | 21'-8 | 4 0 4'-4 1/4-4 5/8 | 21'-8 | | | 5 0 3'-9 1/2-9 1/2 | 23'-3 3/8 | 1 0 4'-3 3/8-4 0 3/8 | 20'-2 5/8 | 3 0 4'-6 1/2-3 5/16 | 20'-5 | 5 0 4'-1 | 20'-5 | | | | | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 | | |
| D | 4 0 3'-9 1/2-3 5/16 | 18'-0 5/16 | do | do | 5 0 3'-9 1/2-3 11/16 | 21'-2 11/16 | 1 0 2'-0 5/16-5 0 3/8 | 20'-9 5/16 | 1 0 2'-11 5/8-3 0 3/8 | do | do | do | | | 5 0 3'-9 1/2-9 1/2 | 22'-5 11/16 | 3 0 4'-6 1/2-3 5/16 | 21'-0 5/16 | 3 0 4'-6 1/2-3 5/16 | 20'-5 | 5 0 4'-1 | 20'-5 | | | | | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 | | |
| E | 4 0 4'-0-1 0 4'-1 | 20'-1 | do | do | 4 0 3'-9 1/2-3 1/2 | 20'-5 | 1 0 2'-0 5/16-5 0 3/8 | 21'-7 | 4 0 4'-6 1/2-4 0 3/8 | do | do | do | | | 5 0 3'-9 1/2-9 1/2 | 21'-8 | 1 0 4'-6 1/2-3 5/16 | 21'-10 | 2 0 3'-5 1/2-3 5/16 | do | do | do | do | do | do | do | do | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 | |
| F | 4 0 4'-3 1/4-3 1/4 | 20'-10 11/16 | do | do | 4 0 3'-9 1/2-3 11/16 | 19'-7 5/16 | 1 0 2'-0 5/16-5 0 3/8 | 22'-4 11/16 | do | do | do | do | | | 5 0 3'-9 1/2-9 1/2 | 20'-10 11/16 | 1 0 4'-6 1/2-3 5/16 | 21'-10 | 2 0 3'-5 1/2-3 5/16 | do | do | do | do | do | do | do | do | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 | |
| G | 4 0 4'-0-1 0 3'-8 5/16 | 21'-8 5/16 | do | do | 5 0 3'-9 1/2-3 11/16 | 18'-9 11/16 | 1 0 2'-0 5/16-5 0 3/8 | 22'-4 11/16 | do | do | do | do | | | 5 0 3'-9 1/2-9 1/2 | 20'-10 11/16 | 1 0 4'-6 1/2-3 5/16 | 22'-7 11/16 | 2 0 3'-5 1/2-3 5/16 | do | do | do | do | do | do | do | do | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 | |
| H | 5 0 4'-6 | 22'-6 | 5 0 4'-3 | 21'-3 | 4 0 3'-9 1/2-3 1/2 | 18'-0 | 2 0 4'-6 1/2-4 0 3/8 | 24'-0 | 4 0 4'-6 1/2-4 0 3/8 | 21'-8 | 5 0 4'-4 | 21'-8 | | | 4 0 3'-7 1/2-2 0 3'-4 1/2 | 19'-3 | 3 0 4'-6 1/2-3 5/16 | 24'-3 | 3 0 4'-6 1/2-3 5/16 | 20'-5 | 5 0 4'-1 | 20'-5 | | | | | 2 0 3'-5 1/2-3 5/16 | 24'-3 13/16 | | |
| I | 4 0 4'-6 | 18'-0 | 5 0 4'-3 | 21'-3 | 4 0 3'-9 1/2-3 1/2 | 22'-6 | 1 0 4'-0-4 0 3/8 | 18'-0 | 5 0 4'-6 | 22'-6 | 5 0 4'-6 | 22'-6 | | | 4 0 3'-6 1/2-4 1/2 | 22'-9 | 2 0 2'-7 1/2-4 0 3'-6 | 19'-3 | 5 0 4'-6 | 22'-6 | 5 0 4'-6 | 22'-6 | | | | | 5 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 | | |
| J | 4 0 3'-9 1/2-10 5/16 | 18'-10 5/16 | do | do | 5 0 3'-9 1/2-3 11/16 | 21'-7 11/16 | 2 0 2'-5 1/8-4 0 3/8 | 18'-10 5/16 | 5 0 4'-6 | do | do | do | | | 5 0 3'-6 1/2-4 1/2 | 21'-10 11/16 | 1 0 4'-6 1/2-3 5/16 | 20'-1 5/16 | 2 0 3'-3 3/4-4 0 3/8 | do | do | do | do | do | do | do | do | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 | |
| K | 4 0 4'-0-1 0 3'-6 5/8 | 19'-8 5/8 | do | do | 5 0 3'-9 1/2-3 11/16 | 20'-9 3/8 | 2 0 2'-5 1/8-5 0 3/8 | 19'-8 5/8 | 2 0 3'-3 3/4-4 0 3/8 | do | do | do | | | 5 0 3'-6 1/2-4 1/2 | 20'-2 1/2 | 1 0 4'-6 1/2-3 5/16 | 20'-11 5/16 | 2 0 3'-3 3/4-4 0 3/8 | do | do | do | do | do | do | do | do | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 | |
| L | 4 0 4'-3 1/4-3 1/4 | 18'-15 1/16 | do | do | 5 0 3'-9 1/2-3 11/16 | 19'-11 1/16 | 1 0 2'-0 5/16-5 0 3/8 | 20'-6 15/16 | 2 0 3'-3 3/4-4 0 3/8 | do | do | do | | | 5 0 3'-6 1/2-4 1/2 | 20'-2 1/2 | 1 0 4'-6 1/2-3 5/16 | 20'-11 5/16 | 2 0 3'-3 3/4-4 0 3/8 | do | do | do | do | do | do | do | do | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 | |
| M | 4 0 4'-6 1/2-3 5/16 | 21'-5 1/4 | do | do | 5 0 3'-9 1/2-3 11/16 | 19'-0 3/4 | 1 0 2'-0 5/16-5 0 3/8 | 21'-5 1/4 | 5 0 4'-6 | do | do | do | | | 5 0 3'-6 1/2-4 1/2 | 19'-3 3/4 | 2 0 2'-7 1/2-4 0 3'-6 | 22'-8 1/4 | do | do | do | do | do | do | do | do | do | do | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 |
| N | 4 0 4'-6 1/2-3 5/16 | 22'-3 9/16 | do | do | 5 0 3'-9 1/2-3 11/16 | 20'-2 7/16 | 1 0 2'-0 5/16-5 0 3/8 | 22'-3 9/16 | 5 0 4'-6 | 22'-6 | 5 0 4'-6 | 22'-6 | | | 5 0 3'-6 1/2-4 1/2 | 18'-5 7/16 | 1 0 4'-6 1/2-3 5/16 | 23'-6 9/16 | do | do | do | do | do | do | do | do | do | do | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 |
| O | 5 0 4'-0-1 0 3'-3 9/16 | 23'-3 9/16 | 4 0 4'-3 1/4-3 5/8 | 21'-3 5/8 | 5 0 3'-9 1/2-3 11/16 | 17'-39 1/16 | 1 0 2'-0 5/16-5 0 3/8 | 23'-3 9/16 | 4 0 4'-6 1/2-4 0 3/8 | 22'-6 5/8 | 4 0 4'-6 1/2-4 0 3/8 | 22'-6 5/8 | | | 5 0 3'-6 1/2-4 1/2 | 17'-8 5/8 | 5 0 3'-6 1/2-4 0 3/8 | 23'-6 9/16 | do | do | do | do | do | do | do | do | do | do | 4 0 4'-0-1 0 4'-3 3/16 | 24'-3 13/16 |

| GIRDER | SHEAR CONNECTOR SPACING | | | | | | | | | | | | | | | TOP OF WEB PLATE ELEVATIONS AT *** | | | | | | | BLOCKING AT | | | | | | | | | | | GIRDER |
|--------|-------------------------|---------------|-----------------|-----------------|-----------------|-----------|-------------|--------------|-----------------|---------------|---------------|-----------------|-----------------|---------------|------|------------------------------------|-------|-------|-------|-------|-------|-----|-------------|-----------|------------|-----------|------------|------------|-------------|------------|------------|--|--|--------|
| | S 1 | S 2 | S 3 | S 4 | S 5 | S 6 | S 7 | S 8 | S 9 | S 10 | S 11 | S 12 | S 13 | S 14 | S 15 | I | II | III | IV | V | VI | VII | a | b | c | d | e | f | g | h | i | | | |
| A | 6" | 18 0 9'-13'-6 | 12 0 1'-0-12'-0 | 11 0 1'-6-16'-6 | 15 0 1'-0-15'-0 | 25'-8 3/8 | 108'-6 1/16 | 29'-10 13/16 | 13 0 1'-0-13'-0 | 20 1'-3-10'-0 | 20 1'-6-21'-0 | 10 0 1'-3-12'-6 | 15 0 1'-0-15'-0 | 20 0 9'-15'-0 | 6" | 3.829 | 5.042 | 5.391 | 6.394 | 6.864 | 7.431 | - | 0 | 0'-8 3/8 | 1'-2 9/16 | 1'-7 | 2'-2 1/4 | 2'-6 3/4 | 2'-10 5/8 | 3'-8 15/16 | 3'-7 1/4 | | | |
| B | 6" | do | do | do | do | 25'-7 1/8 | 108'-4 7/16 | 29'-11 15/16 | do | do | 19 1'-6-20'-6 | do | do | do | 6" | 3.813 | 5.142 | 5.498 | 6.516 | 6.787 | 7.673 | - | 0 | 0'-8 3/8 | 1'-2 3/4 | 1'-7 1/16 | 2'-2 9/16 | 2'-7 1/4 | 2'-11 9/16 | 3'-8 3/4 | 3'-7 15/16 | | | |
| C | 6" | do | do | do | do | do | do | do | do | do | 18 1'-6-27'-6 | do | do | do | 6" | 3.807 | 5.241 | 5.600 | 6.638 | 6.820 | 7.714 | - | 0 | 0'-8 5/16 | 1'-2 15/16 | 1'-7 3/8 | 2'-2 15/16 | 2'-7 11/16 | 2'-11 11/16 | 3'-7 1/4 | 3'-8 5/8 | | | |
| D | 6" | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |