# PLATE GIRDER

E72900

| | RUN NO. | DATASET NAME, DESCRIPTION, PROJECT, ETC. |
|---|---|---|
| I | 2 3 | 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 |
| H | | |

| A | MOM NO. | ACTUAL MOMENTS K. FT. (ENTER DEC. PT. IF REQD) | | | |
|---|---|---|---|---|---|
| | | DEAD LOAD NON-COMP | DEAD LOAD COMP | LIVE LOAD SIDEWALK | LIVE LOAD TRK/LANE |
| 1 | 2 3 | 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | | | |

| | SEQ NO. | LIVE LOAD CODE NO. | FLAN PLTS TO I/N | N RATIO | | STEEL CODE A36 A572 A588 | PLATE RATIOS | | END OF GIRDER DETAILS | | | FIX BEARING STIFFNR WIDTH IN. | SUPSTR WIND AREA HEIGHT FT. | SER/LOAD FACT | STRESS CYCLES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | LIVE | DEAD | | WEB DEPTH /THICK | FLANGE WIDTH /THICK | BEARING TO END STL FT | BEARING TO END SLAB FT | WEIGHT END DIAPH K | | | | |
| | | (01) | (08) | (09) | (X3) | (A588) | (COMP) | (COMP) | (.333) | (.500) | (L200) | (COMP) | | | |
| I | 2 3 | 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | | |

| E I | BEAM SECTN | CONCRETE SLAB IN. | | | BUILDUP IN. | | DEAD LOADS LB/FT | | | LIVE LOAD | | | | SECTION DESCRIPTION | A OR B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LEFT ACTUAL WIDTH | RIGHT ACTUAL WIDTH | ACTUAL DEPTH | WIDTH | DEPTH | EXTRA NON-COMP | STEEL EXTRAS | COMP PR/WS ETC. | SDWLK LB/FT | WHEEL DISTRIB FACTORS | | | | |
| | | | | | | | | | | | MOM | SHEAR | DEFLC | | |
| 1 | 2 3 | 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 | | | | | | | | | | | | | |

| CODE | LIVE LOAD | CODE | LIVE LOAD |
|---|---|---|---|
| 1 | HS20 | 5 | HS10 |
| 2 | H20 | 6 | H10 |
| 3 | HS15 | 7 | RR |
| 4 | H15 | 8 | NONE |

| CODE | STRESS CYCLES |
|---|---|
| T | $2 \times 10^6$ |
| X | $5 \times 10^5$ |

| CODE | STIFFENERS |
|---|---|
| O | NONE |
| V | VERTICAL |

| | DESIGN NO. | DESIGN SPAN FT. | BEAM SECTN * | WD & NCOM* STF = V | ACTUAL MOM A* | NO. FLANGES | NO. DESIGNS | WEB INCRMT | DIAPH SPACG DIAPH (20) | FIX WEB | | THIN WEB | | FIX TOP FLANGE | | | | FIX BOTTOM FLANGE | | | | FIX END PLTS | | GET MOM & SHRS | | DECIMAL = O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | DEPTH IN. | THICK 1/16 | BY 1/16 | DIST. FROM C/L FT. (SPAN/4) | WIDTH IN. | THICKNESS C/L IN. 1/16 | PLT 2 IN. 1/16 | PLT 3 IN. 1/16 | WIDTH IN. | THICKNESS C/L IN. 1/16 | PLT 2 IN. 1/16 | PLT 3 IN. 1/16 | C/L TO PLT 2 FT. | C/L TO PLT 3 FT. | C/L TO SPECIAL POSITION 1 | C/L TO SPECIAL POSITION 2 | |
| 1 | 2 3 | 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 | | | | | | | | | | | | | | | | | | | | | | | | | |

| *CODE | WD & NCOM (COL 10 CARD) |
|---|---|
| N | NO LATERAL BRACING (STD) |
| A | WITH LATERAL BRACING |
| B | WEB INCRMT |

FEBRUARY 1994