

| COUNTY & HIGHWAY | ROUTE & SECTION | CLASS & AGREEMENT STATE | FEDERAL | B. P. R. DIVISION | PROJECT | SHEET NO. | TOTAL SHEETS |
|------------------|-----------------|-------------------------|---------|-------------------|----------|-----------|--------------|
| 35.6 | 1182.0 | | 11.2 | 4 | 51182(2) | 5 | 13 |

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
 BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
 BEVEL EXPOSED EDGES 1" UNLESS SHOWN OR NOTED OTHERWISE.
 JOINT FILLER SHALL CONFORM TO A.A.S.H.O. DESIGNATION M153, TYPE I.
 AT PAVING NOTCH PROVIDE 3" x 12" PLANK BY WIDTH OF ROADWAY. 3/4" DIAMETER BOLTS WITH THREADED INSERTS LOCATED 5" BELOW ROADWAY SURFACE AND PLACED AT APPROXIMATELY 3'-0" CENTERS SHALL ATTACH PLANK TO CONCRETE. BOLTS AND PLANK SHALL BE REMOVED WHEN PLACING APPROACH SLAB CONCRETE. (NON-BID ITEM)
 TOP AND BOTTOM TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS ON OR ADJACENT TO EACH GIRDER, AND BY INDIVIDUAL BAR CHAIRS AT 3'-0" CENTERS AT APPROXIMATELY THE 1/3 POINTS BETWEEN GIRDERS.
 ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.
 CYLINDRICAL TYPE STEEL PILE SHELLS, IF USED, SHALL HAVE A MINIMUM NOMINAL (AVERAGE) SHELL THICKNESS OF 0.219 INCH AND CONFORM TO THE REQUIREMENT OF A.S.T.M. DESIGNATION A252, GRADE 2. FLUTED PILES, IF USED, SHALL HAVE A MINIMUM SHELL THICKNESS OF NOT LESS THAN #5 GAUGE.
 PILE SPLICES AT PIERS, IF USED, SHALL BE MADE BY A CERTIFIED WELDER.
 THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH MEDIUM RANDOM RIPRAP TO THE EXTENT SHOWN ON THIS SHEET AND IN THE ABUTMENT DETAILS.
 AT ABUTMENTS THE UPPER LIMIT FOR "EXCAVATION FOR STRUCTURES" SHALL BE AS SHOWN ON X36681.
 AT ABUTMENTS ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH GRANULAR BACKFILL. PAYMENT WILL BE MADE ONLY FOR MATERIAL ACTUALLY PLACED WITHIN THE LIMITS FOR "EXCAVATION FOR STRUCTURES".

DESIGN DATA

LIVE LOAD H20
 ALLOWABLE DESIGN STRESSES
 CONCRETE MASONRY, GRADE "AA"..... $f_c = 1,400$ p.s.i.
 BAR STEEL REINFORCEMENT..... $f_s = 20,000$ p.s.i.
 PRESTRESSED GIRDER
 CONCRETE MASONRY..... $f_c = 6,000$ p.s.i.
 STRANDS-1/2" DIA. WITH ULTIMATE TENSILE STRENGTH OF..... 270,000 p.s.i.

FOUNDATION DATA

PLACE ABUTMENTS ON TREATED TIMBER PILING DRIVEN TO 24 TONS/PILE MINIMUM BEARING. ESTIMATED PILE LENGTH 30 FEET.
 PLACE PIER ON 14" DIA. CAST-IN-PLACE CONCRETE PILING DRIVEN TO 50 TONS/PILE MINIMUM BEARING. ESTIMATED PILE LENGTH 40 FEET.

TOTAL ESTIMATED QUANTITIES

| BID ITEM | UNIT | SUPER | S. ABUT. | PIER | N. ABUT. | TOTAL |
|---------------------------------------|------|--------|----------|-------|----------|--------|
| REMOVING OLD BRIDGE STA. 20+74.00 | L.S. | | | | | 1 |
| EXCAVATION FOR STRUCTURES | C.Y. | | 15 | | 35 | 50 |
| GRANULAR BACKFILL | C.Y. | | 10 | | 20 | 30 |
| CONCRETE MASONRY | C.Y. | 134.9 | 31.4 | 10.1 | 31.4 | 207.8 |
| PRESTRESSED GIRDER I TYPE, 36 INCH | L.F. | 433 | | | | 433 |
| BAR STEEL REINFORCEMENT | L.B. | 40,150 | 1,620 | 1,650 | 1,620 | 45,040 |
| BEARING PADS, ELASTOMERIC | S.F. | 20 | | | | 20 |
| TREATED TIMBER TEST PILING | L.S. | | | | | 1 |
| TREATED TIMBER PILING, DELIVERED | L.F. | | 270 | | 270 | 540 |
| TREATED TIMBER PILING, DRIVEN | L.F. | | 270 | | 270 | 540 |
| CAST-IN-PLACE CONCRETE TEST PILING | L.S. | | | | | 1 |
| CAST-IN-PLACE CONC. PILING, DELIVERED | L.F. | | | 200 | | 200 |
| CAST-IN-PLACE CONC. PILING, DRIVEN | L.F. | | | 135 | | 135 |
| TUBULAR RAILING, TYPE "G" | L.F. | 249 | | | | 249 |
| FLOOR DRAINS, TYPE "A" | EA. | 2 | | | | 2 |
| MEDIUM RANDOM RIPRAP | C.Y. | | 100 | | 110 | 210 |
| NON-BID ITEM | | | | | | |
| 1/8" ALUMINUM OR ZINC PLATE FILLER | S.F. | 15 | | | | 15 |
| 3 x 12 HARDWOOD PLANK AND HARDWARE | L.F. | 66 | | | | 66 |

02-45 FOOT PILES REQUIRED. DRIVE ONE AT EACH ABUTMENT.
 001-60 FOOT PILE REQUIRED. DRIVE AT PIER.

LIST OF DRAWINGS

1. GENERAL PLAN _____ X36675
2. SUPERSTRUCTURE _____ X36676
3. 36" PRESTRESSED GIRDER DETAILS _____ X36677
4. FLOOR DRAIN DETAILS _____ X36678
5. DETAILS FOR TYPE "G" TUBULAR ALUMINUM & STEEL RAILING _____ X36679
6. RAIL PARAPET DETAILS _____ X36680
7. PIER AND ABUTMENTS _____ X36681
8. BILL OF BARS _____ X36682
9. SUBSURFACE EXPLORATION _____ X36683

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|---------|---------------------------------------|--------------------------------------|---------------------|--------------|
| REVISED | STATE HIGHWAY COMMISSION OF WISCONSIN | | | |
| | GENERAL PLAN | | | |
| | CO. LINCOLN | TN. BRADLEY | STA. 20+74.00 | |
| | SECTION 16 | TOWN 34N | RANGE 6E | |
| | DESIGN SPEC. AASHO '61 | LOADING H20 | CONCRETE SPEC. 1963 | |
| | DATE 1/12/67 | DESIGN CRD | DRAWN PAGE | CHKD. F.R.W. |
| | RECOMMENDED | W. A. Kline CHIEF BRIDGE ENGINEER | | |
| | APPROVED | H. J. B... STATE HIGHWAY ENGINEER | | |
| | STRUCTURE B-35-18 | | | SHEET 1 OF 9 |

