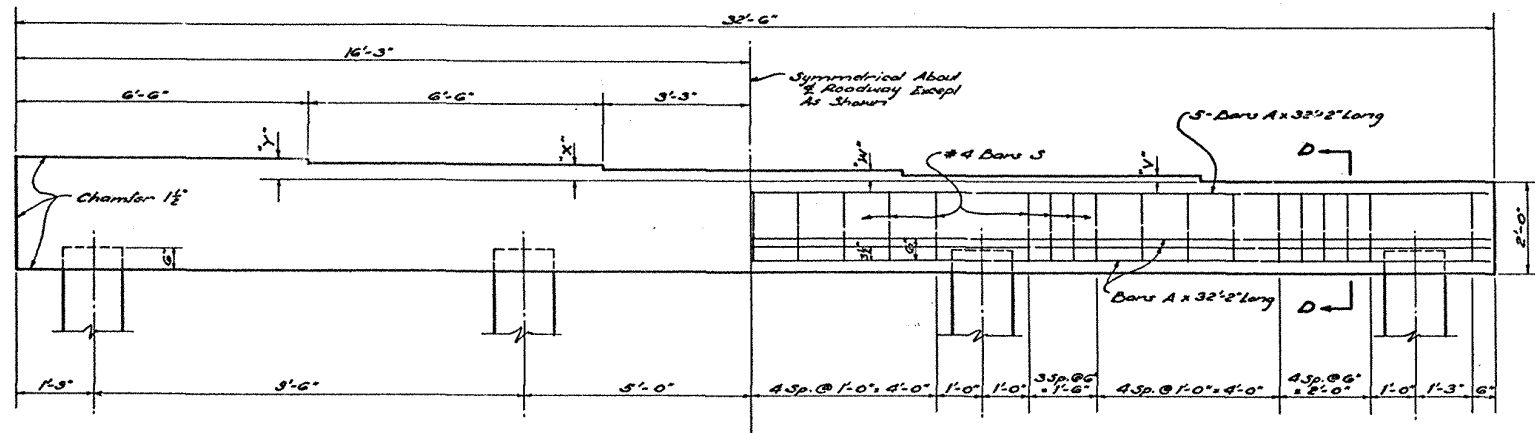
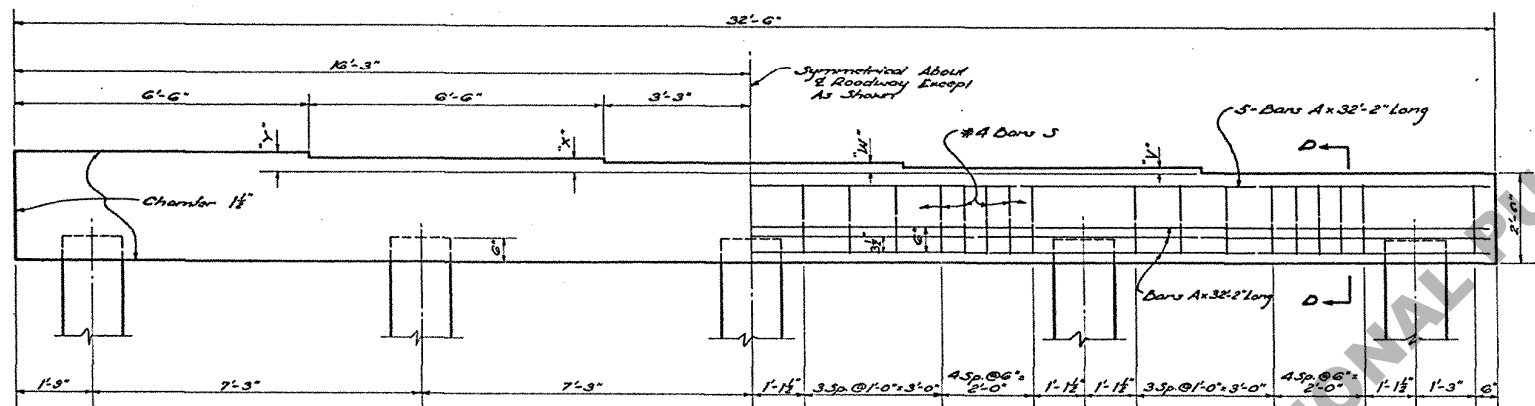
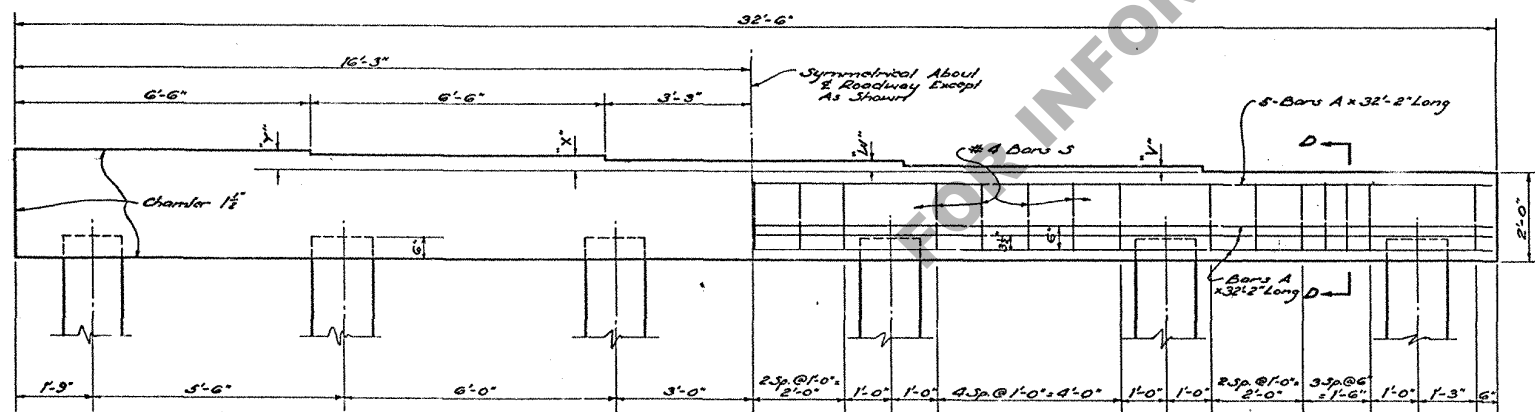




4-PILE BENT



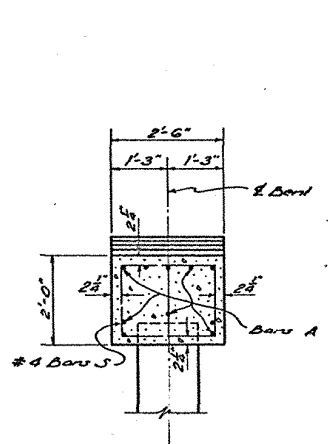
5-PILE BENT



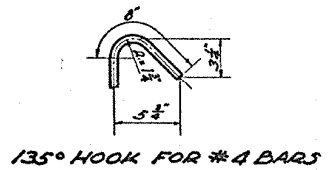
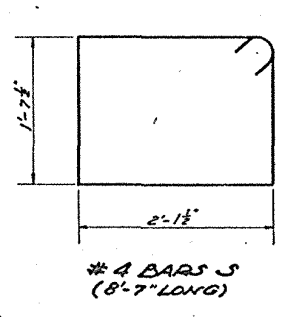
6-PILE BENT

INTERMEDIATE BENTS

| INTERMEDIATE BENT QUANTITIES - DIMENSIONS - PILE LOADS |            |       |       |       |                |                 |                   |               |                |                 |                   |               |                |                 |                   |               |      |
|--------------------------------------------------------|------------|-------|-------|-------|----------------|-----------------|-------------------|---------------|----------------|-----------------|-------------------|---------------|----------------|-----------------|-------------------|---------------|------|
| SPAN                                                   | DIMENSIONS |       |       |       | 4-PILES        |                 |                   |               | 5-PILES        |                 |                   |               | 6-PILES        |                 |                   |               | SPAN |
|                                                        | "V"        | "W"   | "X"   | "Y"   | SIZE OF A BARS | CLASS "A" CONC. | DEF. REINF. STEEL | AV. PILE LOAD | SIZE OF A BARS | CLASS "A" CONC. | DEF. REINF. STEEL | AV. PILE LOAD | SIZE OF A BARS | CLASS "A" CONC. | DEF. REINF. STEEL | AV. PILE LOAD |      |
|                                                        | FT.        | IN.   | IN.   | IN.   |                | CU. YDS.        | LBS.              | TONS          |                | CU. YDS.        | LBS.              | TONS          |                | CU. YDS.        | LBS.              | TONS          | FT.  |
| 20                                                     | 1 1/2      | 2 1/2 | 3 1/2 | 4 1/2 | #3             | 6.53            | 1235              | 24.3          |                |                 |                   |               |                |                 |                   |               | 20   |
| 25                                                     | 1 3/4      | 2 3/4 | 3 3/4 | 4 3/4 | #3             | 6.55            | 1235              | 27.5          |                |                 |                   |               |                |                 |                   |               | 25   |
| 30                                                     | 1 1/2      | 2 1/2 | 3 1/2 | 4 1/2 | #10            | 6.53            | 1585              | 31.0          | #7             | 6.50            | 852               | 24.8          |                |                 |                   |               | 30   |
| 35                                                     | 1 1/2      | 2 1/2 | 3 1/2 | 4 1/2 |                |                 |                   |               | #7             | 6.52            | 852               | 27.5          |                |                 |                   |               | 35   |
| 40                                                     | 1 1/2      | 2 1/2 | 3 1/2 | 4 1/2 |                |                 |                   |               | #7             | 6.54            | 852               | 30.4          | #8             | 6.51            | 1025              | 25.3          | 40   |
| 45                                                     | 1 1/2      | 2 1/2 | 3 1/2 | 4 1/2 |                |                 |                   |               |                |                 |                   |               | #8             | 6.49            | 1025              | 27.7          | 45   |
| 50                                                     | 1 1/2      | 2 1/2 | 3 1/2 | 4 1/2 |                |                 |                   |               |                |                 |                   |               | #9             | 6.48            | 1260              | 30.4          | 50   |



SECTION D-D



135° HOOK FOR #4 BARS

#4 BARS S (8'-7" LONG)

|                                                                                                                                                                                                     |          |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|
| INTERMEDIATE BENTS (DESIGN TAKEN FROM STD. PLAN C-S-9-20)                                                                                                                                           |          |         |
| STANDARD PLAN REINFORCED CONCRETE PILE BENTS 20'-0" THRU 50'-0" SPANS 28'-0" CLEAR ROADWAY 1'-0" SIDEWALKS FOR 1-BEAM SPANS H20-S16-44 LOADING TO BE USED WITH STD. PLAN S.C.-39A-20 4 LANE HIGHWAY |          |         |
| DATE: Dec. 12, 1956                                                                                                                                                                                 |          |         |
| STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS                                                                                                                                                           |          |         |
| DESIGNED                                                                                                                                                                                            | DETAILED | TRACED  |
| CHECKED                                                                                                                                                                                             | CHECKED  | CHECKED |
| BRIDGE DESIGN SECTION                                                                                                                                                                               |          |         |