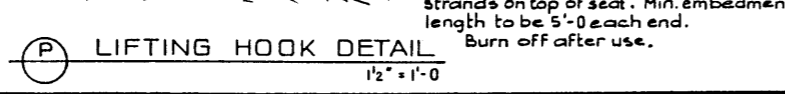
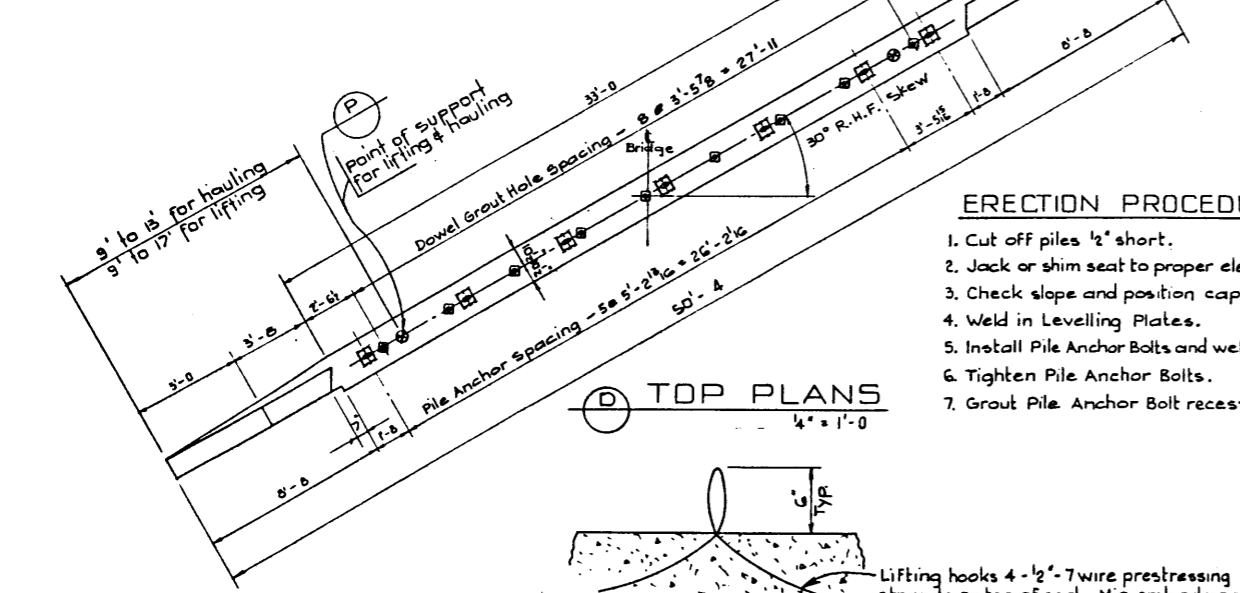
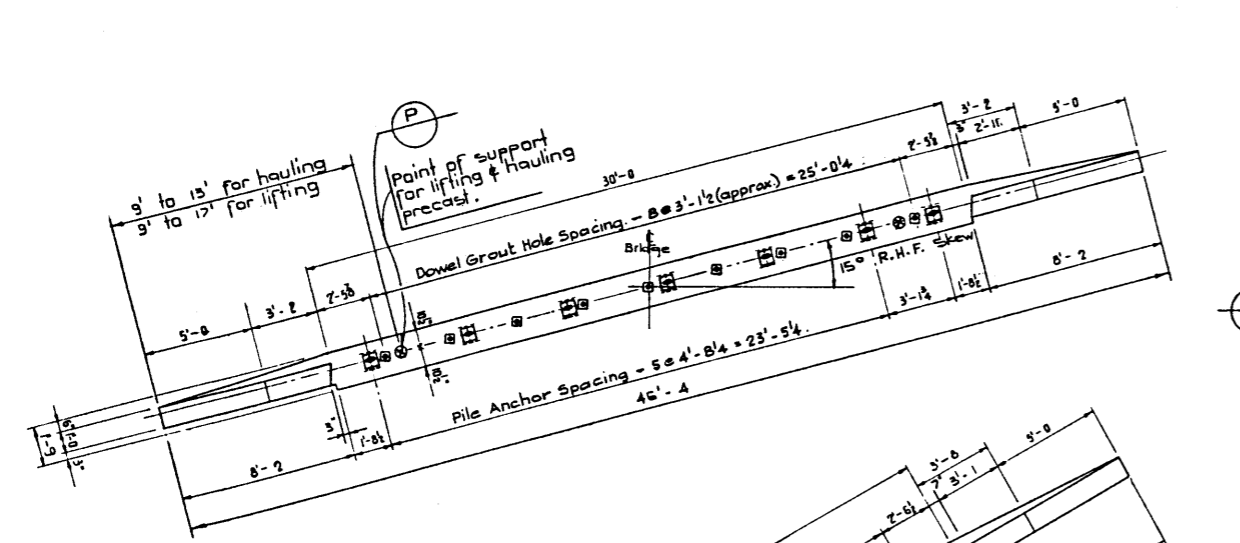
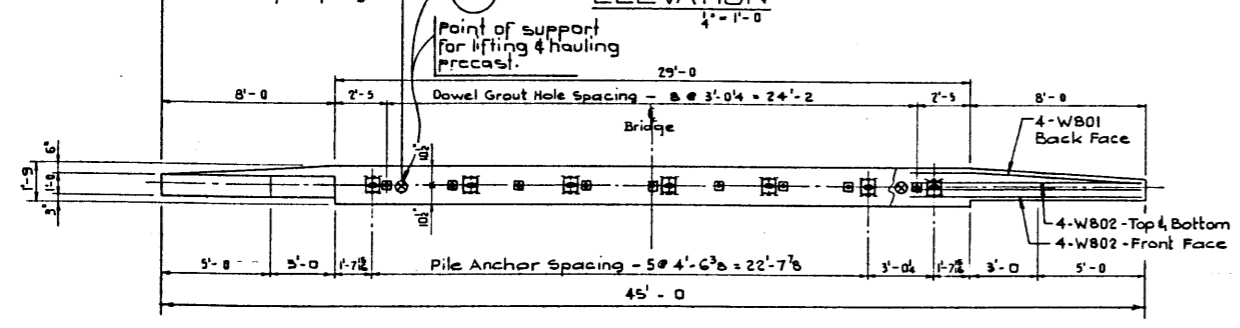
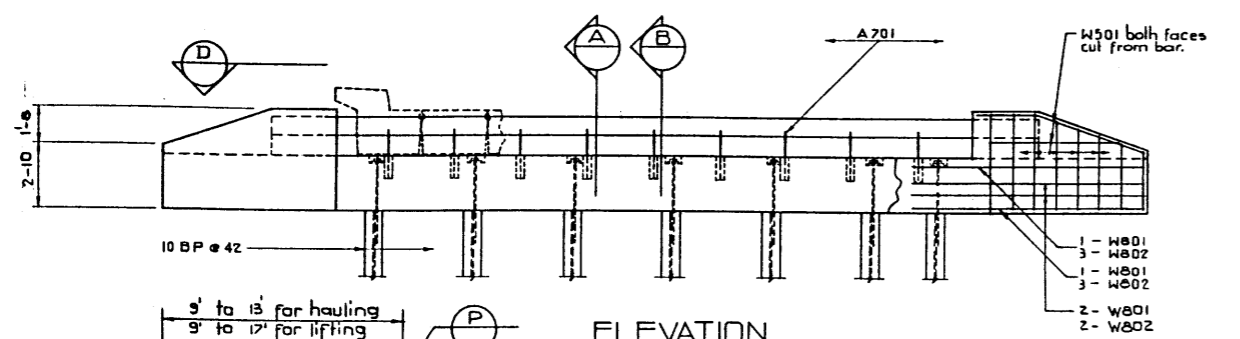


DESIGNED BY SHIK LEE DATE JULY 1970
 DETAILED BY MELIPAK DATE JULY 1970
 CHECKED BY R. G. GIBSON DATE JAN 15 1971



ERECTION PROCEDURE

1. Cut off piles 1/2" short.
2. Jack or shim seat to proper elevation.
3. Check slope and position cap.
4. Weld in Levelling Plates.
5. Install Pile Anchor Bolts and weld to piles.
6. Tighten Pile Anchor Bolts.
7. Grout Pile Anchor Bolt recesses.

BAR LIST — 1 Abutment 0° skew.

MARK	SIZE	NO.	TYPE	'x'	'y'	LENGTH	WEIGHT
A 401	4	30	A			7'-8	154
A 901	9	4	B	28'-8		31'-2	424
A 701	7	9	Str.			2'-4	43
A 902	9	6	Str.			28'-8	505
W 501	5	6	Str.			40'-0	250
W 801	8	8	C	7'-10		10'-11	233
W 802	8	16	Str.			10'-11	466

Total lbs.: 2,155

BAR LIST — 1 Abutment 15° skew.

MARK	SIZE	NO.	TYPE	'x'	'y'	LENGTH	WEIGHT
A 401	4	31	A			7'-8	159
A 901	9	4	B	29'-8		32'-2	437
A 701	7	9	Str.			2'-4	43
A 902	9	6	Str.			29'-8	605
W 501	5	6	Str.			40'-0	250
W 801	8	8	C	8'-0		11'-1	236
W 802	8	16	Str.			11'-1	473

Total lbs.: 2,203

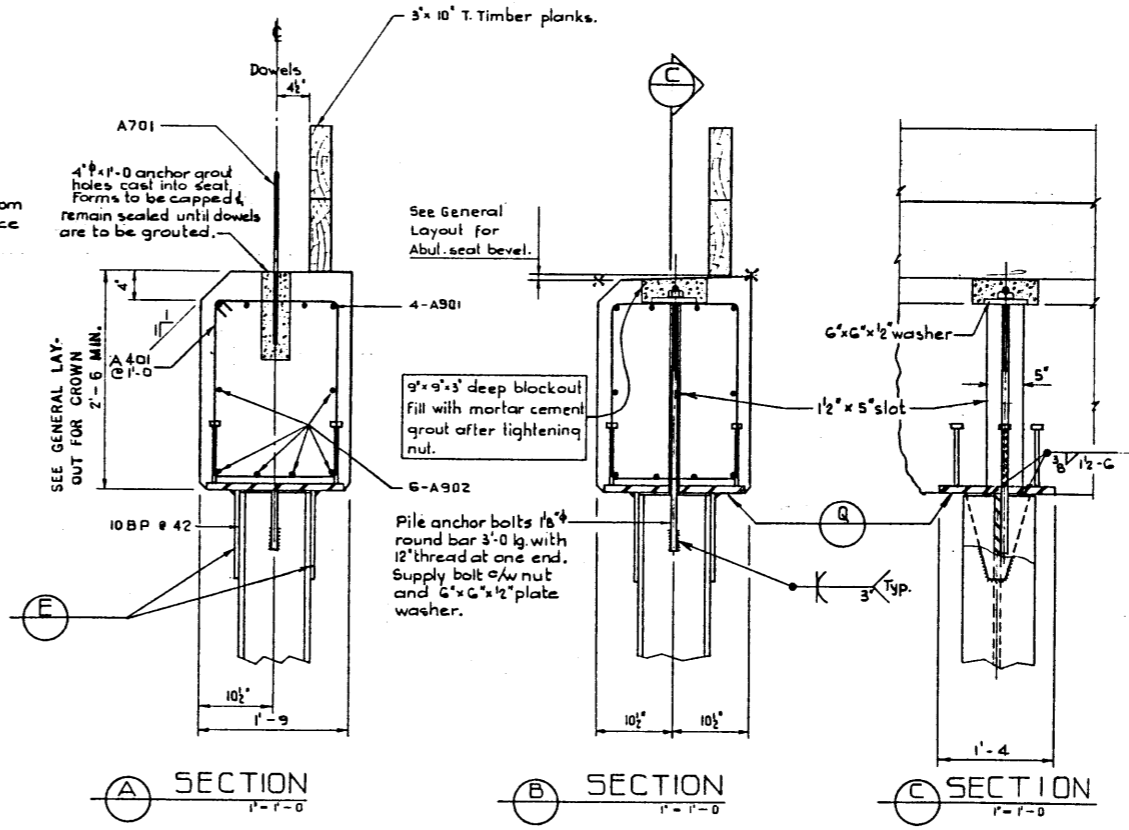
BAR LIST — 1 Abutment 30° skew.

MARK	SIZE	NO.	TYPE	'x'	'y'	LENGTH	WEIGHT
A 401	4	34	A			7'-8	174
A 901	9	4	B	32'-8		35'-2	478
A 701	7	9	Str.			2'-4	43
A 902	9	6	Str.			32'-8	666
W 501	5	6	Str.			40'-0	250
W 801	8	8	C	8'-6		11'-7	247
W 802	8	16	Str.			11'-7	495

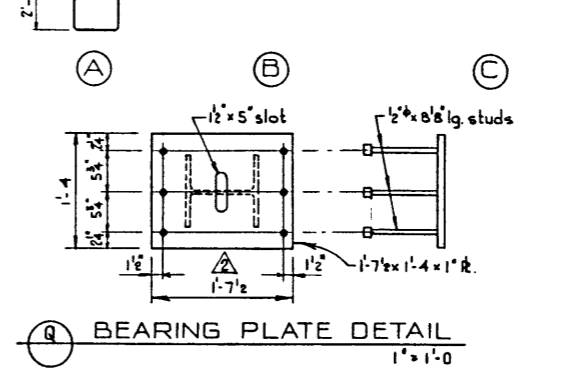
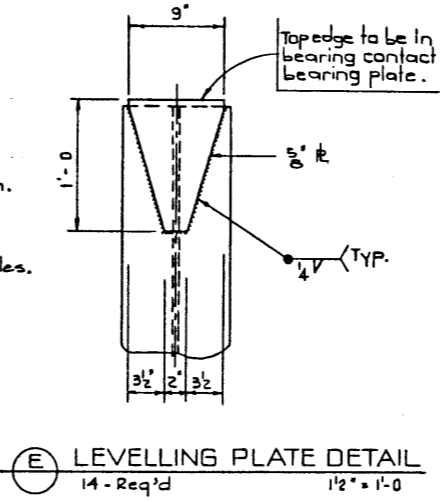
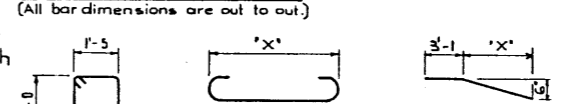
Total lbs.: 2,353

GENERAL NOTES:

- All requirements of the Bridge Branch Specification for the Supply of Structural Steel for Bridges. (Specification No. B187-64) shall be met.
- All welding shall conform to A.V.S. Specification. When temperature is below 32°F preheat the base metal to at least 200°F for 3" both laterally and in advance of the welding. Welding shall not be done when the temperature is lower than 0°F unless protection is provided for the operator and the enclosure is heated to at least 70°F.
- Painting Specification: Top of Steel H Piles to the bottom of 2' x 5' trench and bearing plates shall conform 2 coats of primer in the field. Primer shall conform to CGSB Spec 1-GP-166A Type III and shall have a dry thickness of 1.5 to 2.5 mils. Before painting, all steel shall be sandblasted in accordance with SSPC-SP-6-63 T of the Steel Structures Painting Council. Painting shall not commence until approval of the cleaning has been obtained from the Engineer. All steel shall meet A.S.T.M. A36 or CSA G40.12. Piles shall be driven to elevations shown on General Layout or to a bearing value of 30 tons when bearing capacity is determined by a bearing formula.
- Concrete shall be of standard weight aggregate with a maximum size of 3/4". Minimum compressive strength shall be 4000 p.s.i. at 28 days. Air entrainment shall be not less than 5%. Units are to conform to the requirements of the Bridge Branch Specifications for Manufacture of Precast Concrete Units, B-191-64.
- Precast abutment to be in upright position and supported at points indicated at all times.
- All exposed corners to have 3/4" fillet or chamfer.
- All concrete surfaces except bottom and fill side of wingwalls and seat to be given a Class 5 finish.
- All reinforcing steel shall have 2" clear cover unless otherwise noted.
- Bearing seat and wingwalls shall be plant cast in a single unit.
- Neoprene bearing pads: 0° skew - 9" x 3/8" x 29'-0, 60 Hardness 15° skew - 9" x 3/8" x 30'-0, 60 Hardness 30° skew - 9" x 3/8" x 33'-0, 60 Hardness
- Weight of precast pier caps: 0° skew - 31 kips 15° skew - 32 kips 30° skew - 34 kips



BAR TYPES:



REVISIONS

NO.	DATE	DESCRIPTION	BY
1	Sept. 3 / 71	Bearing Plate from 1'-9	T.B.
2	Jan. 14 / 71	General Revisions	R.G.G.

**STANDARD TYPE M BRIDGE
 24' ROADWAY, R.H.F. SKEW
 ABUTMENT**

GOVERNMENT OF THE PROVINCE OF ALBERTA
 DEPARTMENT OF HIGHWAYS AND TRANSPORT
 BRIDGE BRANCH, EDMONTON

FILE NO. _____ HWY. NO. _____ DWG. NO. _____
 LOCATION _____ SCALE _____ R.G.G.
 STREAM _____ SHEET _____ OF _____ 5-1014

11 A.V.S. RECORDS OFFICE