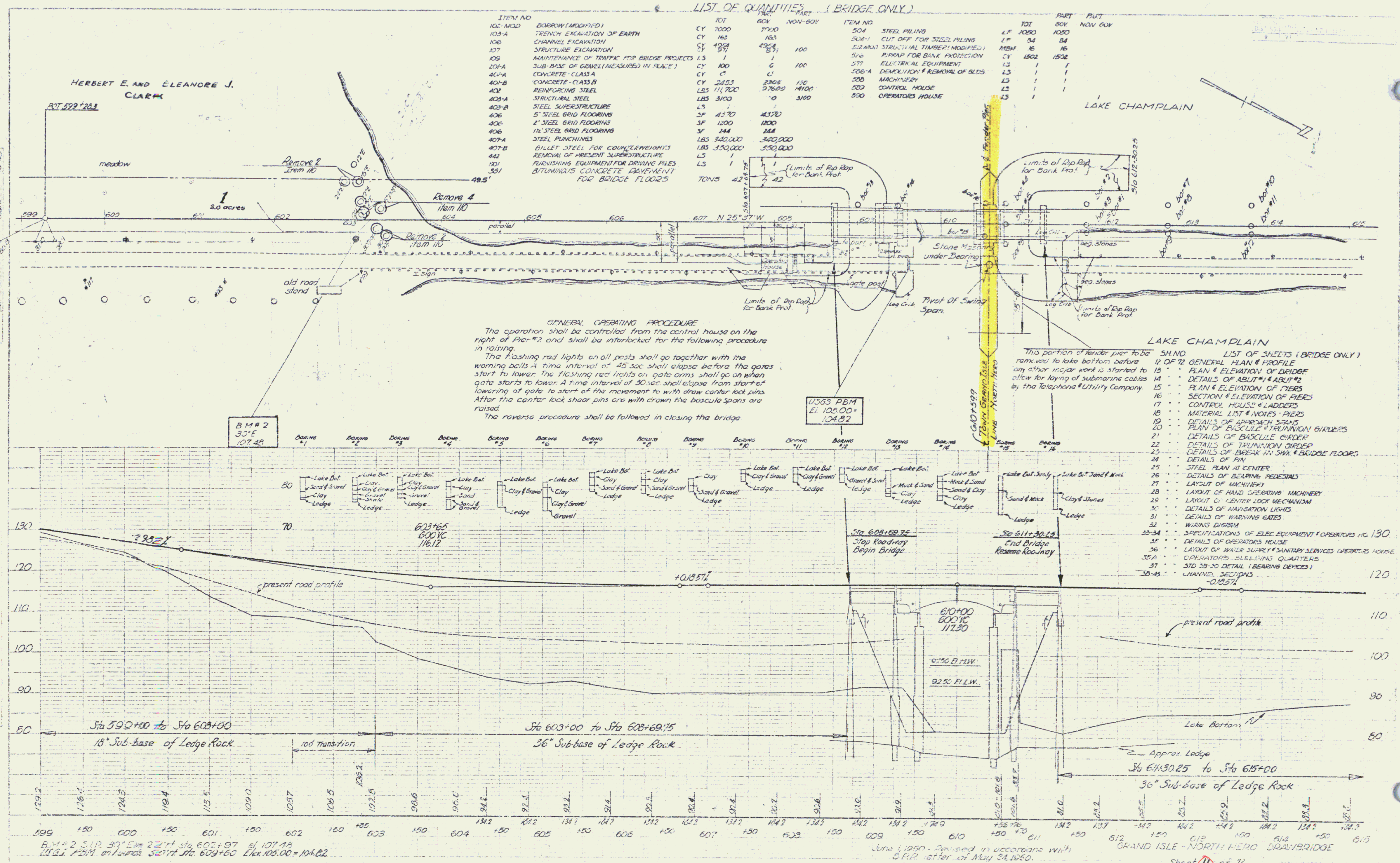

LIST OF QUANTITIES (BRIDGE ONLY)

ITEM NO			TOT	PART GOV	PART NON-GOV
102-MOD	BORROW (MODIFIED)	CY	7000	7000	
103-A	TRENCH EXCAVATION OF EARTH	CY	163	163	
106	CHANNEL EXCAVATION	CY	4954	4954	
107	STRUCTURE EXCAVATION	CY	971	871	100
109	MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS	LS	1	1	
201-A	SUB-BASE OF GRAVEL (MEASURED IN PLACE)	CY	100	0	100
401-A	CONCRETE - CLASS A	CY	0	0	
401-B	CONCRETE - CLASS B	CY	2453	2303	150
402	REINFORCING STEEL	LBS	111,700	97600	14100
403-A	STRUCTURAL STEEL	LBS	3100	0	3100
403-B	STEEL SUPERSTRUCTURE	LS	1	1	
406	5" STEEL GRID FLOORING	SF	4370	4370	
406	2" STEEL GRID FLOORING	SF	1200	1200	
406	1½" STEEL GRID FLOORING	SF	244	244	
407-A	STEEL PUNCHINGS	LBS	340,000	340,000	
407-B	BILLET STEEL FOR COUNTERWEIGHTS	LBS	350,000	350,000	
442	REMOVAL OF PRESENT SUPERSTRUCTURE	LS	1	1	
501	FURNISHING EQUIPMENT FOR DRIVING PILES	LS	1	1	
331	BITUMINOUS CONCRETE PAVEMENT FOR BRIDGE FLOORS	TONS	42	42	
504	STEEL PILING	LF	1050	1050	
504-1	CUT OFF FOR STEEL PILING	LF	84	84	
512 MOD	STRUCTURAL TIMBER (MODIFIED)	MBM	16	16	
576	RIPRAP FOR BANK PROTECTION	CY	1502	1502	
577	ELECTRICAL EQUIPMENT	LS	1	1	
586-A	DEMOLITION & REMOVAL OF BLDS	LS	1	1	
588	MACHINERY	LS	1	1	
589	CONTROL HOUSE	LS	1	1	
590	OPERATORS HOUSE	LS	1		1

GENERAL OPERATING PROCEDURE

The operation shall be controlled from the control house on the right of Pier #2 and shall be interlocked for the following procedure in raising.

The flashing red lights on all posts shall go together with the warning bells. A time interval of 45 sec shall elapse before the gates start to lower. The flashing red lights on gate arms shall go on when gate starts to lower. A time interval of 30 sec. shall elapse from start of lowering of gate to start of the movement to with draw center lock pins. After the center lock shear pins are with drawn the bascule spans are raised.

The reverse procedure shall be followed in closing the bridge.

This portion of fender pier to be removed to lake bottom before any other major work is started to allow for laying of submarine cables by the Telephone & Utility Company.

LIST OF SHEETS (BRIDGE ONLY)

SH. NO.	
12 OF 72	GENERAL PLAN & PROFILE
13 " "	PLAN & ELEVATION OF BRIDGE
14 " "	DETAILS OF ABUT #1 & ABUT #2
15 " "	PLAN & ELEVATION OF PIERS
16 " "	SECTION & ELEVATION OF PIERS
17 " "	CONTROL HOUSE & LADDERS
18 " "	MATERIAL LIST & NOTES - PIERS
19 " "	DETAILS OF APPROACH SPANS
20 " "	PLAN OF BASCULE & TRUNNION GIRDERS
21 " "	DETAILS OF BASCULE GIRDER
22 " "	DETAILS OF TRUNNION GIRDER
23 " "	DETAILS OF BREAK IN SWK & BRIDGE FLOORS
24 " "	DETAILS OF PIN
25 " "	STEEL PLAN AT CENTER
26 " "	DETAILS OF BEARING PEDESTALS
27 " "	LAYOUT OF MACHINERY
28 " "	LAYOUT OF HAND OPERATING MACHINERY
29 " "	LAYOUT OF CENTER LOCK MECHANISM
30 " "	DETAILS OF NAVIGATION LIGHTS
31 " "	DETAILS OF WARNING GATES
32 " "	WIRING DIAGRAM
33-34 " "	SPECIFICATIONS OF ELEC. EQUIPMENT & OPERATORS HO.
35 " "	DETAILS OF OPERATORS HOUSE
36 " "	LAYOUT OF WATER SUPPLY & SANITARY SERVICES OPERATORS HOUSE
35A " "	OPERATOR'S SLEEPING QUARTERS
37 " "	STD 3B-20 DETAIL (BEARING DEVICES)
38-43 " "	CHANNEL SECTIONS

B.M. # 2 S.I.P. 30" Elm 22' rt sta 602+97 el 107.48
U.S.G.S. PBM on found. 52' rt sta 609+60 Elev. 105.00 = 104.82

June 1, 1950 - Revised in accordance with B.P.R. letter of May 24, 1950.

GRAND ISLE - NORTH HERO DRAWBRIDGE

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