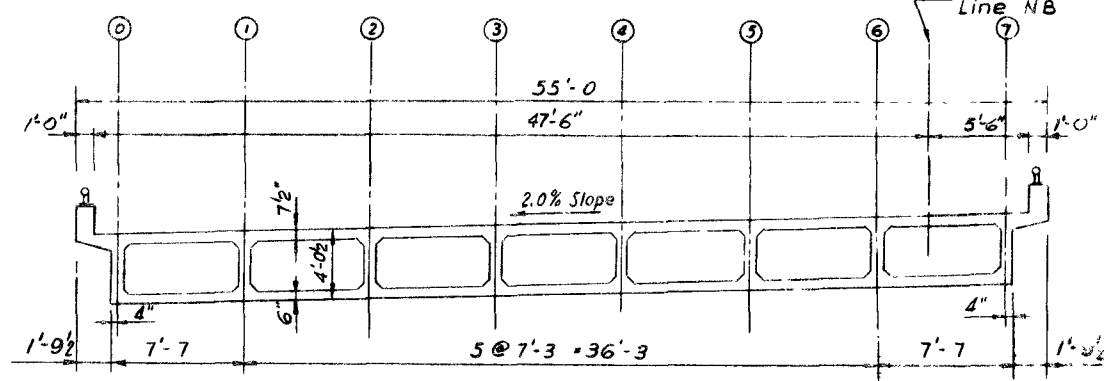


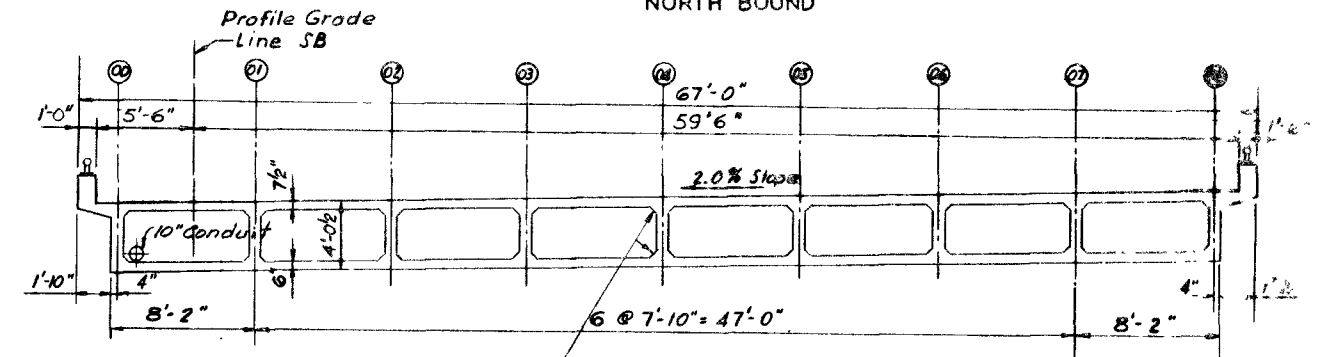
FED. ROAD DIV. NO.	STATE	PROJECT NO.	COUNTY	CONTROL SECTION	STATE ROUTE	SHEET NO.	TOTAL SHEETS
7	NEVADA	1-015-1 (31) 41	CLARK	03-083		82	

Ref. Sheet GA-3 Profile Grad. Line NB

ITEM	UNIT	I-935N	I-935S
Structure Excavation	C. Y.	550	612
Structure Backfill	C. Y.	470	548
Class A Concrete	C. Y.	849	1,033
Reinforcing Steel	LBS.	196,645	235,985
Furnish Steel Piles	L.F.	840	1,032
Drive Steel Piles	EACH	33	48
Steel Pile Splices	EACH	10	10
6" Std. Steel Pipe	L.F.	-	142
10" Std. Steel Conduit	L.F.	-	149
6" Flgd Gate Valves	EACH	-	2
Bridge Rail-Type H	L.F.	298	305
Slope Paving	S. Y.	581	671
6"x6"x10 Wire Mesh	S. Y.	581	671



SECTION B-B (Radial) NORTH BOUND

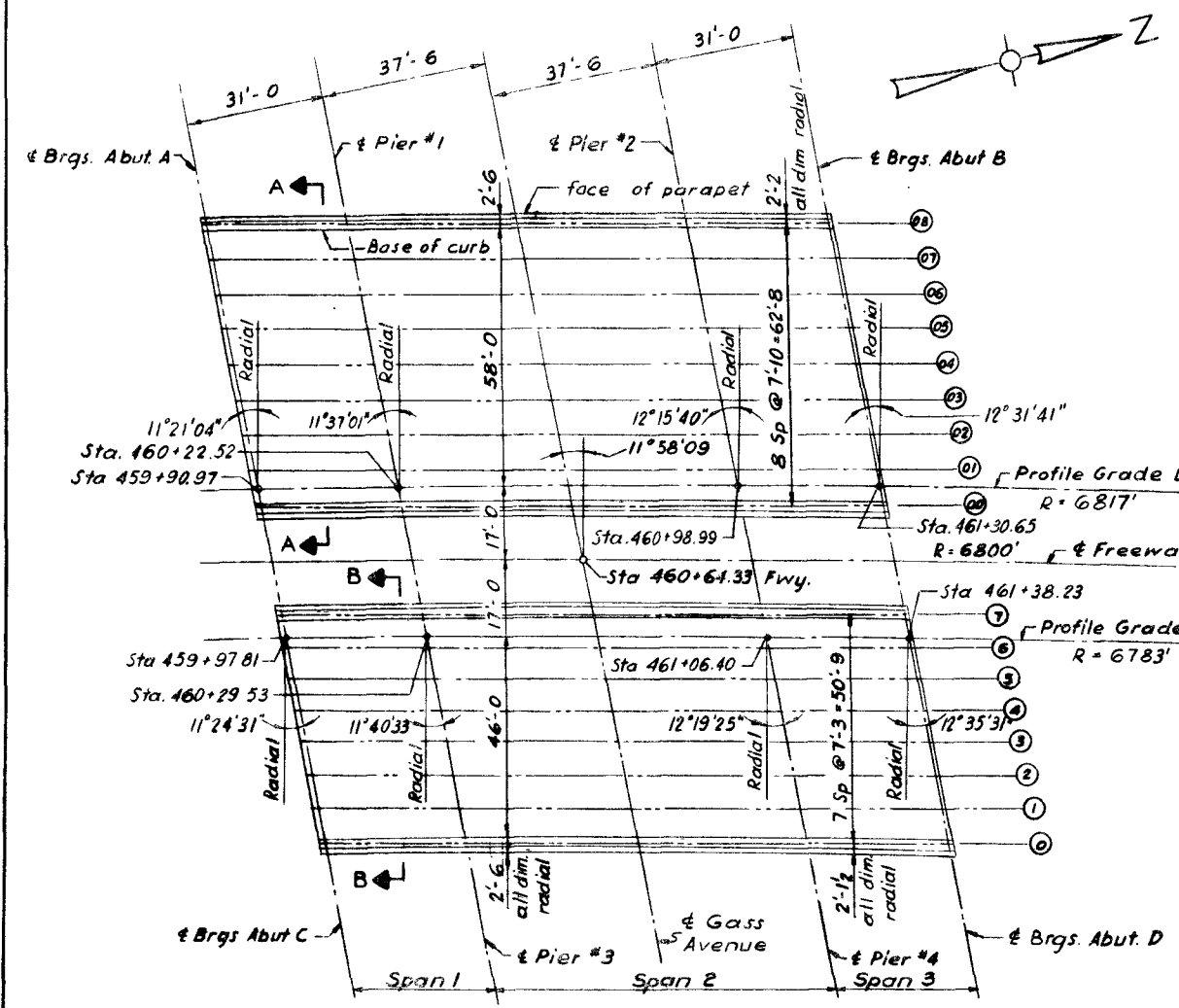


SECTION A-A (Radial) SOUTH BOUND

Fillets: The 4"x4" Fillets Are Optional, however, a Corresponding Decrease In Concrete Quantities Shall Be Made If The Fillets Are Deleted. (Both Structures.)

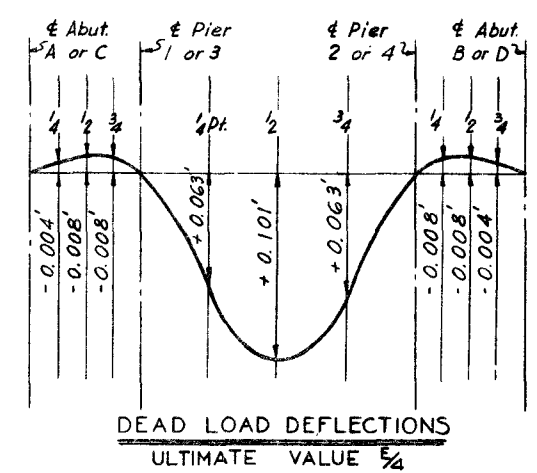
GENERAL NOTES

- DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Highway Bridges, 1961.
- CONSTRUCTION SPECIFICATIONS: State of Nevada Department of Highways Standard Specifications for Road and Bridge Construction, 1968, except as noted below, and in the special provisions for this contract.
- LIVE LOAD: Standard HS 20-44 or Alternate Loading.
- CONCRETE: All concrete shall be Class A, unless otherwise noted.
- REINFORCING STEEL: All reinforcing steel to be either intermediate or hard grade. Dimensions are to center of Bar unless otherwise noted.
- CAMBER: The camber shall be as shown on the plans.
- FALSEWORK AND FORMS: Falsework supporting the main carrying members of all continuous structures shall not be removed from one span until all spans between expansion joints are cured. Falsework and forms left in place in the cells of box girders shall not exceed 12 lbs. per sq. ft. of deck. All vertical supports between the top and bottom slabs in the cells of box girders shall be water soaked.
- PILING: All piling to be 10BP42. Order length of piles to be determined from the estimated pile tip elevations shown on the plans. Minimum bearing value 45 tons.
- PILE DRIVING: The Engineering News Formula $P = \frac{2E}{L} \cdot S^2$ shall be used to determine the bearing value of the pile. Terms, P, E and S are defined in Article 50.4 of Construction Specifications.
- SPREAD FOOTINGS: All piers can be supported by means of friction, having a maximum bearing value of 2 tons per square foot.
- EMBANKMENT: Care should be taken to assure that cobbles and boulders are not incorporated in that portion of the approach fills through which drilled shafts are to be cast or piles are to be driven.
- BRIDGE RAILING: Bridge railing to be Bridge Rail Type, H.
- FINE SURFACE FINISH: Surfaces requiring a fine finish are noted on the plans by the abbreviation "SF."
- CONSTRUCTION TYPE CODE: X221



PLAN OF DECK GEOMETRY

NOTE: ALL STATIONS GIVEN ARE BASED ON FREEWAY



DEAD LOAD DEFLECTIONS
ULTIMATE VALUE $\frac{E}{4}$

LINE	BRGS. ABUT. A	1/4	1/2	3/4	PIER # 1	1/4	1/2	3/4	PIER # 2	1/4	1/2	3/4	BRGS. ABUT. B
00	4.49	4.51	4.52	4.54	4.55	4.56	4.56	4.55	4.53	4.52	4.50	4.49	4.47
01	4.65	4.66	4.68	4.69	4.70	4.72	4.72	4.71	4.69	4.68	4.66	4.65	4.63
02	4.80	4.82	4.83	4.85	4.86	4.87	4.88	4.87	4.85	4.84	4.82	4.81	4.79
03	4.95	4.97	4.99	5.00	5.01	5.03	5.03	5.03	5.01	5.00	4.98	4.97	4.95
04	5.11	5.12	5.14	5.15	5.16	5.18	5.19	5.18	5.17	5.16	5.14	5.13	5.11
05	5.26	5.28	5.29	5.31	5.32	5.34	5.35	5.34	5.33	5.32	5.30	5.29	5.27
06	5.41	5.43	5.45	5.46	5.47	5.49	5.50	5.50	5.48	5.47	5.46	5.45	5.43
07	5.57	5.58	5.60	5.62	5.63	5.65	5.66	5.66	5.64	5.63	5.62	5.61	5.59
08	5.72	5.74	5.75	5.77	5.78	5.81	5.82	5.81	5.80	5.79	5.78	5.77	5.75

LINE	BRGS. ABUT. C	1/4	1/2	3/4	PIER # 3	1/4	1/2	3/4	PIER # 4	1/4	1/2	3/4	BRGS. ABUT. D
0	3.68	3.70	3.70	3.71	3.72	3.72	3.71	3.69	3.66	3.64	3.62	3.60	3.58
1	3.83	3.84	3.85	3.86	3.86	3.87	3.86	3.84	3.81	3.79	3.77	3.75	3.73
2	3.97	3.98	3.99	4.00	4.01	4.01	4.01	3.99	3.96	3.94	3.92	3.90	3.88
3	4.11	4.12	4.13	4.14	4.15	4.16	4.15	4.14	4.10	4.09	4.07	4.05	4.03
4	4.25	4.27	4.28	4.29	4.29	4.30	4.30	4.28	4.25	4.24	4.22	4.20	4.18
5	4.39	4.41	4.42	4.43	4.44	4.45	4.44	4.43	4.40	4.39	4.37	4.35	4.33
6	4.54	4.55	4.56	4.57	4.58	4.59	4.58	4.56	4.55	4.53	4.52	4.50	4.48
7	4.68	4.69	4.71	4.72	4.73	4.74	4.74	4.72	4.70	4.68	4.67	4.65	4.63

TABLES OF THEORETICAL DECK ELEVATIONS

NOTE: Add 2080.00 to all elevations.

58782

167V3833

STATE OF NEVADA
DEPARTMENT OF HIGHWAYS

GASS AVENUE OVERPASS
H-935N & H-935S 82
DECK GEOMETRY & ELEVATIONS

DE LEUW, CATHY & COMPANY
ENGINEERS
SAN FRANCISCO, CALIFORNIA

SCALE
DESIGNED BY: T.L.
DRAWN BY: R.D.L.
CHECKED BY: D.H.
APPROVED BY: J.S.