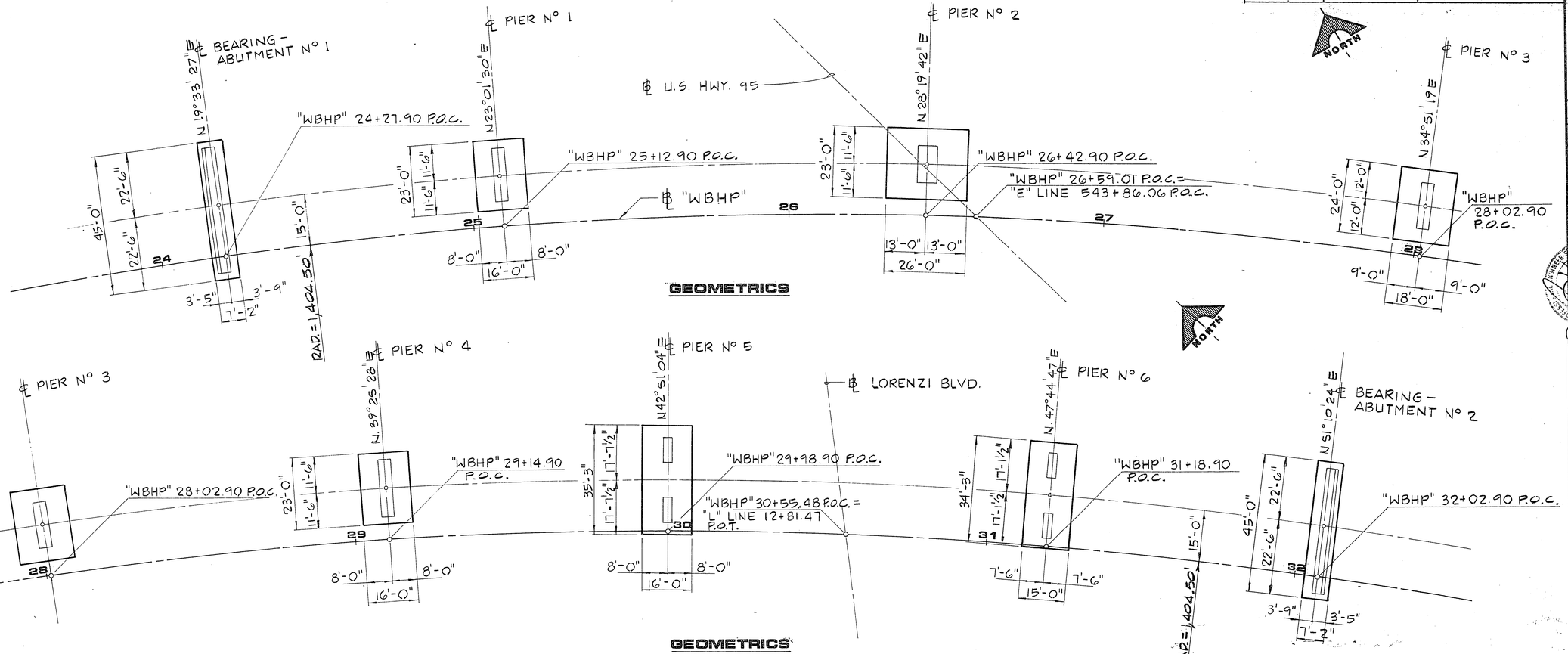
FED. RD. REG. NO.	STATE	PROJECT NO.	COUNTY
9	NEV.	SPS-095-2(4)	CLARK



GEOMETRICS

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NOTE:

ALL ℄'s OF ABUTMENTS & PIERS SHALL BE RADIAL.

GENERAL NOTES

1. DESIGN SPECIFICATIONS: AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, THIRTEENTH EDITION, 1983", AND "INTERIM SPECIFICATIONS THROUGH 1985", AASHTO "GUIDE SPECIFICATIONS FOR HORIZONTALLY CURVED HIGHWAY BRIDGES, 1980". LOAD FACTOR DESIGN METHOD USED.

2. CONSTRUCTION SPECIFICATIONS: STATE OF NEVADA DEPARTMENT OF HIGHWAY "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1986", EXCEPT AS NOTED HEREIN AND IN THE SPECIAL PROVISIONS FOR THIS CONTRACT."

3. LIVE LOAD: STANDARD HS20-44 LOADING WITH AN OVERLOAD DESIGN BASED ON CALIFORNIA "STANDARD PERMIT DESIGN VEHICLES". (MAXIMUM ALLOWABLE OVERLOAD "P13 TRUCK").

4. DEAD LOAD: DESIGN ALLOWS MAXIMUM 15 LBS. PER SQ. FT. FOR PERMANENT DECK FORMS INCLUDING THE WEIGHT OF CONCRETE IN THE VALLEYS OF THE FORMS. THIS IS IN ADDITION TO THE WEIGHT OF THE 8 1/2" SLAB. DESIGN ALSO INCLUDED 25 LBS. PER SQ. FT. FOR A FUTURE WEARING COURSE.

5. CONCRETE: ALL CONCRETE EXCEPT BARRIER RAILS SHALL BE CLASS AA, MODIFIED (MAJOR) WITH AN ULTIMATE COMPRESSIVE STRENGTH F=4000 PSI AT 28 DAYS. BARRIER RAILS SHALL BE CLASS DA, MODIFIED (MAJOR) WITH AN ULTIMATE COMPRESSIVE STRENGTH F=4000 PSI AT 28 DAYS. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4".

6. REINFORCING STEEL: ALL REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF ASTM A615 GRADE 60. DIMENSIONS RELATING TO BAR SPACING ARE CENTER TO CENTER. BENDING DIMENSIONS ARE FROM OUT TO OUT OF THE BARS. BAR SIZES THREE (3) TO NINE (9) ARE INDICATED BY THE FIRST NUMBER IN THE MARK. TEN (10) OR LARGER BY THE FIRST TWO NUMBERS. THE MINIMUM CLEARANCE, MEASURED FROM THE FACE OF THE CONCRETE TO THE SURFACE OF ANY REINFORCING BAR SHALL BE 2", EXCEPT WHERE OTHERWISE NOTED.

7. STRUCTURAL STEEL: ALL STRUCTURAL STEEL FOR GIRDER FLANGES, WEBS, ALL SPLICE MATERIALS, STIFFENERS, AND CROSS FRAME MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. DESIGNATION A-572, GRADE 50 STEEL, FY=50,000 PSI. ALL OTHER STRUCTURAL STEEL, UNLESS NOTED OTHERWISE, SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION A-36, FY=36,000 PSI. FABRICATOR SHALL HAVE CATEGORY III CERTIFICATION.

8. FINE SURFACE FINISH: ALL EXPOSED CONCRETE SURFACES SHALL BE FINE SURFACE FINISHED EXCEPT EXPOSED AGGREGATE SURFACES AND THE TOP OF THE DECK SLAB. ALL SURFACES IN CONTACT WITH THE GROUND SHALL BE FINE SURFACED FINISHED TO A POINT 1'-0" BELOW FINISHED GROUND LINE. THE COLOR OF THE FINE SURFACE FINISH SHALL CONFORM TO FEDERAL COLOR NO. 37875 AS SHOWN IN TABLE IX OF FEDERAL STANDARD NO. 595A.

9. BOLTED CONNECTIONS: UNLESS DESIGNATED OTHERWISE ALL BOLTS SHALL BE 7/8" DIA. A-325 WITH 15/16" DIA. HOLES FOR FRICTION TYPE CONNECTIONS.

10. DIMENSIONS SHOWN ARE MEASURED AT 80°F.

11. CONSTRUCTION TYPE CODE: X771.

12. FOUNDATION LOADS: MAXIMUM DESIGN BEARING VALUE EQUALS:

1.71	ton/sq.ft.	for Abutment Footings
5.50	"	for Pier No. 1 Footings
5.84	"	for Pier No. 2 Footings
5.64	"	for Pier No. 3 Footings
5.60	"	for Pier No. 4 Footings
5.65	"	for Pier No. 5 Footings
5.99	"	for Pier No. 6 Footings

13. UTILITIES: FOR LOCATION AND DETAILS OF ELECTRICAL CONDUIT IN THE BRIDGE DECK SEE SHEETS L-1, L-2 and L-3.

14. FOR LOCATION OF MEMBERS FOR SIGN ATTACHMENT SEE FRAMING PLAN SHEET B-23 AND FOR DETAILS SEE SHEET TS-16.

SHEET B-4 OMITTED

REV	DATE	DESCRIPTION
1	4-4-87	REVISE RAD. RAMP
2	8-3-88	ISSUE FOR CONSTRUCTION

R.E. NO. 1815 DATE 1/21/87

GEORGE EDWARD WALLACE

G.C. WALLACE, INC.
Engineering/Architecture
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89102

HOWARD HUGHES PROPERTIES
HUSITE PARKWAY INTERCHANGE
GEOMETRIC PLAN

SHEET 76
B3
OF 138 SHEETS

I-1845W

JOB NO. 620.222

8/84 DIETERICH-POST 6532B

26-3-124 107-V1882