



BENCHMARK DATA

BM-1	STA. 287+51.51	ELEV. 633.90	197.70' RT.
BM-31	STA. 292+98.44	ELEV. 630.72	94.40' LT.

FOR ADDITIONAL BENCHMARK INFORMATION, SEE ROADWAY PLAN AND PROFILE SHEETS 279 AND 280 OF 1679.

SOIL BORING LOCATIONS

BORING	STATION	OFFSET
B-101	290+92.18	61.27' RT.
B-102	292+36.14	7.75' LT.
B-103	291+77.36	60.48' LT.
B-104	293+41.03	60.53' RT.
B-105	292+76.15	3.92' RT.
B-106	293+89.08	60.35' LT.

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
 2010 ADT = 68,050 2010 ADTT = 3,400
 2030 ADT = 81,500 2030 ADTT = 4,100
 DIRECTIONAL DISTRIBUTION = 70/30

LEGEND

- SOIL BORING LOCATION (B101 TO B106)
- * - STAGE 1, PHASE B, STEP 1 CONSTRUCTION (29'-6")
- ** - STAGE 1, PHASE B, STEP 2 CONSTRUCTION (44'-11")
- *** - STAGE 3, PHASE B CONSTRUCTION (29'-6")
- **** - STAGE 3, PHASE C CONSTRUCTION (44'-11")

FOR LEGEND OF ABBREVIATIONS SEE SHEET 4144.

- 14'-0" REQUIRED MINIMUM VERTICAL CLEARANCE
- 16'-0 3/8" LEFT MINIMUM VERTICAL CLEARANCE
- 15'-0 3/8" RIGHT MINIMUM VERTICAL CLEARANCE
- ∠ - STATIONING TAKEN ALONG CENTERLINE OF CONSTRUCTION
- ∠∠ - 7'-6" REQUIRED MINIMUM HORIZONTAL CLEARANCE
- ∠∠∠ - 7'-10 1/8" LEFT MINIMUM HORIZONTAL CLEARANCE
- ∠∠∠∠ - 7'-11 1/8" RIGHT MINIMUM HORIZONTAL CLEARANCE

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAMS COMPOSITE WITH REINFORCED CONCRETE DECK AND CONCRETE SUBSTRUCTURE.
 SPANS: 36'-0", 60'-0", 36'-0" C/C BEARINGS.
 ROADWAY: 2 @ 52'-10" F/F CONCRETE PARAPETS
 LOADING: HS20-44 CASE I AND ALTERNATE MILITARY
 SKEW: 34°00'± L.F.
 APPROACH SLABS: 25'-0" LONG (AS-1-54) (MODIFIED IN 1989 AS-1-89)
 ALIGNMENT: TANGENT
 CROWN: 0.016'± PER FOOT
 WEARING SURFACE: 1"± MONOLITHIC CONCRETE
 STRUCTURAL FILE NUMBER: 4300483(L) / 4300513(R)
 DATE BUILT: 1959 DATE REHABILITATED: 1989

PROPOSED STRUCTURE

PROPOSED WORK: ADD CONTINUOUS COMPOSITE, A709 STEEL BEAMS WITH NEW AND WIDENED REINFORCED CONCRETE DECK, ON WIDENED PIERS AND RECONSTRUCTED SEMI-INTEGRAL ABUTMENTS.
 TYPE: CONTINUOUS COMPOSITE, A709 STEEL BEAM WITH REINFORCED CONCRETE DECK AND SEMI-INTEGRAL ABUTMENTS.
 SPANS: 36'-0", 60'-0", 36'-0" C/C BEARINGS.
 ROADWAY: 2 @ 71'-3 1/4" TOE/TOE PARAPET
 LOADING: HS20-44 CASE II AND ALTERNATE MILITARY; FWS= 60psf
 SKEW: 34°00'± L.F.
 APPROACH SLABS: 25'-0" LONG (AS-1-81)
 ALIGNMENT: TANGENT
 CROWN: 0.016' PER FOOT
 WEARING SURFACE: 1" MONOLITHIC CONCRETE
 COORDINATES: LATITUDE 45°46'08" N
 LONGITUDE 87°22'35" W

