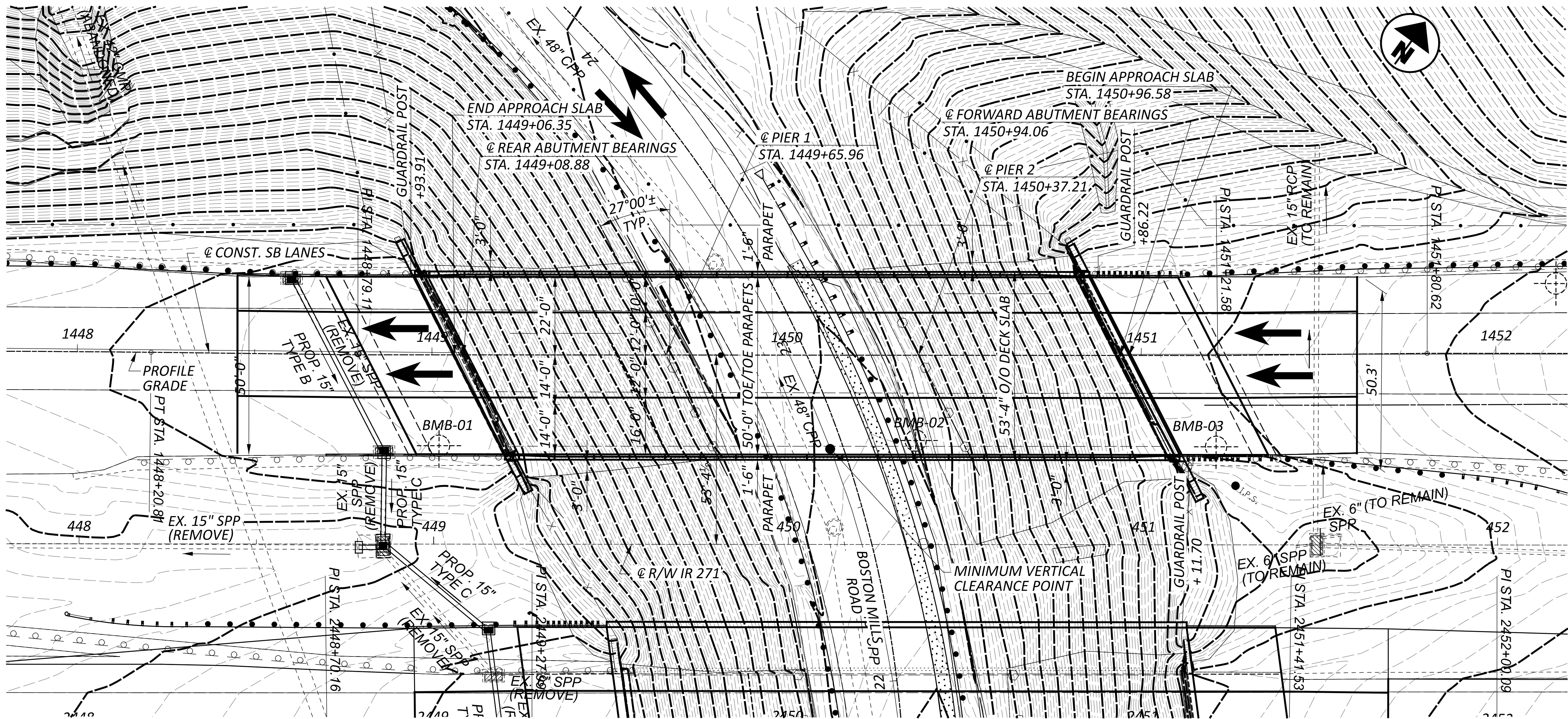
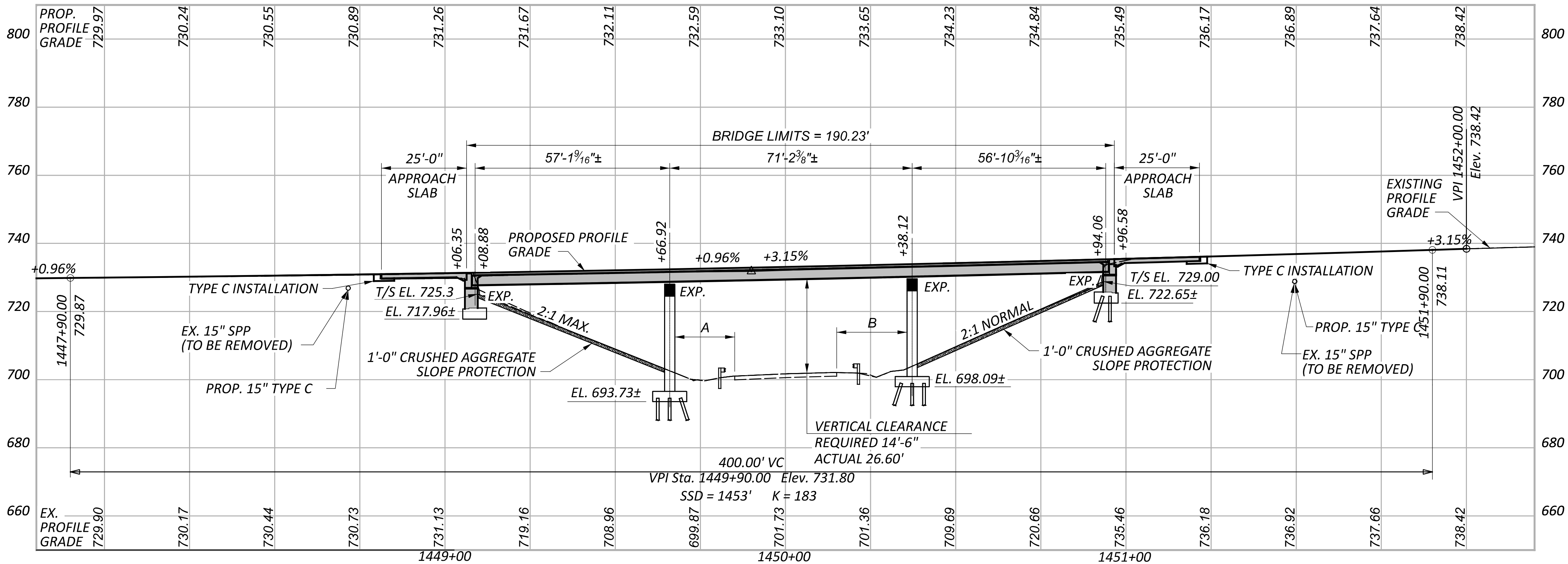




PLAN



PROFILE ALONG & CONSTRUCTION SB IR 271

BENCHMARK DATA

BM #1 STA.	451+12.39,	ELEV.	735.86,	OFFSET	22.12' LT,
BM #2 STA.	449+81.25,	ELEV.	708.83,	OFFSET	236.73' RT,
BM #3 STA.	447+99.95,	ELEV.	694.41,	OFFSET	245.17' LT,
BM #4 STA.	453+22.67	ELEV.	739.68,	OFFSET	3.23' RT,
BM #5 STA.	446+44.29	ELEV.	726.02,	OFFSET	98.33' RT

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEETS 74, 76 AND 78.

NOTES

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

DESIGN TRAFFIC (I.R. 271):

2028 ADT = 34500 2028 ADTT = 7935

2048 ADT = 40000 2048 ADTT = 9200

DIRECTIONAL DISTRIBUTION = 55.0%

LEGEND

HISTORIC BORING
SEE 2005 REHABILITATION
PLANS (SUM-271-8.02)

- 14'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
26.96' EXISTING MINIMUM VERTICAL CLEARANCE
26.90' ACTUAL MINIMUM VERTICAL CLEARANCE

A = ACTUAL MIN. LATERAL CLEARANCE = 12'-7¹/₈"
REQ. LATERAL CLEARANCE = 13'-0"

B = ACTUAL MIN. LATERAL CLEARANCE = 11'-4⁷/₁₆"
REQ. LATERAL CLEARANCE = 13'-0"

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAM WITH
REINFORCED CONCRETE DECK
AND SUBSTRUCTURE

SPANS: 57'-1¹/₂"±, 71'-2¹/₂"±, 56'-10¹/₂"± c/c BEARINGS

ROADWAY: 50'-0" TOE/TOE PARAPETS

LOADING: HS 20-44 AND ALTERNATE MILITARY LOADING

SKEW: 27°00'± R.F.

WEARING SURFACE: 1³/₄" SDC OVERLAY

APPROACH SLABS: AS-1-81 (25'-0" LONG)

ALIGNMENT: TANGENT

CROWN: 0.0156±

STRUCTURE FILE NUMBER: 7709099

DATE BUILT: 1968 (LMC OVERLAY 1986, WIDENING AND

SDC OVERLAY 2007))

DISPOSITION: REPLACE SUPERSTRUCTURE

PROPOSED STRUCTURE

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE
DECK AND EXISTING ABUTMENTS MODIFIED TO BE SEMI-
INTEGRAL AND EXISTING PIERS WITH NEW CAPS.

SPANS: 57'-1⁹/₁₆"±, 71'-2³/₈"±, 56'-10³/₁₆"± C/C BEARINGS

ROADWAY: 50'-0" TOE/TOE PARAPETS

DESIGN LOADING: HL-93 AND FUTURE WEARING SURFACE

SKEW: 27°00'± R.F.

WEARING SURFACE: MONOLITHIC CONCRETE

APPROACH SLABS: 25'-0" LONG, 15" THICK (AS-1-15, AS-2-15 (TYPE B))

ALIGNMENT: TANGENT

CROWN: 0.016 FT/FT

DECK AREA: 10146 SF

COORDINATES: LATITUDE 41°15'50.40" N

LONGITUDE 81°33'8.90"W