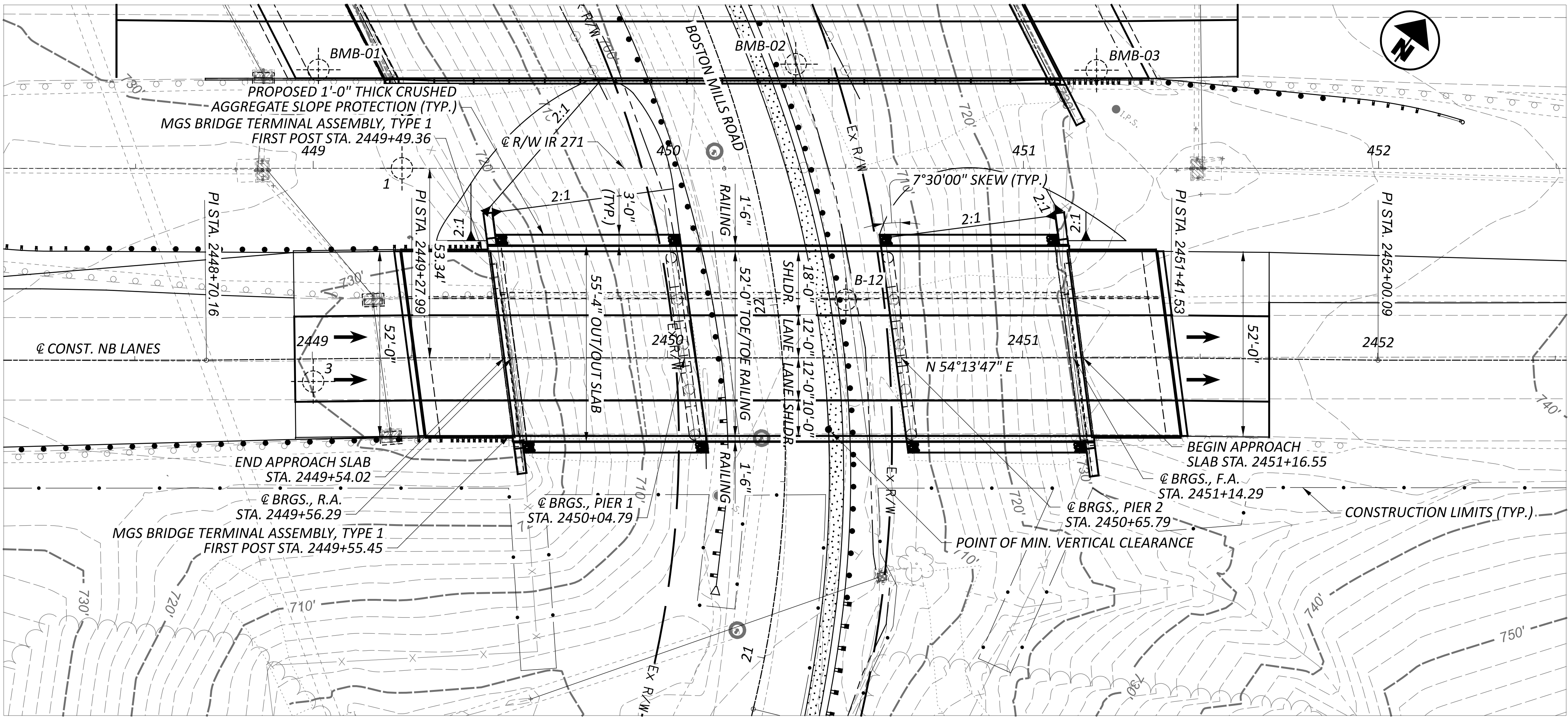
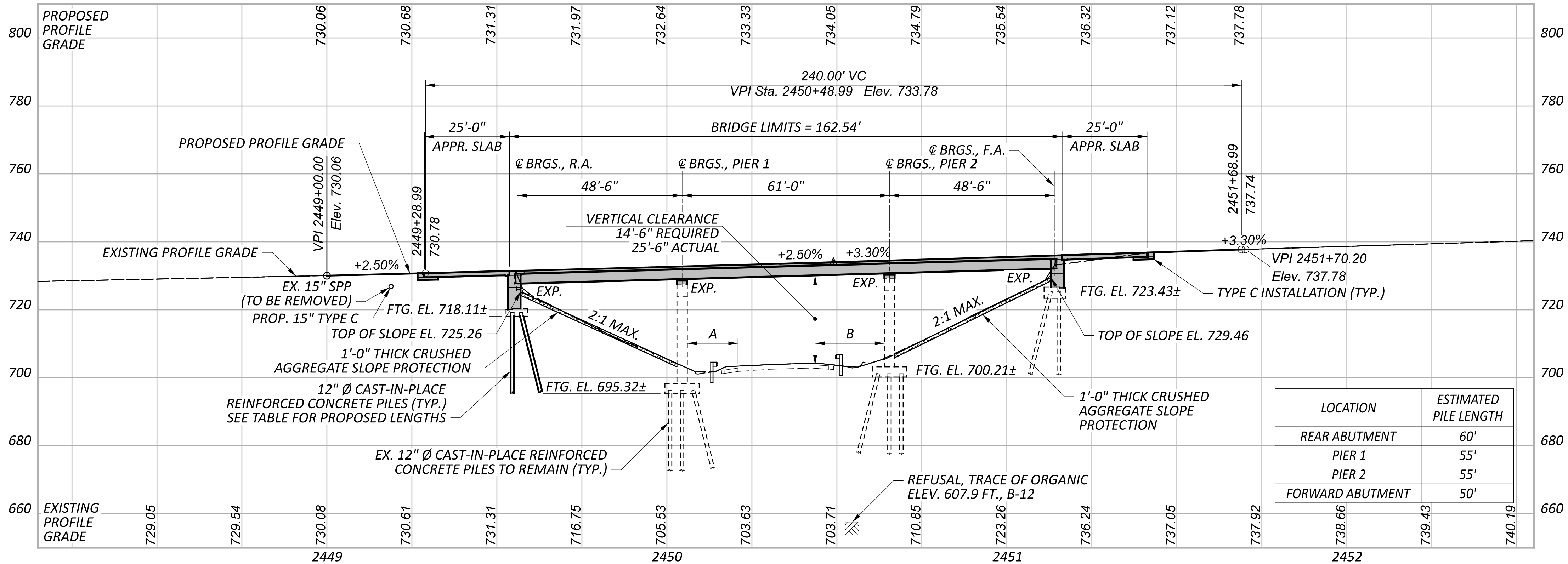




PLAN



PROFILE ALONG CL CONST. NB LANES

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.	684.41,	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 PLANS.

NOTES

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

DESIGN TRAFFIC:

2028 ADT = 28,500 2028 ADTT = 6,535

2048 ADT = 30,000 2048 ADTT = 6,900

DIRECTIONAL DISTRIBUTION = 51.6%

LEGEND

- 14'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
- 24'-11" EXISTING MINIMUM VERTICAL CLEARANCE
- 25'-6" ACTUAL PROPOSED MINIMUM VERTICAL CLEARANCE

A = ACTUAL MIN. LATERAL CLEARANCE = 11'-10¹/₄"

REQ. LATERAL CLEARANCE = 13'-0"

B = ACTUAL MIN. LATERAL CLEARANCE = 11'-9"

REQ. LATERAL CLEARANCE = 13'-0"

● HISTORIC BORING

● DITCH EROSION PROTECTION, 7.5' WIDE

● STABILIZED CRUSHED AGGREGATE

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 48'-6"±, 61'-0"±, 48'-6"± C/C BEARINGS

ROADWAY: 38'-8¹/₄"± TOE/TOE PARAPET

LOADING: HS 20-44 AND ALTERNATE MILITARY LOADING

SKEW: 7°30'± R.F.

WEARING SURFACE: 1³/₄"± SDC OVERLAY

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

ALIGNMENT: TANGENT

CROWN: 0.0156± FT/FT

STRUCTURE FILE NUMBER: 7709129

DATE BUILT: 1968 (LMC OVERLAY 1986, SDC OVERLAY 2007)

DISPOSITION: WIDEN EXISTING SUBSTRUCTURES AND REPLACE SUPERSTRUCTURE

PROPOSED STRUCTURE

PROPOSED WORK: WIDEN ABUTMENTS AND CONVERT TO SEMI-INTEGRAL, WIDEN PIERS, NEW ROLLED STEEL BEAMS AND COMPOSITE CONCRETE DECK, REPLACE APPROACH SLABS

SPANS: 48'-6"±, 61'-0"±, 48'-6"± C/C BEARINGS

ROADWAY: 52'-0" TOE/TOE PARAPET

DESIGN LOADING: SEE GENERAL NOTES

SKEW: 7°30'± R.F.

WEARING SURFACE: 1" MONOLITHIC CONCRETE

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

ALIGNMENT: TANGENT

CROWN: 0.016 FT/FT

DECK AREA: 8994 SF

COORDINATES: LATITUDE 41°15'49.82" N

LONGITUDE 81°33'07.60" W

SITE PLAN
BRIDGE NO. SUM-00271-08.530R
IR 271 OVER BOSTON MILLS ROAD

SFN

7709131

DESIGN AGENCY

CDH CCJ

REVIEWER

GLG 12/05/25

PROJECT ID

111417

SUBSET

1 TOTAL 29

SHEET

179 TOTAL 207