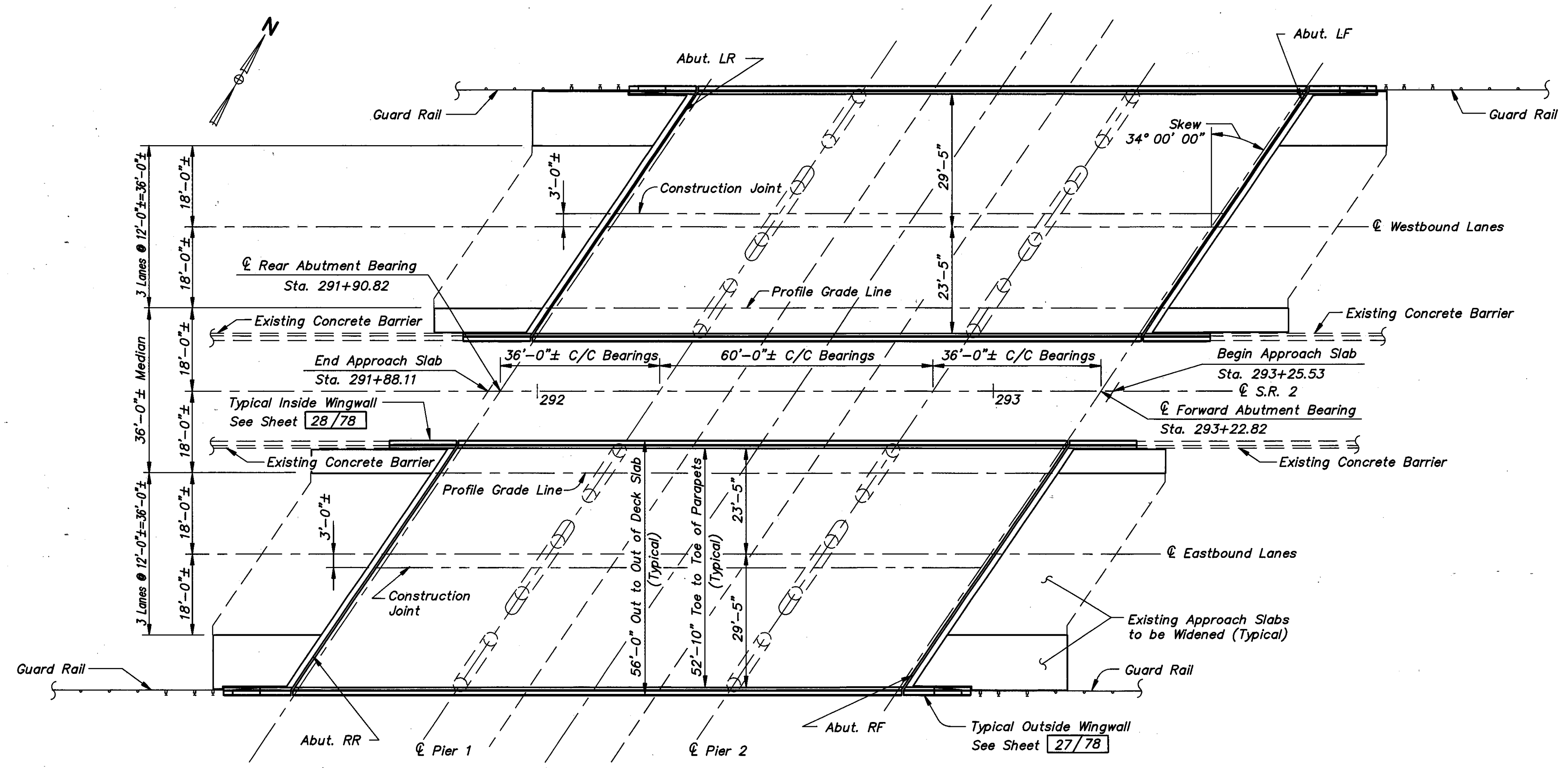
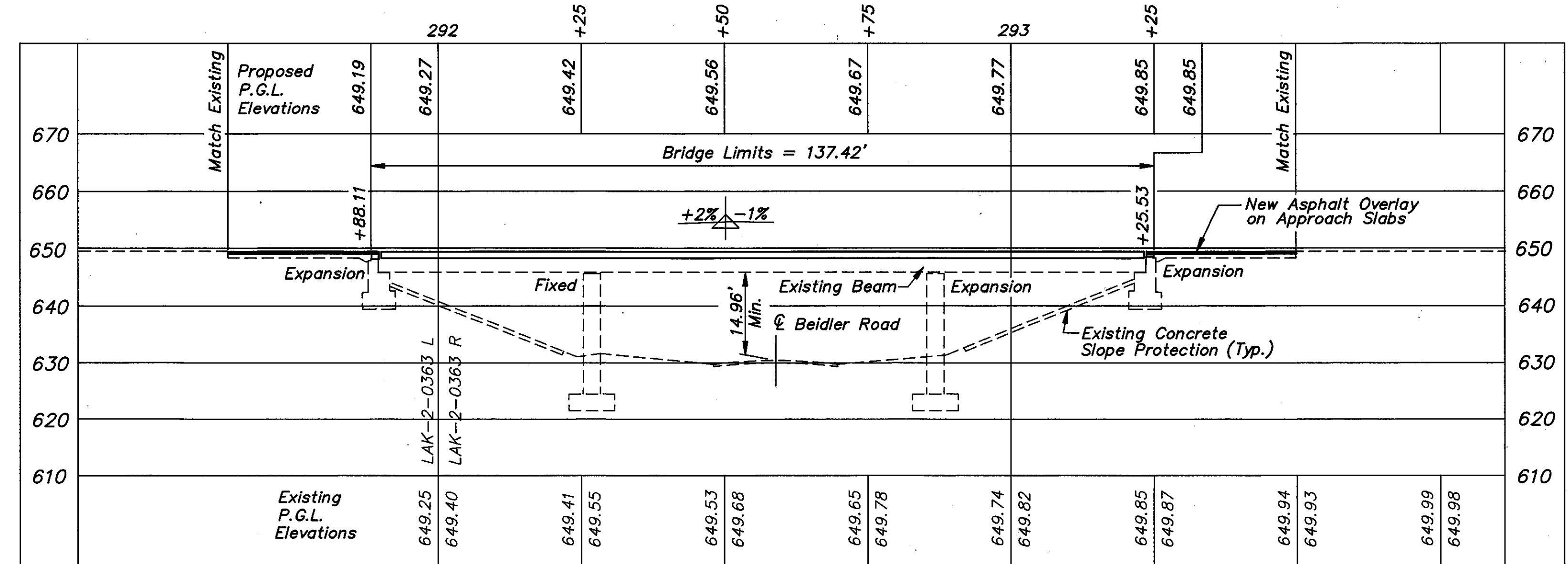


Benchmark: ϕ Bearing of Northern Most Beam of Westbound Bridge at West Piers.
Elevation = 645.81



GENERAL PLAN

Vertical Curve Data
1100' Vertical Curve
PVI Sta. 292+50
Elev. 653.68



PROFILE

EXISTING STRUCTURE DATA

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE.
SPAN: 36'-0", 60'-0", 36'-0" C/C BEARINGS
ROADWAY: 51'-8" FACE TO FACE OF CURBS EASTBOUND LANES
51'-8" FACE TO FACE OF CURBS WESTBOUND LANES
SKEW: 34° 00' 00" L.F.
ALIGNMENT: TANGENT

PROPOSED STRUCTURE DATA

TYPE: EXISTING CONTINUOUS STEEL BEAM WITH NEW REINFORCED CONCRETE DECK AND REHABILITATED EXISTING REINFORCED CONCRETE SUBSTRUCTURE.
SPAN: 36'-0", 60'-0", 36'-0" C/C BEARINGS
ROADWAY: 52'-10" TOE TO TOE OF PARAPETS EASTBOUND LANES
52'-10" TOE TO TOE OF PARAPETS WESTBOUND LANES
LOADING: HS20-44 (CASE 1) & THE ALTERNATE MILITARY
SKEW: 34° 00' 00" L.F.
WEARING SURFACE: MONOLITHIC CONCRETE
APPROACH SLABS: EXISTING (25' LONG) TO BE WIDENED
W/ 1" MINIMUM ASPHALT CONCRETE OVERLAY
CROWN: 3/16" PER FOOT
ALIGNMENT: TANGENT
DESIGN AVERAGE DAILY TRAFFIC: 63,400 (2007)
DESIGN AVERAGE DAILY TRUCK TRAFFIC: 3,804 (2007)

Notation: P.G.L. - Profile Grade Line, MIN. - Minimum, Elev. - Elevation, Sta. - Station, Abut. - Abutment,

COLPETZER-THOMAS, INC.
AN ENGINEERING GROUP
WILLOUGHBY • MENTOR • NORTH CANTON • STEUBENVILLE • LORAIN

GENERAL PLAN & PROFILE
BRIDGE NO. LAK-2-0363 L & R
OVER BEIDLER ROAD
Sta. 291+88.11
Sta. 293+25.53
LAKE COUNTY

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
J.P.R.	R.L.M.	R.L.M.	R.J.C.	J.E.A.	11/15/88	