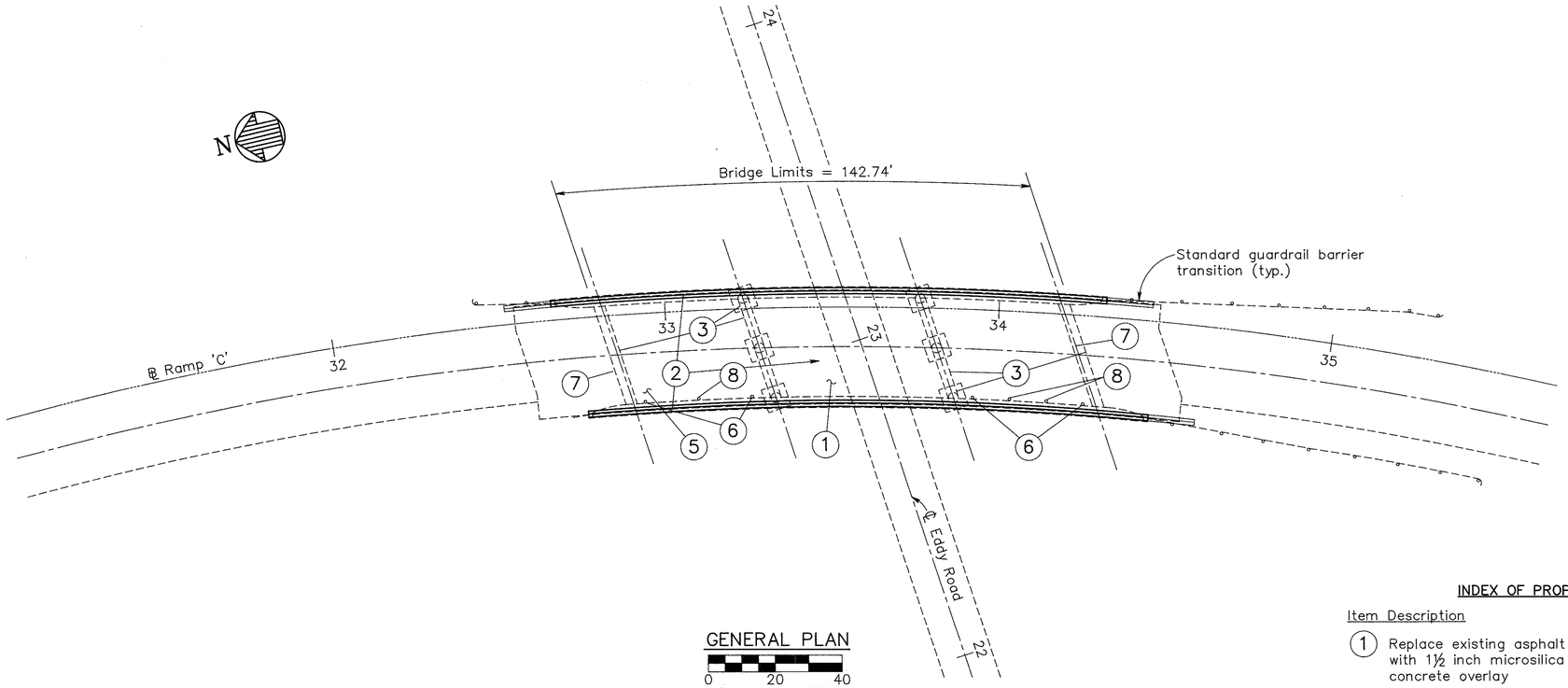
CALC. BY ___ DATE ___	LAKE COUNTY	OHIO
CHKD. BY ___ DATE ___	LAK–90/271–1.88/0.00	FHWA REGION 5

166/185



GENERAL PLAN

0 20 40

SCALE IN FEET

Item Special – Patching Concrete with Trowelable Mortar	
Location	Estimated Quantity – SQ. FT.
Parapets	
Piers	6
Abutments	81
Wingwalls	5
50% Expansion Factor	46
Total	138

Survey date: 2–3–92

INDEX OF PROPOSED WORK ITEMS

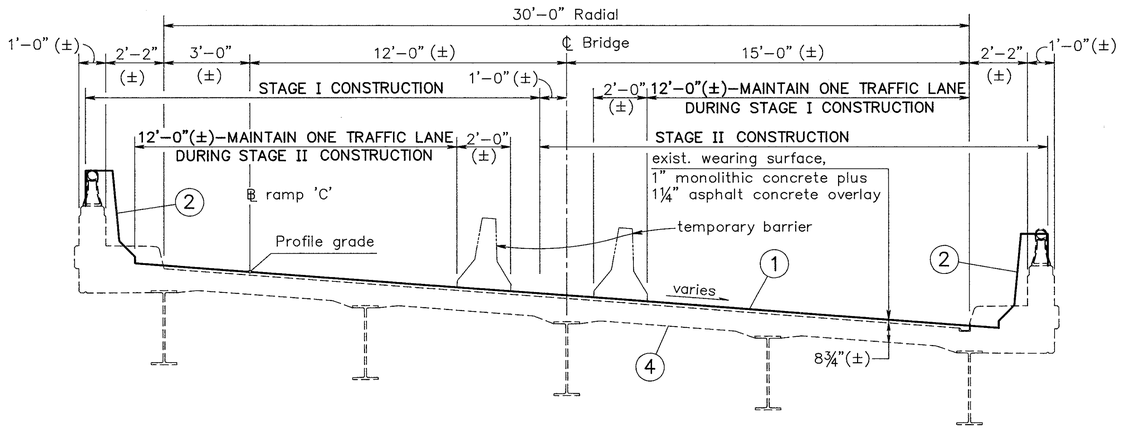
Item	Description	Detail Location
(1)	Replace existing asphalt overlay with 1½ inch microsilica modified concrete overlay	Gen. Notes & Trans. Section
(2)	Install safety shape parapet	Gen. Notes & sheet 17/22
(3)	Patch and seal concrete surfaces	Gen. Notes
(4)	Deck bottom repair	Gen. Notes
(5)	Slope repair and protection	Gen. Notes
(6)	Plug existing scupper	Gen. Notes
(7)	Seal expansion joint with poured polyurethane joint seal	Gen. Notes
(8)	Modify existing scupper	Gen. Notes

EXISTING STRUCTURE

TYPE: Continuous steel beams with reinforced concrete deck & substructure.
SPANS: 42.50'–53.00'–42.50'
ROADWAY: 30'–0" f/f 2'–2" safety curbs
LOAD FREQUENCY: C.F. = 2000(57)
SKEW: 18°21'39" R.F.
WEARING SURFACE: 1" monolithic concrete + 1¼" asphalt overlay
APPROACH SLAB: Special design (25' long)
ALIGNMENT: 6°00' curve and spiral
SUPERELEVATION: Varies

MODIFIED STRUCTURE

TYPE: Continuous steel beams with reinforced concrete deck & substructure.
SPANS: 42.50'–53.00'–42.50'
ROADWAY: 32'–2" t/t deflector parapets
LOAD FREQUENCY: C.F. = 2000(57)
SKEW: 18°21'39" R.F.
WEARING SURFACE: 1½" microsilica modified concrete overlay
APPROACH SLAB: Special design (25' long)
ALIGNMENT: 6°00' curve and spiral
SUPERELEVATION: Varies



TRANSVERSE SECTION

0 2 4 8

SCALE IN FEET

9/22

STILSON & ASSOCIATES, INC.
CONSULTING ENGINEERING AND ARCHITECTURE
COLUMBUS AND CLEVELAND

GENERAL PLAN & TRANSVERSE SECTION

BRIDGE NO. LAK–271–0127 E
RAMP "C" OVER EDDY ROAD

LAKE COUNTY

STA. 32+79.49 TO STA. 34+22.23

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
W.M.	R.T.P.		V.S.	G.W.M.	2/21/92	