

GENERAL PLAN
0 30 60
SCALE IN FEET

INDEX OF PROPOSED WORK ITEMS

Item Description	Detail Location
① Replace existing concrete overlay with 2 inch microsilica modified concrete overlay	Gen. Notes & Trans. Section
② Install safety shape parapet	Gen. Notes & sheet 18/22
③ Patch and seal concrete surfaces	Gen. Notes
④ Slope repair and protection	Gen. Notes
⑤ Waterway channel clean out	Gen. Notes
⑥ Reset bearings	Gen. Notes
⑦ Plug existing scupper	Gen. Notes
⑧ Seal expansion joint with poured polyurethane joint seal	Gen. Notes
⑨ Modify existing scupper	Gen. Notes

Item Special - Patching Concrete with Trowelable Mortar		
Location	Estimated Quantity - SQ. FT.	
	LAK90-0605 L	LAK90-0605 R
Curbs		
Parapets		
Piers	12	20
Abutments	62	16
Wingwalls		
50% Expansion Factor	37	21
Total	111	57

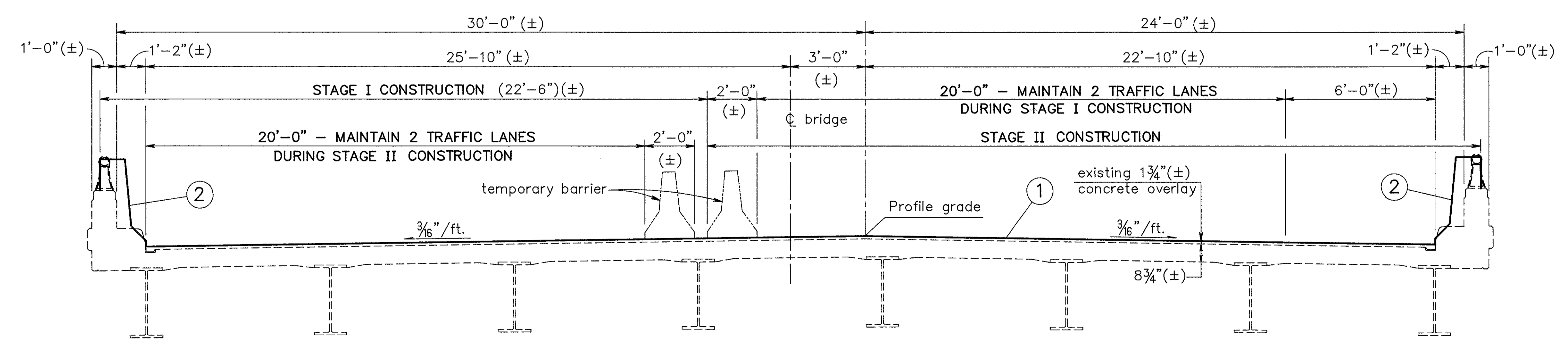
Survey date: 2-13-92

EXISTING STRUCTURES

TYPE: Continuous steel beams with reinforced concrete deck & substructure.
 SPANS: 64'-80'-80'-64' c/c bearings
 ROADWAY: 54'-0" f/f of parapets - 1'-0" curbs
 LOAD FREQUENCY: C.F. = 2000(57)
 Adequate for AASHTO alternate loading.
 SKEW: 26°00'00" L.F.
 WEARING SURFACE: 1" monolithic concrete + 1 3/4" concrete overlay
 APPROACH SLAB: AS-1-54 (25' long)
 ALIGNMENT: Tangent
 SUPERELEVATION: None

MODIFIED STRUCTURES

TYPE: Continuous steel beams with reinforced concrete deck & substructure.
 SPANS: 64'-80'-80'-64' c/c bearings
 ROADWAY: 51'-8" t/t deflector parapets
 LOAD FREQUENCY: C.F. = 2000(57)
 Adequate for AASHTO alternate loading.
 SKEW: 26°00'00" L.F.
 WEARING SURFACE: 2" microsilica modified concrete
 APPROACH SLAB: AS-1-54 (25' long)
 ALIGNMENT: Tangent
 SUPERELEVATION: None



TRANSVERSE SECTION
0 2 4 8
SCALE IN FEET

15/22

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

GENERAL PLAN & TRANSVERSE SECTION
 BRIDGE NO. LAK-90-0605 L&R
 OVER CHAGRIN RIVER

LAKE COUNTY STA. 273+53.50 TO STA. 276+46.50

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