

GENERAL PLAN
SCALE IN FEET
0 20 40

INDEX OF PROPOSED WORK ITEMS

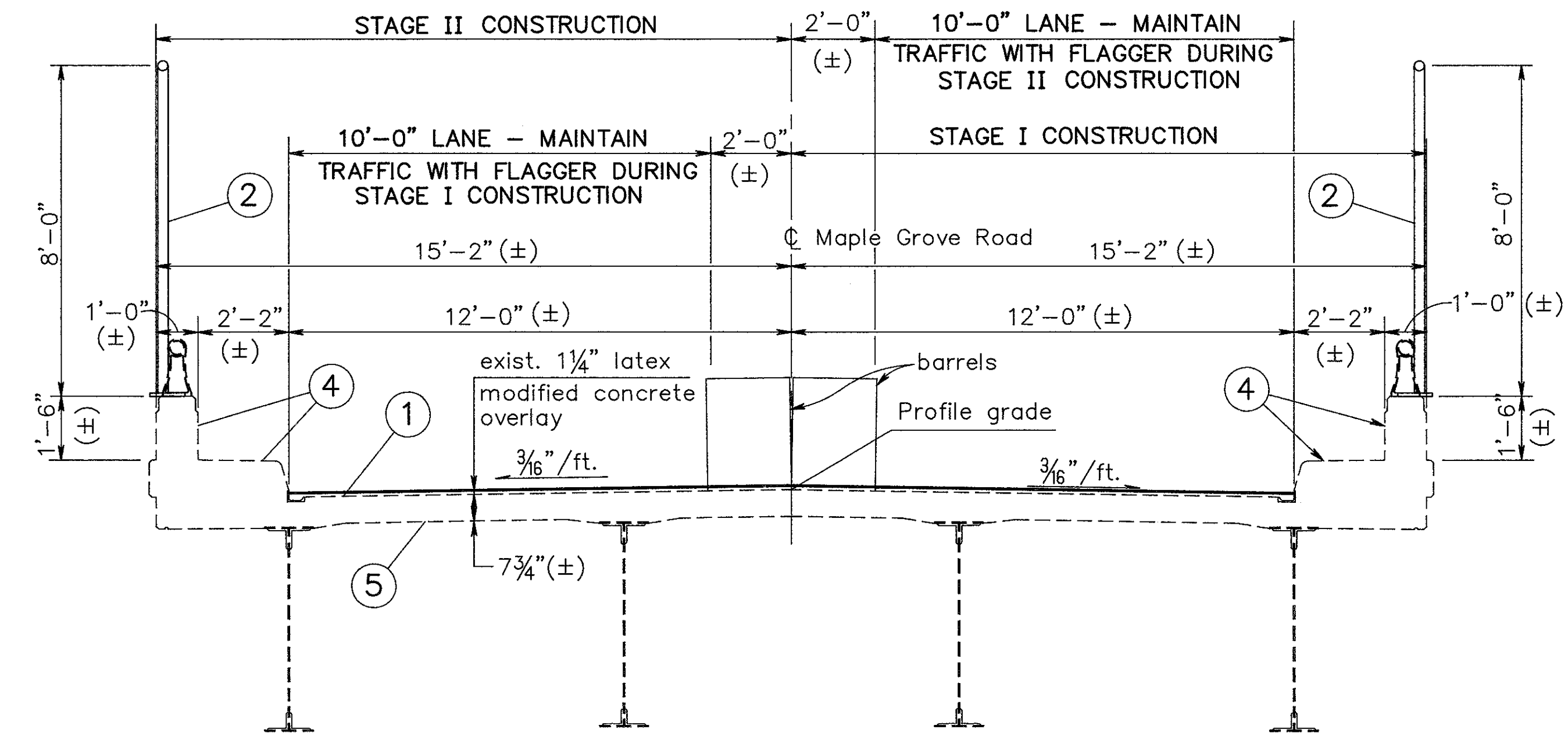
Item Description	Detail Location
① Wearing surface treatment with HMWM resin	Gen. Notes
② Install vandal protection fence	Gen. Notes & sheet 22/22
③ Retrofit pin & hanger assemblies	Gen. Notes & sheet 19/22
③A Retrofit fixed hinge joint	Gen. Notes & sheet 21/22
④ Patch & seal concrete surfaces	Gen. Notes
⑤ Deck bottom repair	Gen. Notes
⑥ Slope repair and protection	Gen. Notes
⑦ Miscellaneous structural steel repair	Gen. Notes & sheet 21/22
⑧ Plug existing scupper	Gen. Notes
⑨ Seal expansion joint with poured polyurethane joint seal	Gen. Notes
⑩ Modify existing scupper	Gen. Notes

EXISTING STRUCTURES

TYPE: 6 Continuous spans – steel beams and plate girders with reinforced concrete deck & substructure.
 SPANS: 62'(hinge)–148.33'–112'(hinge)–112'–121.50'–95'
 ROADWAY: 24'–0" f/f 2'–2" safety curbs
 LOAD FREQUENCY: C.F. = 130(57)
 SKEW: 50°37'45" L.F.
 WEARING SURFACE: 3/4" monolithic concrete + 1/4" latex modified concrete overlay
 APPROACH SLAB: Special design (25' long)
 ALIGNMENT: Tangent
 SUPERELEVATION: None

MODIFIED STRUCTURES

TYPE: 6 Continuous spans – steel beams and plate girders with reinforced concrete deck & substructure.
 SPANS: 62'(hinge)–148.33'–112'(hinge)–112'–121.50'–95'
 ROADWAY: 24'–0" f/f 2'–2" safety curbs
 LOAD FREQUENCY: C.F. = 130(57)
 SKEW: 50°37'45" L.F.
 WEARING SURFACE: Existing overlay treated with HMWM resin
 APPROACH SLAB: Special design (25' long)
 ALIGNMENT: Tangent
 SUPERELEVATION: None



TRANSVERSE SECTION
SCALE IN FEET
0 2 4 8

Location	519	SPECIAL
	Patching concrete structures, as per plan	Patching concrete with trowelable mortar
	Est. Quant. – SQ. FT.	Est. Quant. – SQ. FT.
Curbs	1162	
Parapets		127
Piers		74
Abutments		151
Wingwalls		4
50% Expansion Factor	581	178
Total	1743	534

Survey date: 2-5-92

12/22

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

GENERAL PLAN & TRANSVERSE SECTION
BRIDGE NO. LAK-90-0380
UNDER MAPLE GROVE ROAD

LAKE COUNTY STA. 145+98.94

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