

GENERAL PLAN
SCALE IN FEET
0 20 40

INDEX OF PROPOSED WORK ITEMS

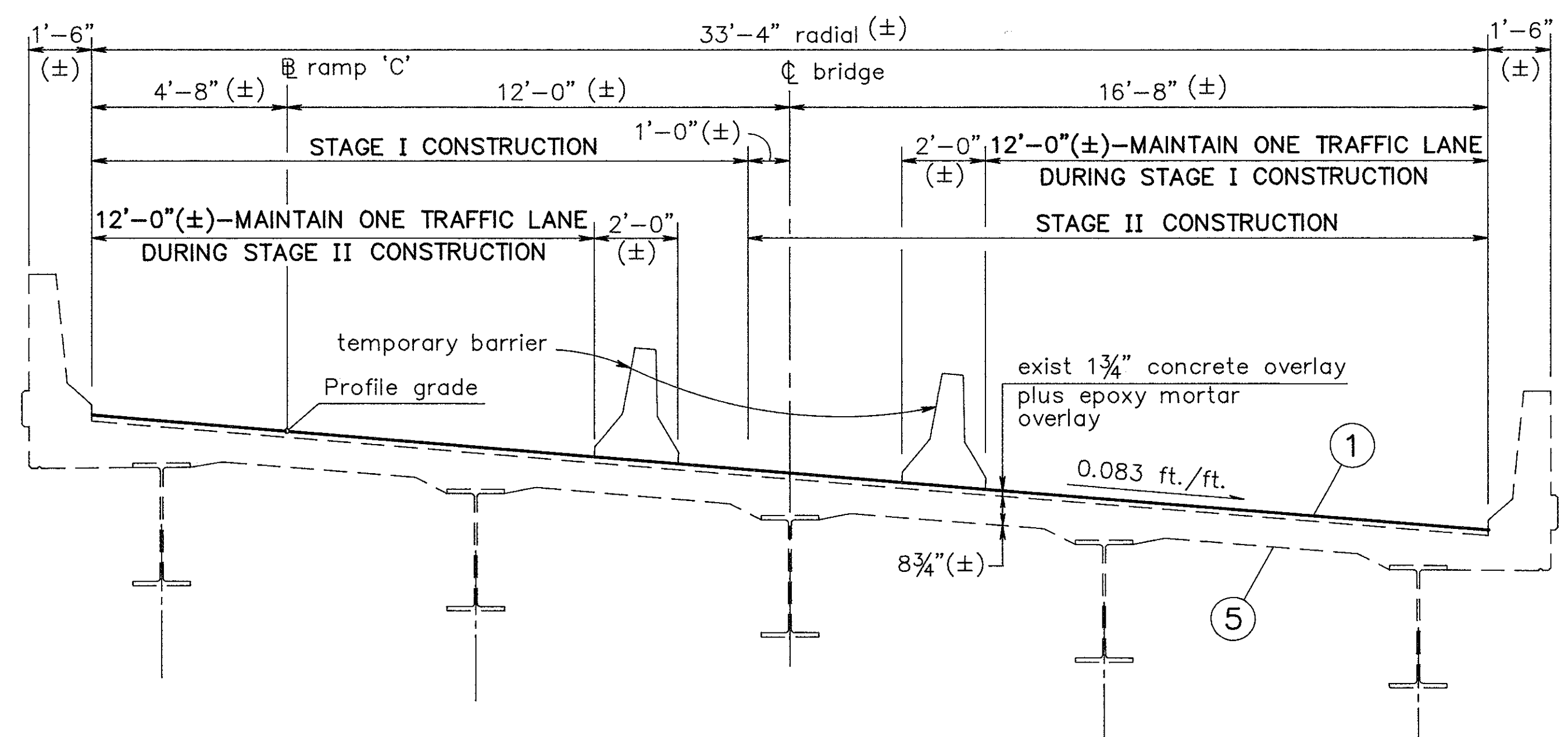
Item Description	Detail Location
① Patch, inject, seal & groove existing overlay	Gen. Notes & Trans. Section
② Retrofit pin & hanger assemblies	Gen. Notes & sheet [19/22]
③ Replace transverse expansion joint	Gen. Notes & sheet [20/22]
④ Slope repair & protection	Gen. Notes
⑤ Deck bottom repair	Gen. Notes
⑥ Plug existing scupper	Gen. Notes
⑦ Seal expansion joint with poured polyurethane joint seal	Gen. Notes
⑧ Modify existing scupper	Gen. Notes
⑨ Miscellaneous structural steel repair	Gen. Notes & sheet [20/22]

EXISTING STRUCTURE

TYPE: Continuous steel beam with reinforced concrete deck & substructure.
 SPANS: 81'-90'-81'-86'(hinge)-88'-88'-69' c/c bearings = 583.00'
 ROADWAY: 23'-4" t/t deflector parapets
 LOAD FREQUENCY: C.F. = 2000(57)
 Adequate for AASHO alternate loading.
 SKEW: 29°31'40" R.F.
 WEARING SURFACE: 1" monolithic concrete + 1 3/4" concrete overlay with epoxy mortar overlay
 APPROACH SLAB: Special design (25' long)
 ALIGNMENT: 6°00'00" right curve
 SUPERELEVATION: .083' per ft.

MODIFIED STRUCTURE

TYPE: Continuous steel beam with reinforced concrete deck & substructure.
 SPANS: 81'-90'-81'-86'(hinge)-88'-88'-69' c/c bearings = 583.00'
 ROADWAY: 23'-4" t/t deflector parapets
 LOAD FREQUENCY: C.F. = 2000(57)
 Adequate for AASHO alternate loading.
 SKEW: 29°31'40" R.F.
 WEARING SURFACE: Existing overlay repaired
 APPROACH SLAB: Special design (25' long)
 ALIGNMENT: 6°00'00" right curve
 SUPERELEVATION: .083' per ft.



TRANSVERSE SECTION
SCALE IN FEET
0 2 4 6 8

10/22

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

GENERAL PLAN & TRANSVERSE SECTION
BRIDGE NO. LAK-271-0145 SW
UNDER EUCLID SPUR (RAMP "C")

LAKE COUNTY STA. 77+49.90

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