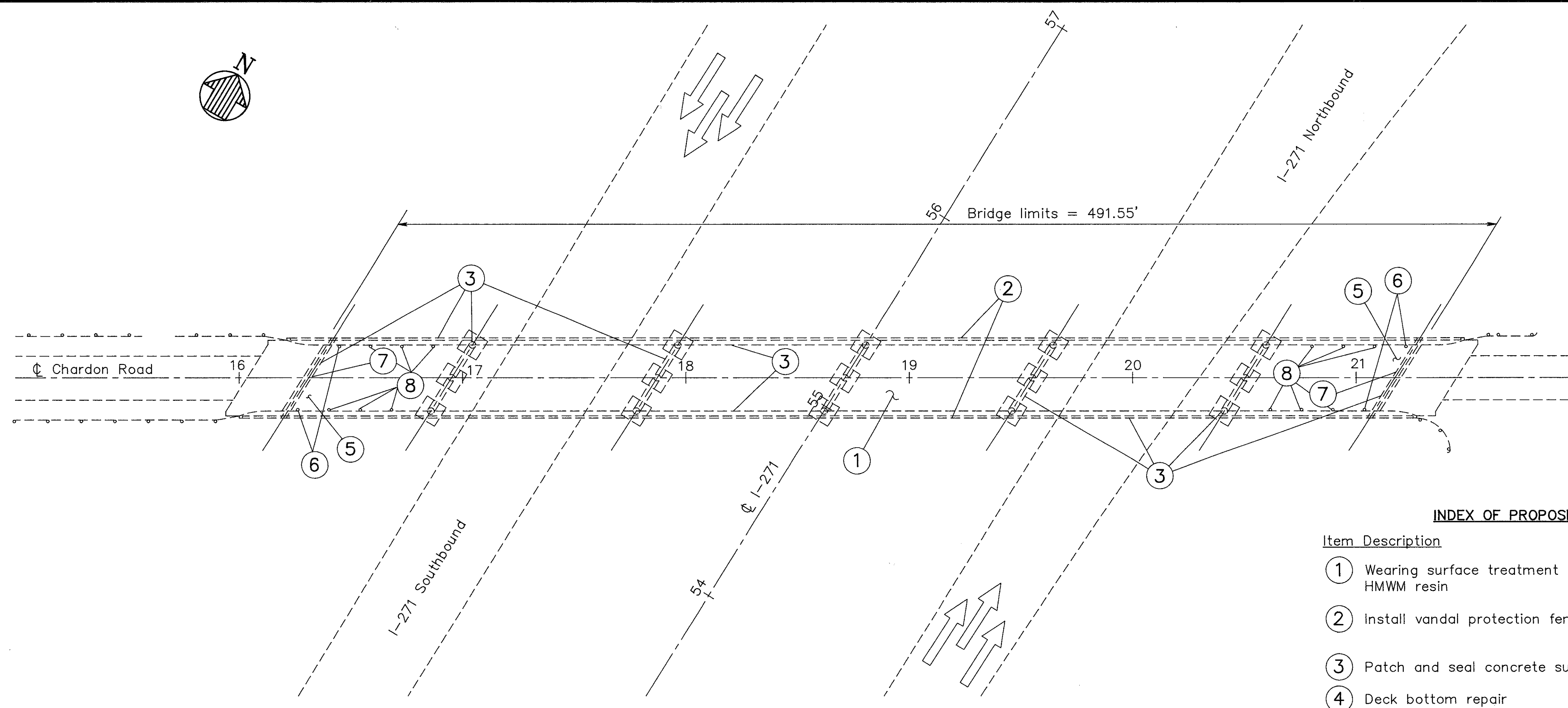


Location	519	SPECIAL
	Patching concrete structures, as per plan Est. Quant. - SQ. FT.	Patching concrete with trowelable mortar Est. Quant. - SQ. FT.
Curbs	3	
Parapets		24
Piers		195
Abutments		23
Wingwalls		
50% Expansion Factor	2	121
<b>Total</b>	<b>5</b>	<b>363</b>

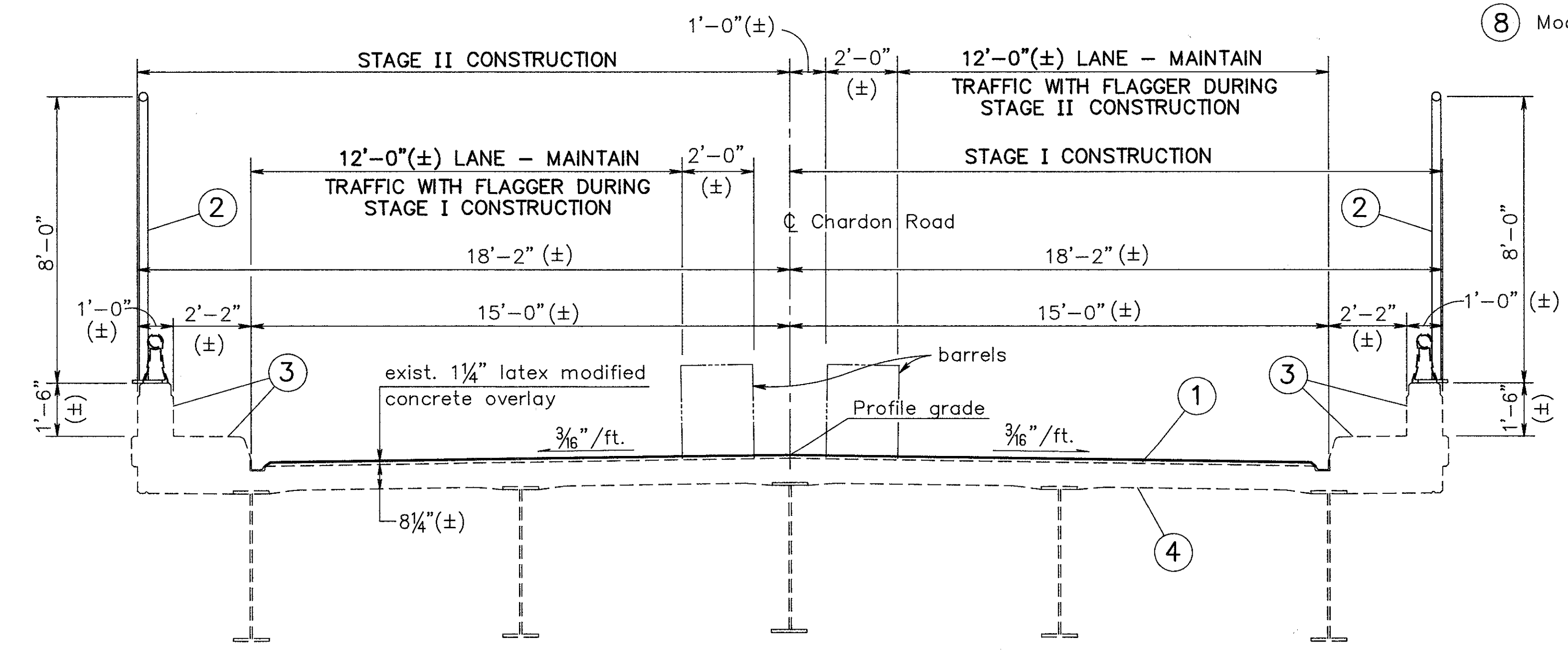
Survey date: 2-4-92



**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	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



**TRANSVERSE SECTION**  
SCALE IN FEET  
0 2 4 8

**EXISTING STRUCTURES**

TYPE: Continuous welded steel plate girders with reinforced concrete deck & substructure.  
SPANS: 64'-92'-84'-84'-95.25'-67' c/c bearings  
ROADWAY: 30'-0" f/f 2'-2" safety curbs  
LOAD FREQUENCY: C.F. = 400(57).  
SKEW: 31°52'50" L.F.  
WEARING SURFACE: 1" monolithic concrete + 1 1/4" latex modified concrete overlay  
APPROACH SLAB: Special design (25' long)  
ALIGNMENT: Tangent  
SUPERELEVATION: None

**MODIFIED STRUCTURES**

TYPE: Continuous welded steel plate girders with reinforced concrete deck & substructure.  
SPANS: 64'-92'-84'-84'-95.25'-67' c/c bearings  
ROADWAY: 30'-0" f/f 2'-2" safety curbs  
LOAD FREQUENCY: C.F. = 400(57).  
SKEW: 31°52'50" L.F.  
WEARING SURFACE: Existing overlay treated with HMWM resin  
APPROACH SLAB: Special design (25' long)  
ALIGNMENT: Tangent  
SUPERELEVATION: None

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

**GENERAL PLAN & TRANSVERSE SECTION**  
BRIDGE NO. LAK-271-0105  
UNDER CHARDON ROAD

LAKE COUNTY STA. 55+15.53

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