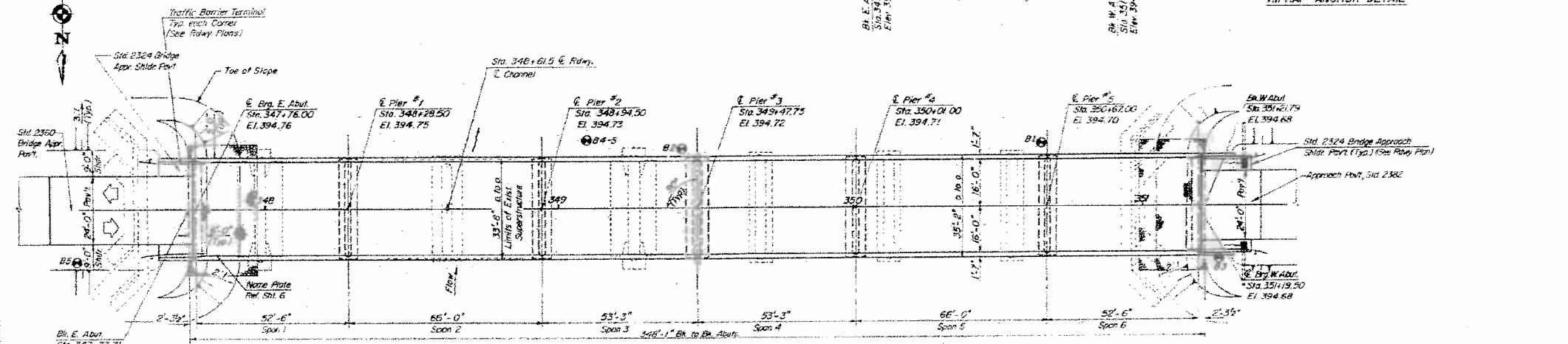
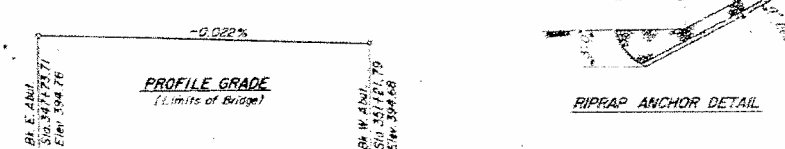
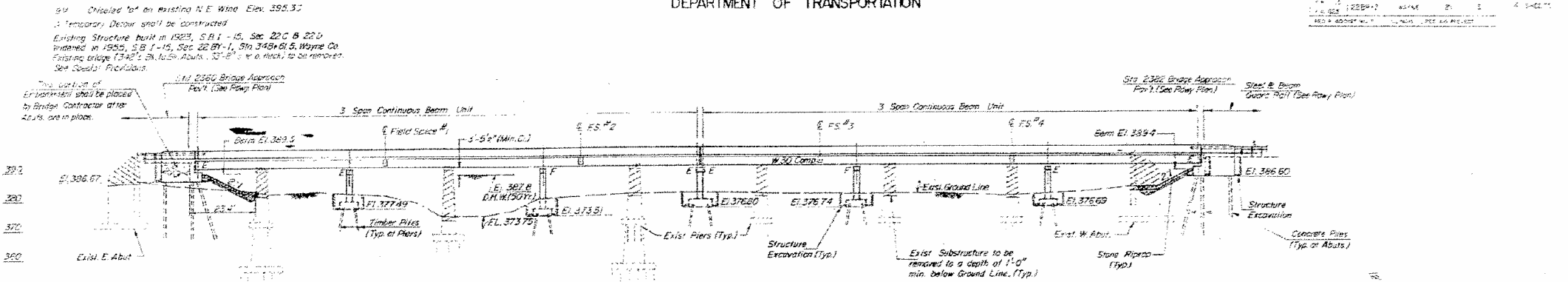


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	BY	CHKD	APPV	SCALE
12/28/14	STEFFENK			AS SHOWN
REVISED	BY	CHKD	APPV	SCALE

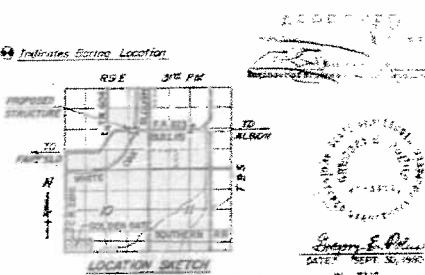


WATERWAY INFORMATION

Drainage Area	5.6 Sq. Mi.	Low Grade Elev.	394.68 @ Sta. 351+19.50						
Flood	Yr.	Q	C.F.S.	Opening	Sta. Fl.	Not. Prop.	H.W.E.	Hood - Fl.	Headwater E1
Design	50	7,940	2,145	2,336	387.8	0.34	388.14		
Base	100	9,053			389.0	0.40	388.40		
Overlapping									
Max. Conc.	300								

DESIGN STRESSES

$f_c = 3,500$ p.s.i. (Super)
 $f_c = 1,400$ p.s.i. (Sub.)
 $f_t = 50,000$ p.s.i. (Reinf. Steel)
 $f_y = 50,000$ p.s.i. (Reinf. Bars shall be used in Top of Deck @ Limit Face of Deck)
 $f_y = 24,000$ p.s.i. (Reinf. Bars @ 20")
 $n = 9$ (for Composite)
 Allowable F.W.S. = 25 p.s.f.
 Loading HS 20-44
 Lesly's Specifications 1977 AASHTO & 70, 75, & 80 Editions as Applicable
 LOAD FACTOR DESIGN (except substructure)



GENERAL PLAN & ELEVATION
 FA. RTE. 823 (S) & RTE. 151 (W) OVER
 WHITE OAK SLOUGH
 SECTION 22 BR-3
 WAYNE COUNTY
 STATION 348+61.5

DESIGNED	E.F.V.
CHECKED	G.E.P.
DRAWN	J.D.T.
CHECKED	G.E.P.