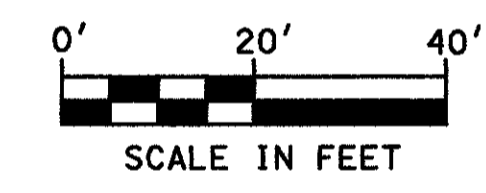
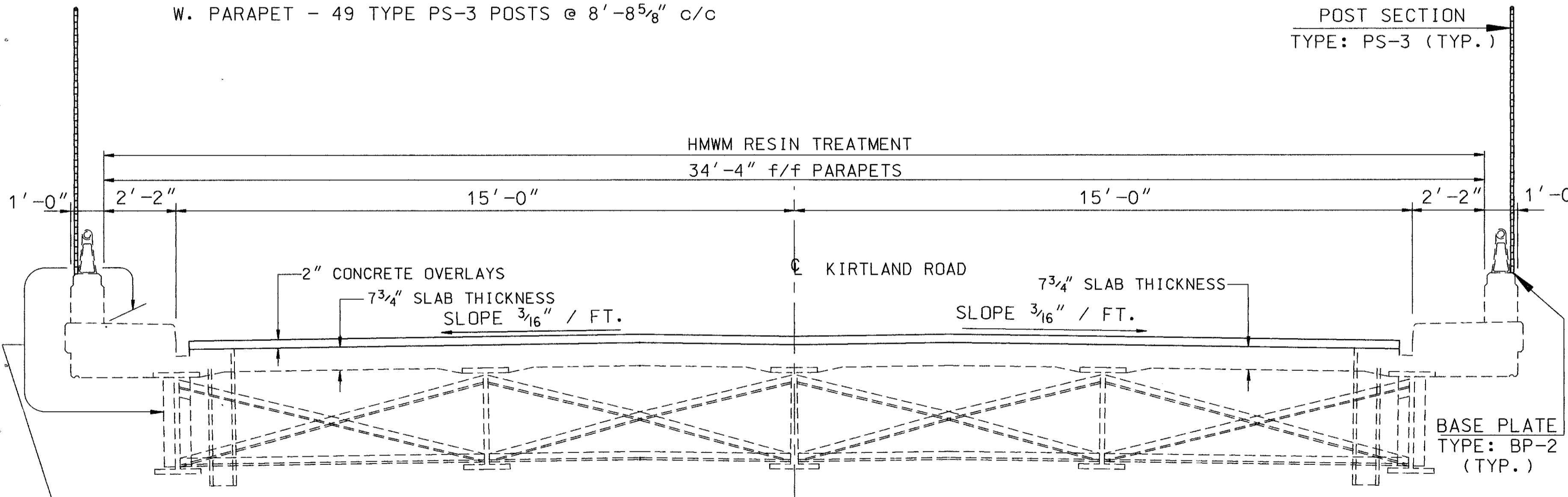


PLAN

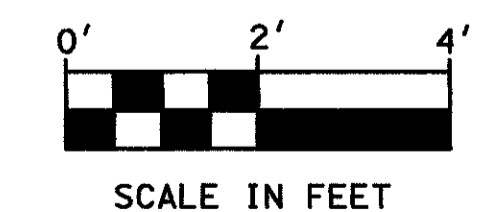


SEE SHEET 120 OF 182 FOR GUARDRAIL AND TERMINAL ASSEMBLY DETAIL

\* FENCE POST TABULATION:  
E. PARAPET - 49 TYPE PS-3 POSTS @ 8'-8 5/8" c/c  
W. PARAPET - 49 TYPE PS-3 POSTS @ 8'-8 5/8" c/c



TRANSVERSE SECTION



SURVEY DATE: 10-02-91

SUMMARY OF REPAIR QUANTITIES

LOCATION	ITEM 519 PATCHING CONC. STRUCTURE, AS PER PLAN	ITEM - SPECIAL EPOXY INJECTION	ITEM - SPECIAL PATCHING CONC. STRUCTURE W/ TROWELABLE MORTAR
	PATCHING REPAIR (S. F.)	CRACK REPAIR (L. F.)	PATCH REPAIR (S. F.)
	MEASURED	MEASURED	MEASURED
PARAPETS			6
SAFETY CURBS	9		
BACKWALLS & ABUTMENTS		13	6
PIERS & CAPS			6
UNDERSIDE OF DECK			12
200% EXPANSION FACTOR	18	26	60
TOTAL	27	39	90

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED  
CONCRETE DECK & SUBSTRUCTURE.  
SPANS: 54'-0", 77'-0", 77'-0", 77'-0",  
66'-6" c/c BEARINGS.  
ROADWAY: 30'-0" f/f OF 2'-2" SAFETY CURBS  
LOAD FREQUENCY: CF= 130  
SKEW: 22° 40' 47"  
WEARING SURFACE: CONCRETE OVERLAY  
APPROACH SLABS: 25' LONG  
ALIGNMENT: TANGENT

PROPOSED WORK:

1. SLOPE REPAIR AND PROTECTION.
2. PATCHING AND SEALING OF CONCRETE SURFACES.
3. PEDESTRIAN FENCE INSTALLATION.
4. WEARING SURFACE HMWM TREATMENT.
5. EPOXY INJECTION REPAIR OF DECK.
6. GUARDRAIL INSTALLATION.
7. END CROSS FRAME REPLACEMENT

RALPH C. TYLER, P.E., P.S., INC.  
CIVIL ENGINEERS & LAND SURVEYORS  
2143 FAIRHILL RD., CLEVELAND, OHIO 44106

GENERAL PLAN &  
TRANSVERSE SECTION  
KIRTLAND ROAD  
LAK-90-0711

DESIGNED R.J.K.	DRAWN R.L.	CHECKED K.P.	REVIEWED R.C.T.	REVISED DATE	SHEET
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TADON LAK-90-STRUCTURE 577-ASP.DGN