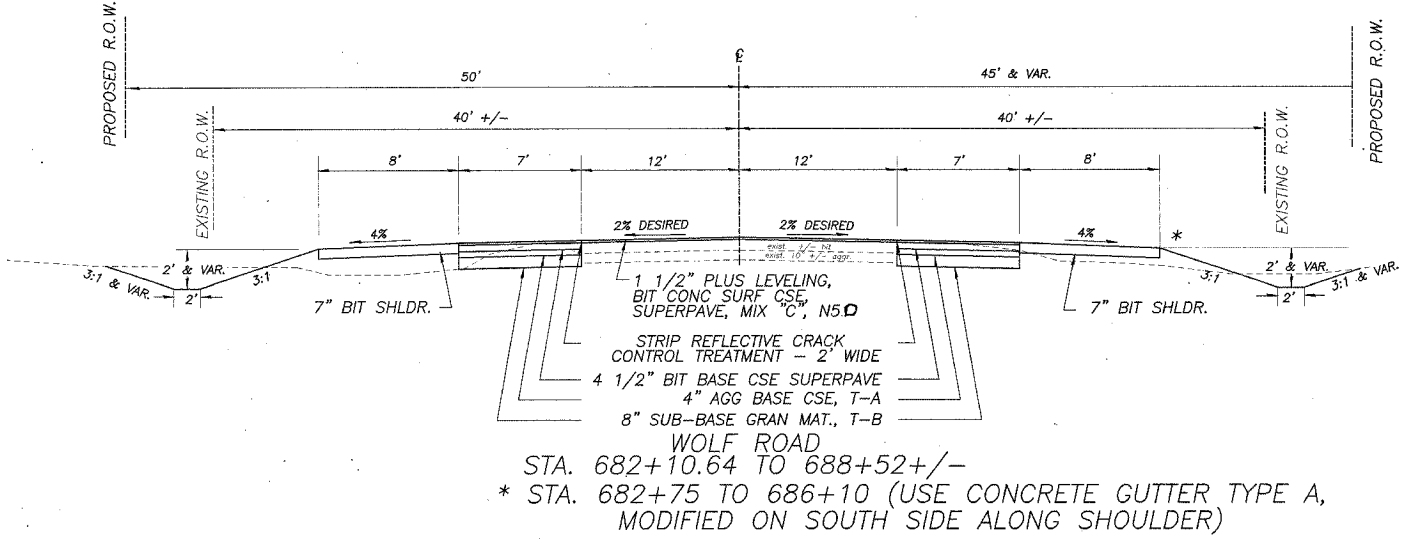
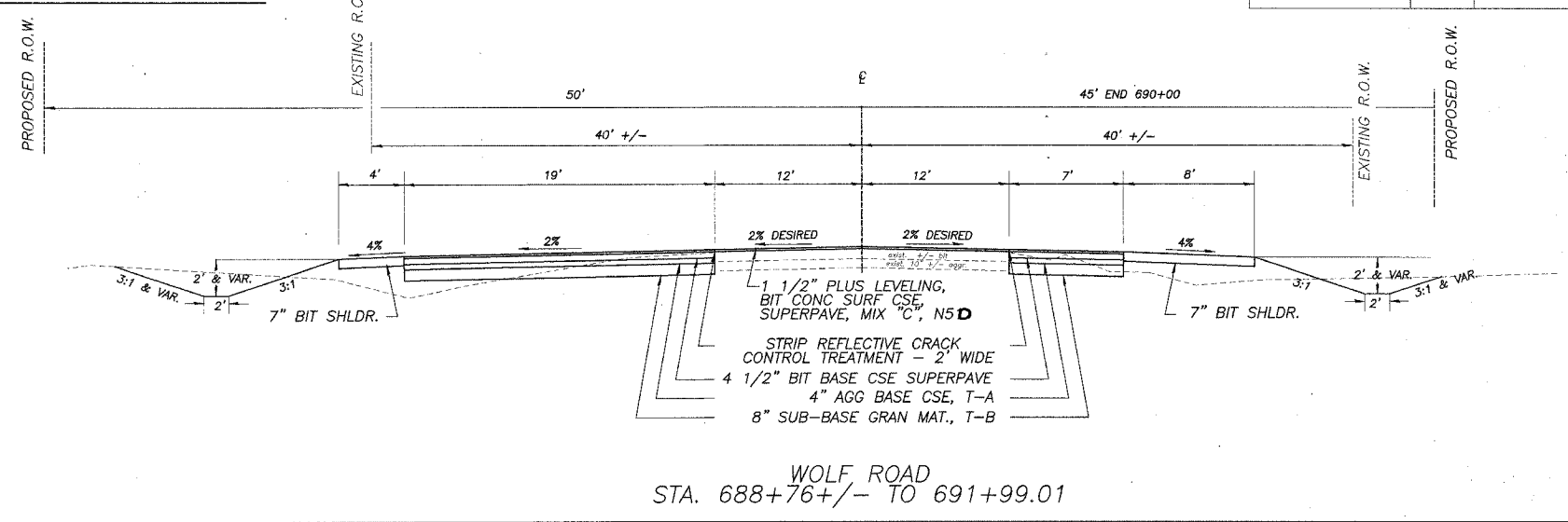
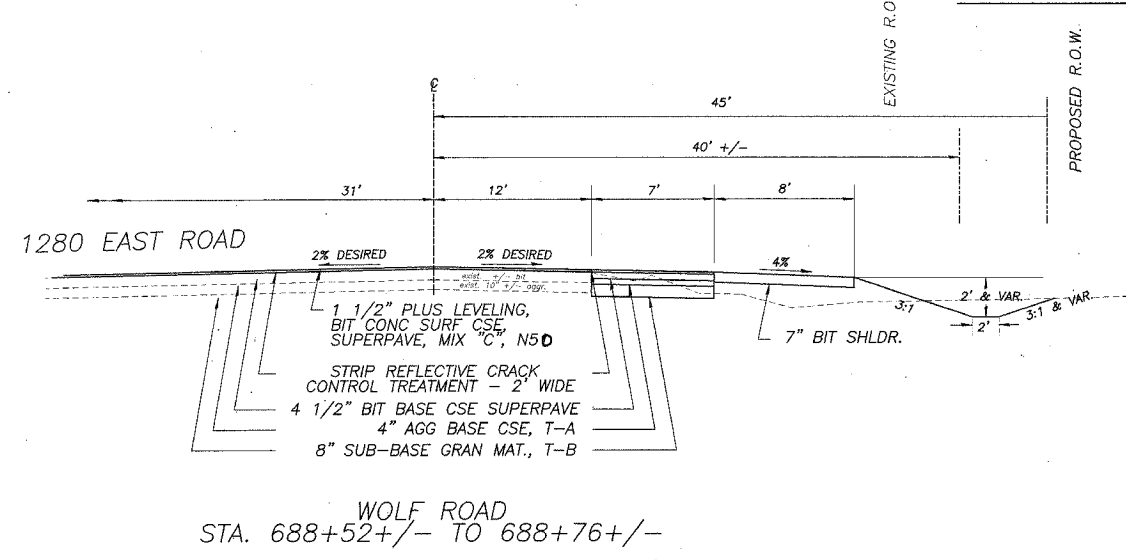


TYPICAL SECTIONS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B. 1. P.A. 224	04-00137-03-FP	HENRY	31	3
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT 58-224(107)	



MIXTURE USE(S)	SURFACE	SHOULDER	BIT BASE CSE
PG:	PG 58-22	PG 58-22	PG 58-22
RAP%: (MAX)	15	30	50
DESIGN AIR VOIDS	3 @ N50	3 @ N50	2 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5 OR 12.5	BAM
FRICTION AGGREGATE	C	C	N/A
20 YEAR ESAL	0.185	N/A	N/A

WOLF ROAD PAVEMENT STRUCTURAL DESIGN
80,000 LB. DESIGN

BITUMINOUS BASE COUSE MIN. MS 1700 P.C. 5820
S.U. 20 > 5880 ADT
M.U. 40

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2014
CLASS II ROAD
MINIMUM SOIL SUPPORT: IBR=3.0 ASSUMED
T.F. = 0.185 ; D_t = 3.3

PAVEMENT STRUCTURE MATERIALS
SURFACE COURSE TYPE: SUPERPAVE, MIX "C", N50; a₁ = 0.40 (1.5") = 0.60
BASE COURSE TYPE: BIT. BINDER TYPE 2 a₂ = 0.33 (4.5") = 1.49
SUBBASE TYPE: AGGR. 4" T-A OVER 8" T-B a₃ = 0.11 (12") = 1.32
ACTUAL D_t = 3.41

