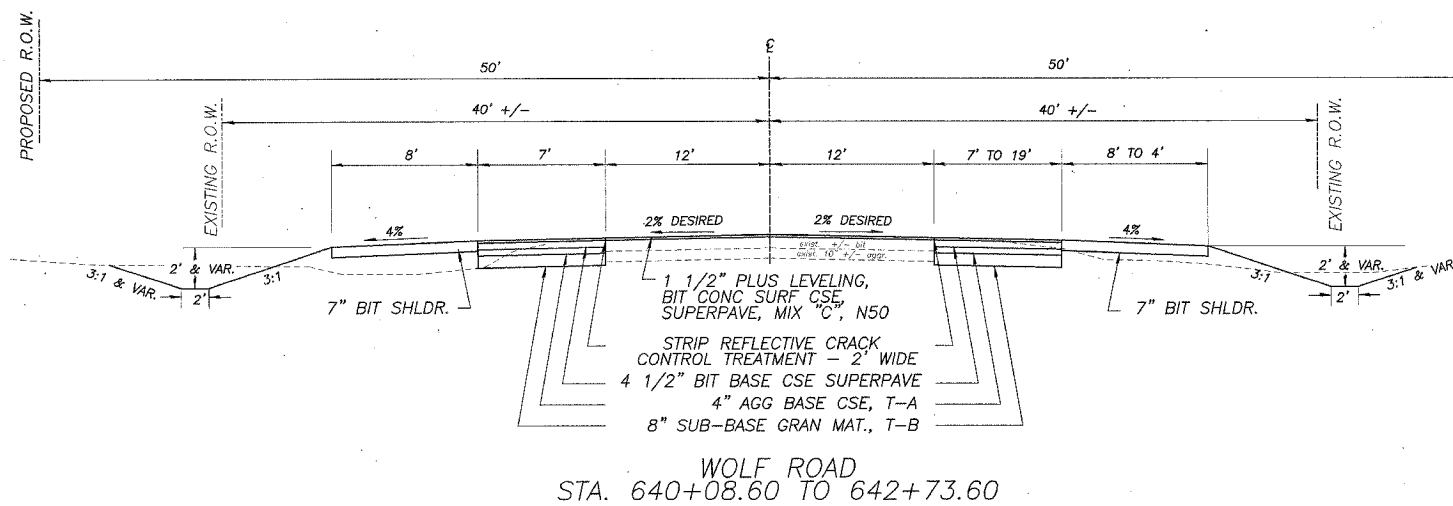
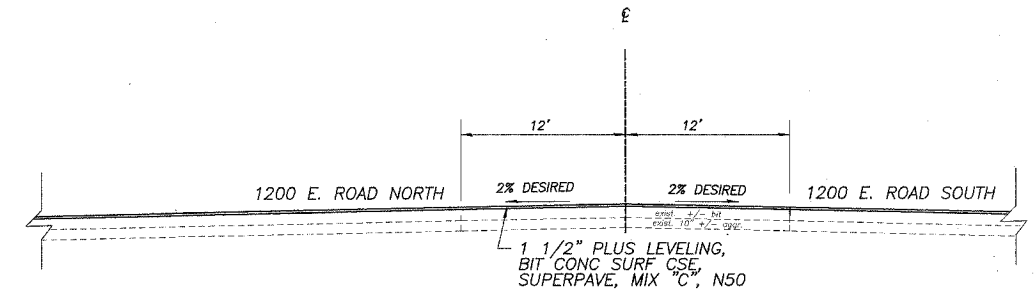
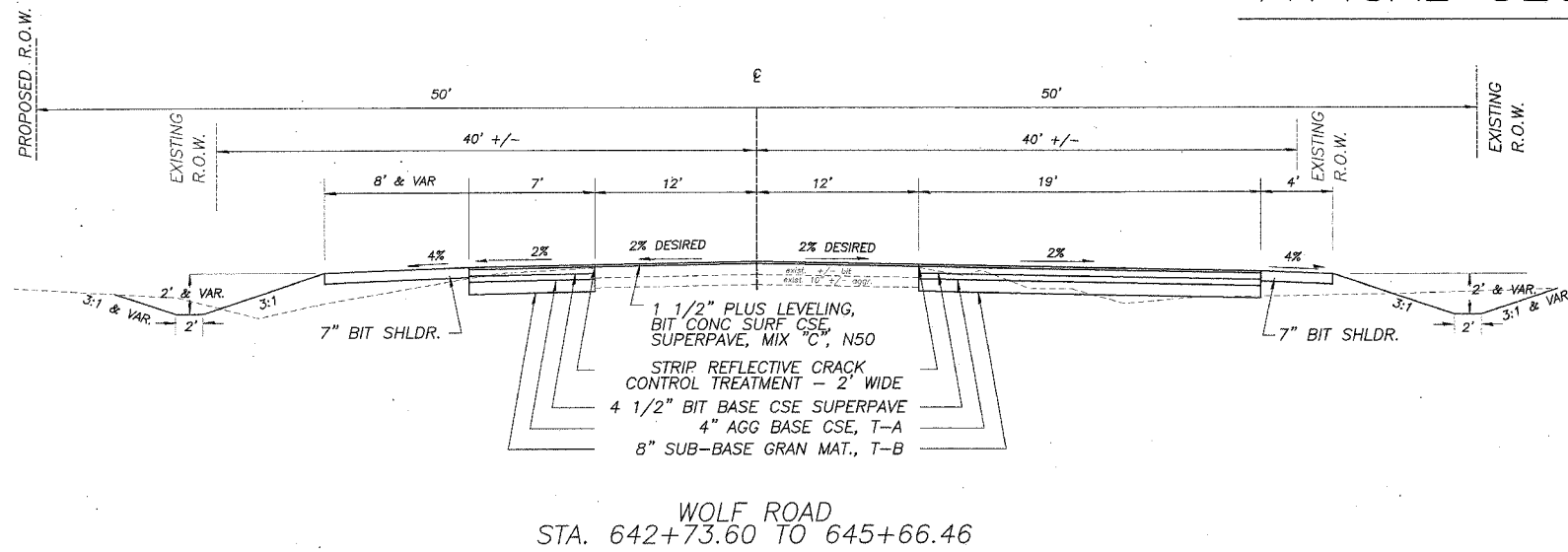


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A. 224	04-00137-02-FP	HENRY	23	3
FED. ROAD DIST. NO. T	ILL. TMS	FED. AID PROJECT 99-0241(09)		

TYPICAL SECTIONS



**WOLF ROAD
PAVEMENT STRUCTURAL DESIGN**

80,000 LB. DESIGN

BITUMINOUS BASE COUSE MIN. MS 1700 P.C. 5820

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2014 S.U. 20 5880 ADT

CLASS II ROAD M.U. 40

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: SUPERPAVE 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

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
FRICITION AGGREGATE	C	C	N/A
20 YEAR ESAL	0.185	N/A	N/A

