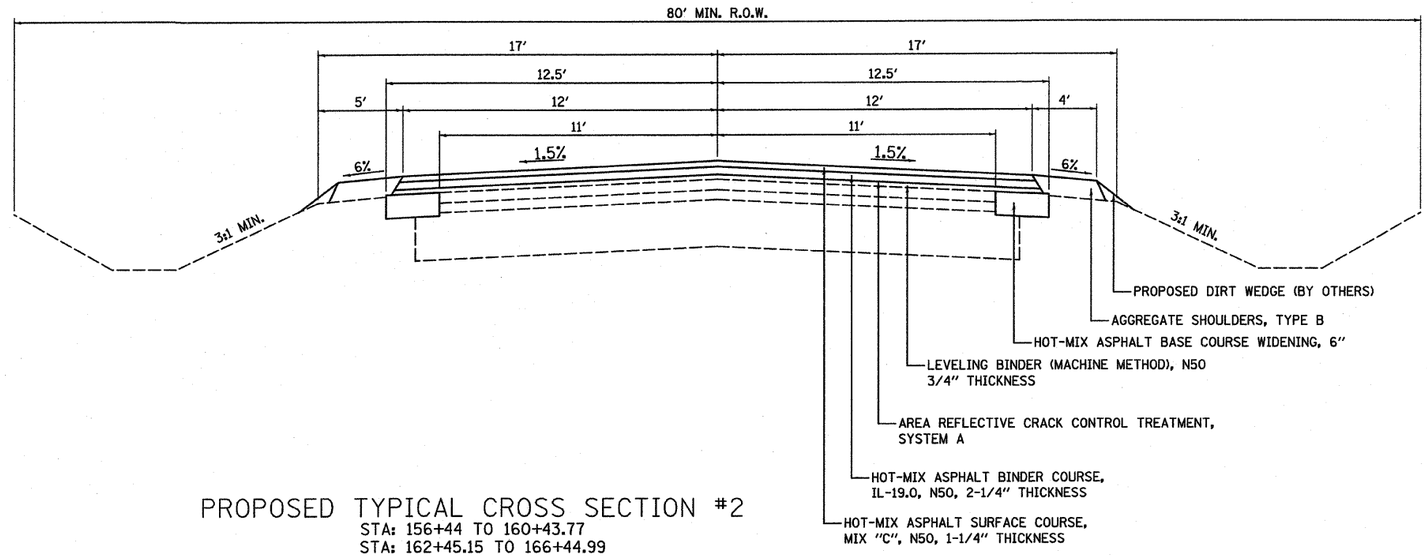
PIPELINE RD (CH 31)

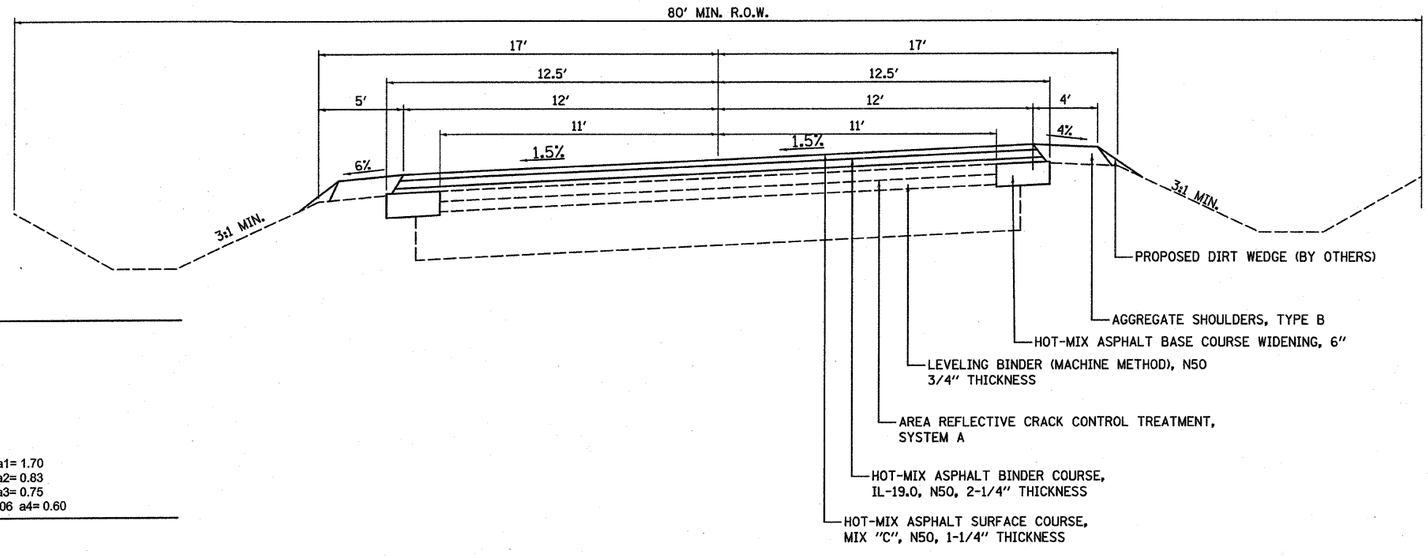
PROPOSED TYPICAL CROSS SECTION #1

STA: 87+54 TO 156+44
STA: 160+43.77 TO 162+45.15
STA: 166+44.99 TO 240+12.50
(OMISSION STA: 80+27.50 TO STA: 87+54)
(OMISSION STA: 240+12.5 TO STA: 241+02.50)



PROPOSED TYPICAL CROSS SECTION #2

STA: 156+44 TO 160+43.77
STA: 162+45.15 TO 166+44.99



STRUCTURAL DESIGN DATA 80,000# PROPOSED TYPICAL

CLASS III ROAD DESIGN PERIOD 20 YEARS
STRUCTURAL DESIGN TRAFFIC: 2440 YEAR: 2018
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:
P.C. 88% S.U. 7% M.U. 5%
P.C. 2147 S.U. 171 M.U. 122
MINIMUM SOIL SUPPORT: IBR= 3.0
TRAFFIC FACTOR (T.F.)= 0.533
STRUCTURAL NUMBER (Dt): 3.8
PAVEMENT STRUCTURE MATERIALS:

SURFACE: PROPOSED HOT-MIX ASPHALT	4.25" @ 0.40	a1= 1.70
BASE: EXISTING BITUMINOUS CONCRETE	2.75" @ 0.30	a2= 0.83
BASE: EXISTING BITUMINOUS CONCRETE	3.25" @ 0.23	a3= 0.75
SUBBASE: EXISTING AGGREGATE BASE COURSE	10" @ 0.06	a4= 0.60

PROPOSED (Dt) TOTAL= 3.88

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED –	REVISED –
		DRAWN – EJG	REVISED –
	PLOT SCALE = $SCALE$	CHECKED –	REVISED –
	PLOT DATE = $DATE$	DATE –	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: NO SCALE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	07-00073-09-WR	McLEAN	8	3
		CONTRACT NO. 91434		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		