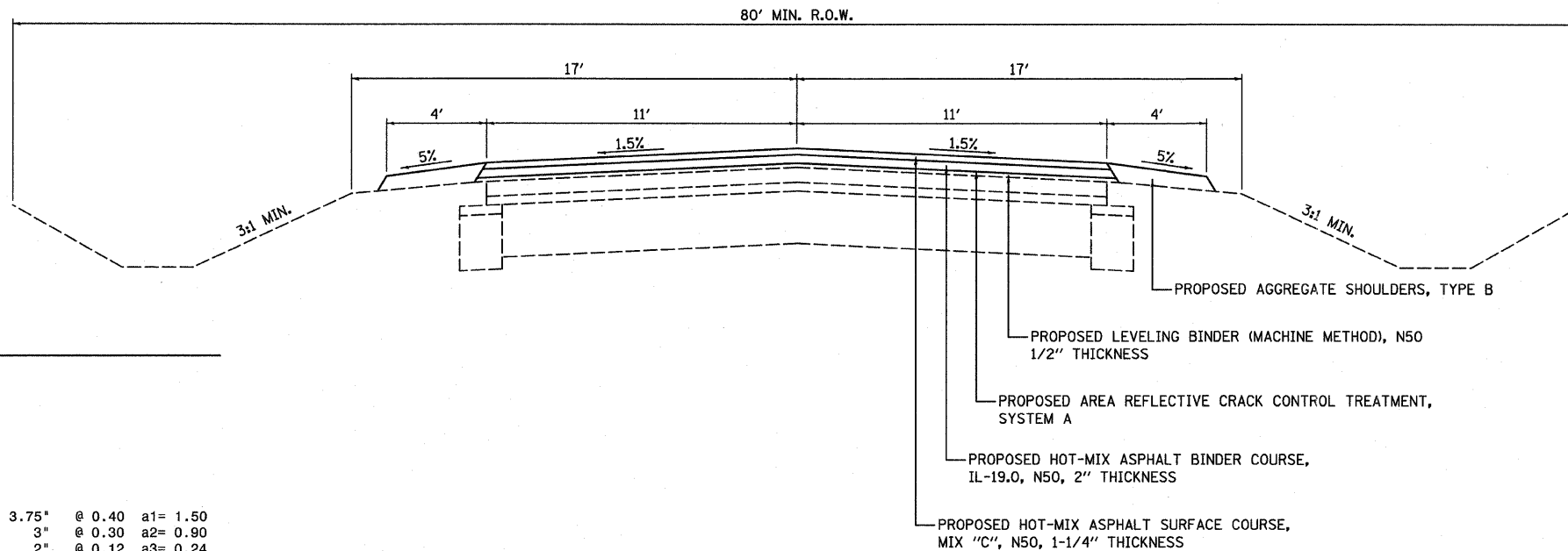


PROPOSED TYPICAL CROSS SECTION 1

SEC. 07-00058-06-WR
 HORSEFARM RD (CH 21)
 STA: 0+92.96 TO 17+50
 STA: 52+50 TO 75+00
 STA: 87+97 TO 99+79



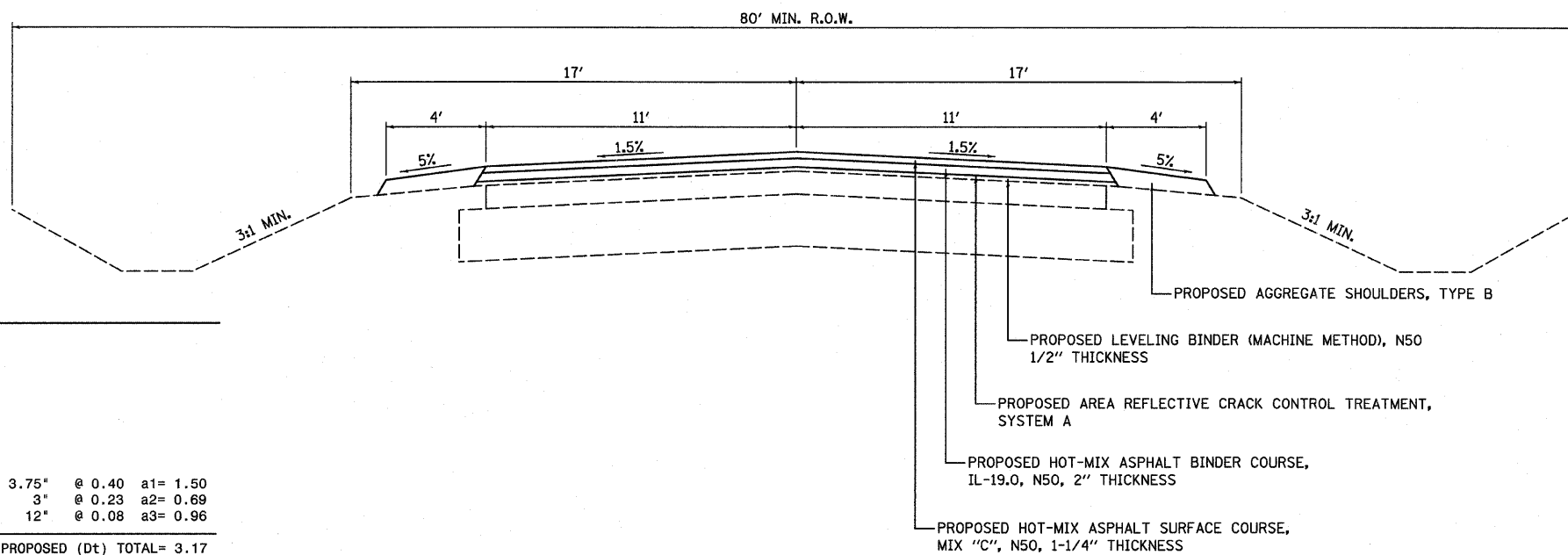
STRUCTURAL DESIGN DATA 80,000# PROPOSED TYPICAL 1

CLASS III ROAD DESIGN PERIOD 20 YEARS
 STRUCTURAL DESIGN TRAFFIC: 3416 YEAR: 2018
 PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:
 P.C. 88% S.U. 7% M.U. 5%
 P.C. 3006 S.U. 239 M.U. 171
 MINIMUM SOIL SUPPORT: IBR= 3.0
 TRAFFIC FACTOR (T.F.)= 0.922
 STRUCTURAL NUMBER (Dt): 2.9
 PAVEMENT STRUCTURE MATERIALS:
 SURFACE: PROPOSED HOT-MIX ASPHALT 3.75" @ 0.40 a1= 1.50
 BASE: EXISTING BITUMINOUS CONCRETE 3" @ 0.30 a2= 0.90
 BASE: EXISTING OIL & CHIP SURFACE TREATMENT 2" @ 0.12 a3= 0.24
 SUBBASE: EXISTING AGGREGATE BASE COURSE 8" @ 0.06 a4= 0.48

PROPOSED (Dt) TOTAL= 3.12

PROPOSED TYPICAL CROSS SECTION 2

SEC. 07-00058-06-WR
 HORSEFARM RD (CH 21)
 STA: 17+50 TO 52+50
 STA: 75+00 TO 87+97
 STA: 99+79 TO 127+57



STRUCTURAL DESIGN DATA 80,000# PROPOSED TYPICAL 2

CLASS III ROAD DESIGN PERIOD 20 YEARS
 STRUCTURAL DESIGN TRAFFIC: 3416 YEAR: 2018
 PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:
 P.C. 88% S.U. 7% M.U. 5%
 P.C. 3006 S.U. 239 M.U. 171
 MINIMUM SOIL SUPPORT: IBR= 3.0
 TRAFFIC FACTOR (T.F.)= 0.922
 STRUCTURAL NUMBER (Dt): 2.9
 PAVEMENT STRUCTURE MATERIALS:
 SURFACE: PROPOSED HOT-MIX ASPHALT 3.75" @ 0.40 a1= 1.50
 BASE: EXISTING BITUMINOUS CONCRETE 3" @ 0.23 a2= 0.69
 SUBBASE: EXISTING AGGREGATE BASE COURSE 12" @ 0.08 a3= 0.96

PROPOSED (Dt) TOTAL= 3.17

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN - E.JG	REVISED -					494	07-00058-06-WR	MOLEAN	8	3
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		CONTRACT NO. 91403			FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				
	PLOT DATE = #DATE#	DATE -	REVISED -		SCALE: NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.							