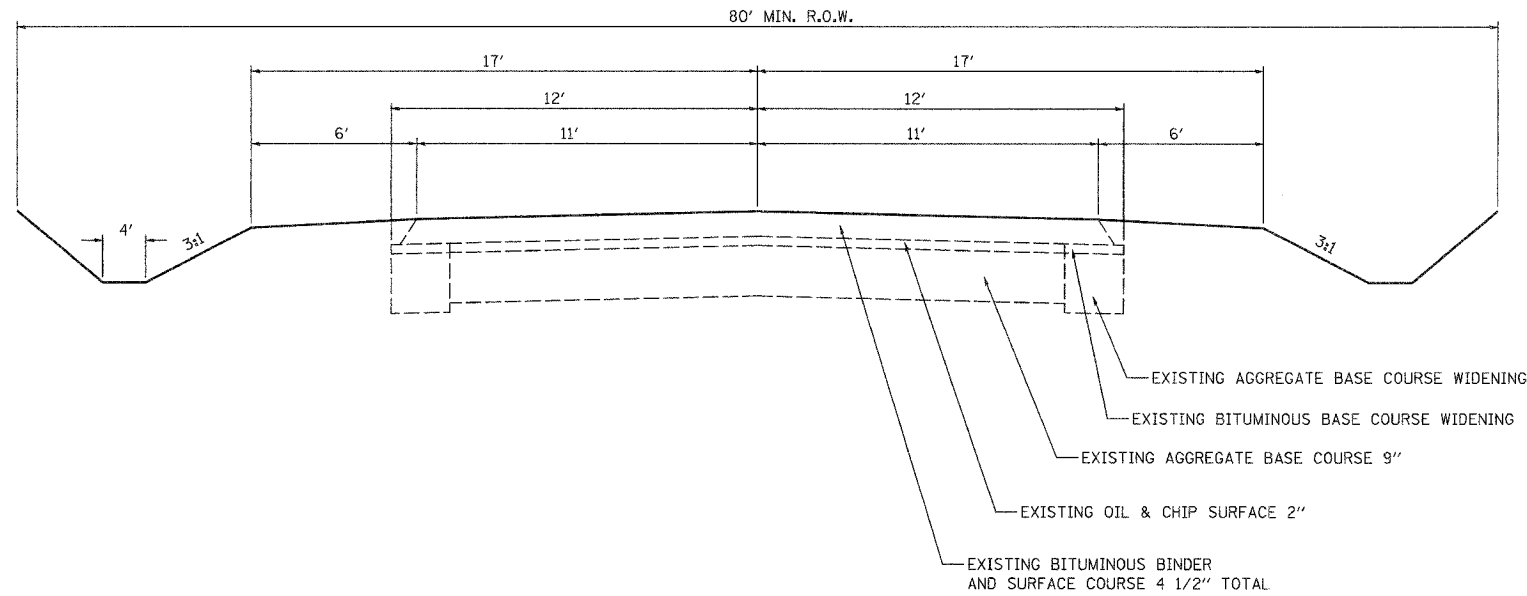


CO HWY	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	04-00044-08-WR	McLEAN	9	4

EXISTING TYPICAL CROSS SECTION #2

SEC. 04-00044-08-WR
 LEXINGTON-LEROY RD (CH 21)
 STA: 17+90 TO STA: 119+58
 STA: 120+02 TO STA: 165+65



STRUCTURAL DESIGN DATA 73,280#

CLASS III ROAD	DESIGN PERIOD 20 YEARS
STRUCTURAL DESIGN TRAFFIC: 1800	YEAR: 2016
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:	
P.C. 88%	S.U. 7% M.U. 5%
P.C. 1584	S.U. 126 M.U. 90
MINIMUM SOIL SUPPORT: IBR= 3.0	
TRAFFIC FACTOR (T.F.)= 0.393	
STRUCTURAL NUMBER (Dt): 3.7	
PAVEMENT STRUCTURE MATERIALS:	
SURFACE: PROPOSED BITUMINOUS SURFACE COURSE	4" @ 0.40 a1= 1.60
BASE: EXISTING BITUMINOUS CONCRETE	4.5" @ 0.30 a2= 1.35
BASE: EXISTING OIL & CHIP SURFACE	2" @ 0.16 a2= 0.32
SUBBASE: EXISTING AGGREGATE BASE COURSE	9" @ 0.10 a3= 0.90

PROPOSED (Dt) TOTAL= 4.17

PROPOSED TYPICAL CROSS SECTION #2

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