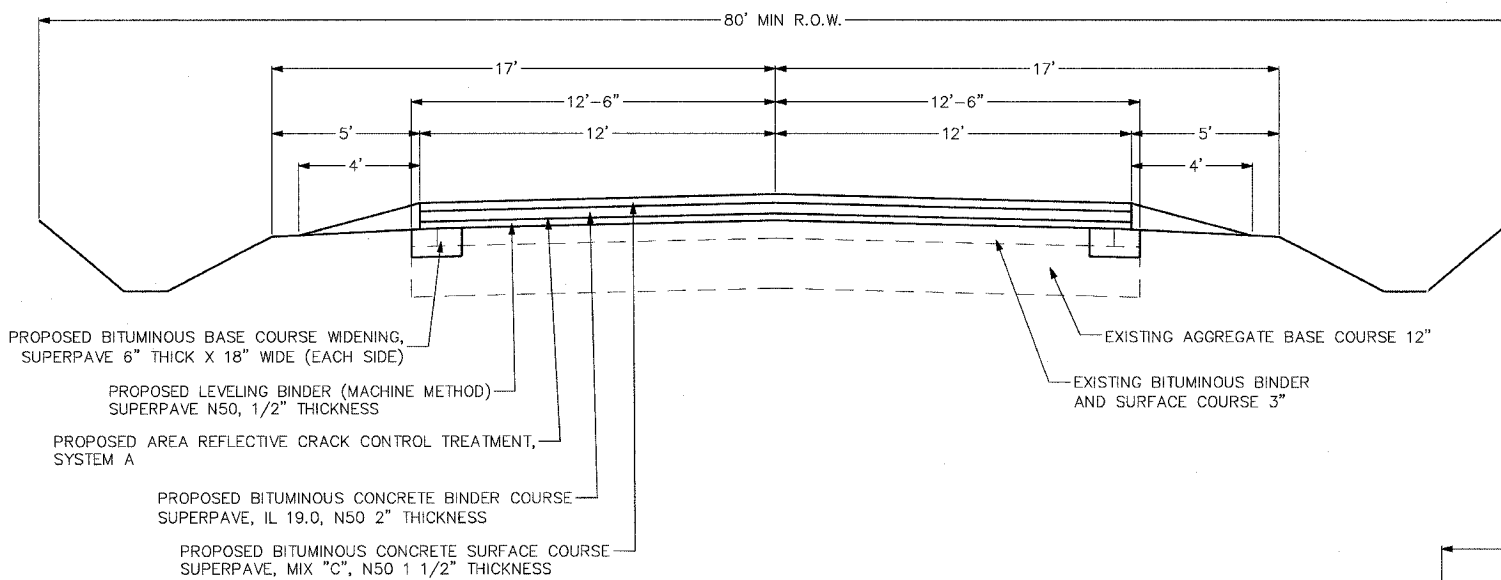


COUNTY HWY ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
21	*	McLEAN	3	2
FED. RD. DIST. #7 ILLINOIS PROJECT #				

* 02-00044-07-WR
CONTRACT NO. 87301

PROPOSED TYPICAL CROSS SECTION #1

SEC. 02-00044-07-WR
LEXINGTON-LEROY RD (CH 21)
STA: 216+00 - STA: 222+00
STA: 441+00 - STA: 447+00
STA: 486+00 - STA: 491+97



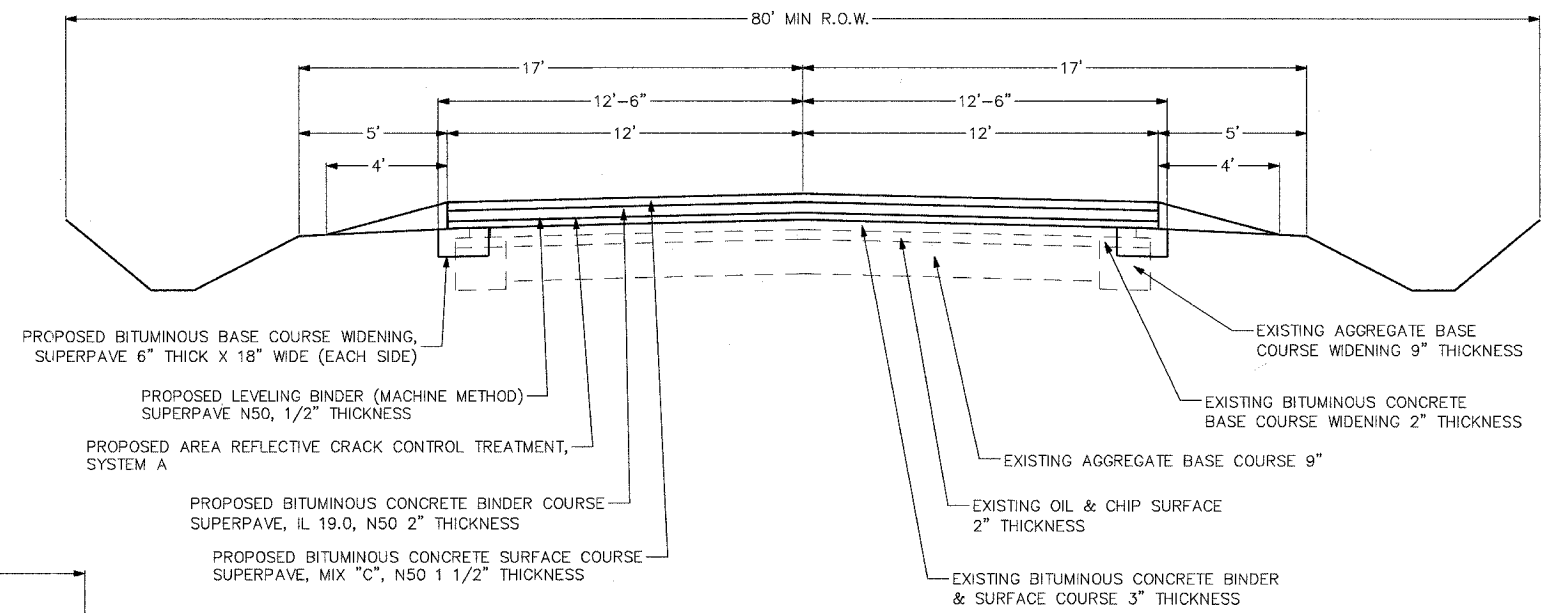
STRUCTURAL DESIGN DATA 73,280# TYPICAL CROSS SECTION #1

CLASS III ROAD DESIGN PERIOD 20 YEARS
STRUCTURAL DESIGN TRAFFIC: 1586 YEAR: 2015
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:
P.C. 88% S.U. 7% M.U. 5%
P.C. 1396 S.U. 111 M.U. 79
MINIMUM SOIL SUPPORT: IBR= 3.0
TRAFFIC FACTOR (T.F.)= 0.346
STRUCTURAL NUMBER (Dt): 3.6
PAVEMENT STRUCTURE MATERIALS:
SURFACE: PROPOSED BITUMINOUS SURFACE COURSE 4" @ 0.40 a1= 1.60
BASE: EXISTING BITUMINOUS CONCRETE 3" @ 0.30 a2= 0.90
SUBBASE: EXISTING AGGREGATE BASE COURSE 12" @ 0.10 a3= 1.20

PROPOSED (Dt) TOTAL= 3.70

PROPOSED TYPICAL CROSS SECTION #2

SEC. 02-00044-07-WR
LEXINGTON-LEROY RD (CH 21)
STA: 222+00 - STA: 358+10
STA: 367+00 - STA: 441+00
STA: 447+00 - STA: 486+00



STRUCTURAL DESIGN DATA 73,280# CROSS SECTIONS #2 & #3

CLASS III ROAD DESIGN PERIOD 20 YEARS
STRUCTURAL DESIGN TRAFFIC: 1586 YEAR: 2015
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:
P.C. 88% S.U. 7% M.U. 5%
P.C. 1396 S.U. 111 M.U. 79
MINIMUM SOIL SUPPORT: IBR= 3.0
TRAFFIC FACTOR (T.F.)= 0.346
STRUCTURAL NUMBER (Dt): 3.6
PAVEMENT STRUCTURE MATERIALS:
SURFACE: PROPOSED BITUMINOUS SURFACE COURSE 4" @ 0.40 a1= 1.60
BASE: EXISTING BITUMINOUS CONCRETE 3" @ 0.30 a2= 0.90
BASE: EXISTING OIL & CHIP SURFACE 2" @ 0.16 a3= 0.32
SUBBASE: EXISTING AGGREGATE BASE COURSE 9" @ 0.10 a4= 0.90

PROPOSED (Dt) TOTAL= 3.72

PROPOSED TYPICAL CROSS SECTION #3

SEC. 02-00044-07-WR
LEXINGTON-LEROY RD (CH 21)
STA: 358+10 - STA: 367+00

