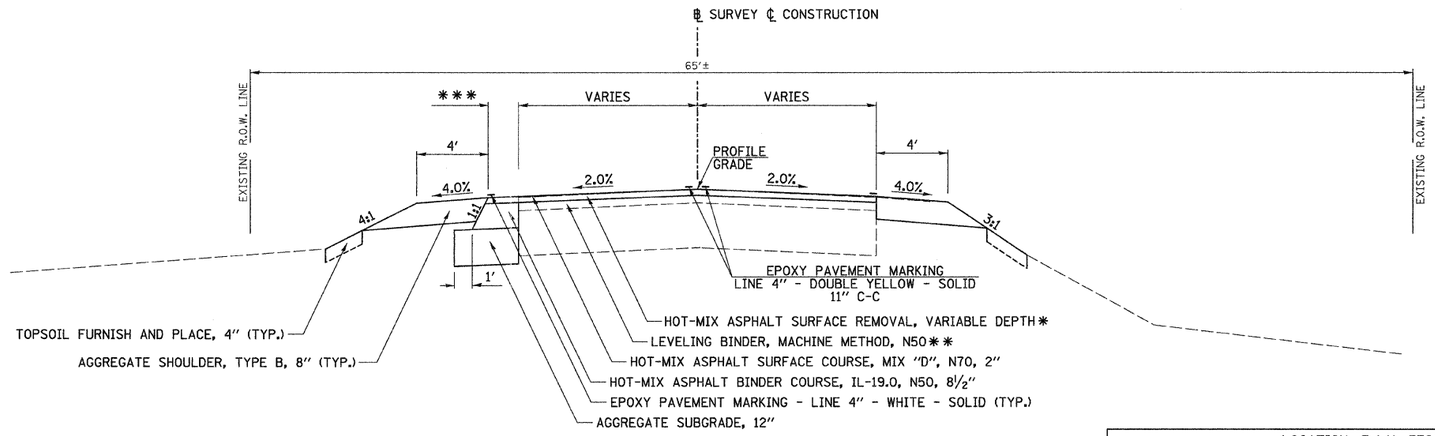


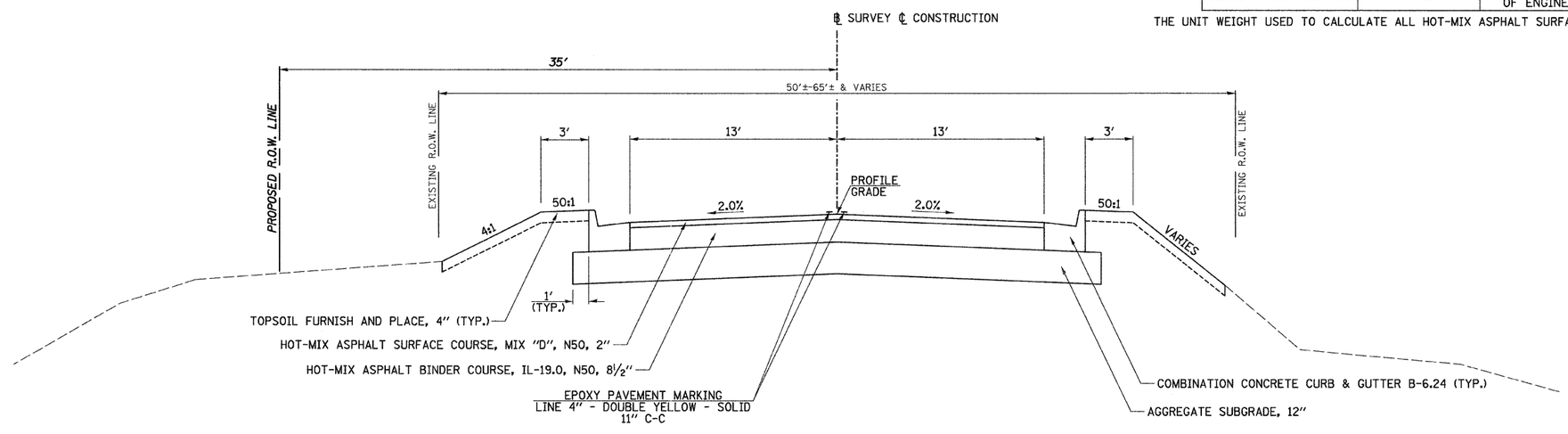
*** VARIES FROM 0' AT 95+00.00 TO 5' AT STA. 97+50.00

PROPOSED TYPICAL SECTION
F.A.U. 3799 (RIVER RD.)

STA. 95+00.00 TO STA. 97+50.00*
STA. 97+50.00 TO STA. 98+00.00**

LOCATION: F.A.U. 3799 (RIVER RD.)			
	HOT-MIX ASPHALT BINDER	HOT-MIX ASPHALT LEVELING BINDER	HOT-MIX ASPHALT SURFACE
PG GRADE	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS	4% @ N50	4% @ N50	4% @ N50
MIXTURE COMPOSITION	IL-19.0	IL-9.5	IL-9.5
FRICTION AGGREGATE	N/A	N/A	MIX "D"
DENSITY TEST METHOD	CORES	SATISFACTION OF ENGINEER	CORES

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SQ YD/IN.



PROPOSED TYPICAL SECTION
F.A.U. 3799 (RIVER RD.)

STA. 98+00.00 TO STA. 99+13.18

(SEE BRIDGE PLANS FOR TYPICAL SECTION.)

PROPOSED TYPICAL BRIDGE CROSS SECTION

STA. 99+13.18 TO STA. 99+19.18 (CONNECTOR PAVEMENT)
STA. 99+19.18 TO STA. 99+49.18 (BRIDGE APPROACH)
STA. 99+49.18 TO STA. 100+49.43 (BRIDGE)
STA. 100+48.43 TO STA. 100+78.43 (BRIDGE APPROACH)
STA. 100+78.43 TO STA. 100+84.43 (CONNECTOR PAVEMENT)

F.A.U. 3799 (RIVER RD.) STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC (S.D.T.) YEAR 2020

PV = 4972 SU = 396 MU = 283

CLASS II ROAD
SUB-GRADE SUPPORT RATING: POOR
PERCENT OF S.D.T. IN DESIGN LANE: 50%

TRAFFIC FACTOR = 1.54

PAVEMENT STRUCTURE MATERIALS RECONSTRUCTION:

SURFACE COURSE TYPE: HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
BASE COURSE TYPE: HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8½"
SUB-BASE TYPE: AGGREGATE SUBGRADE, 12"

FILE NAME = V:\2987\2987t002.dgn	USER NAME = bdecraene	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 4.000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. 3799 (RIVER RD.), PROPOSED TYPICAL SECTIONS

SCALE: N/A | SHEET NO. 2 OF 3 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3799	08-00036-00-BR	KENDALL	54	6
		CONTRACT NO. 87509		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		