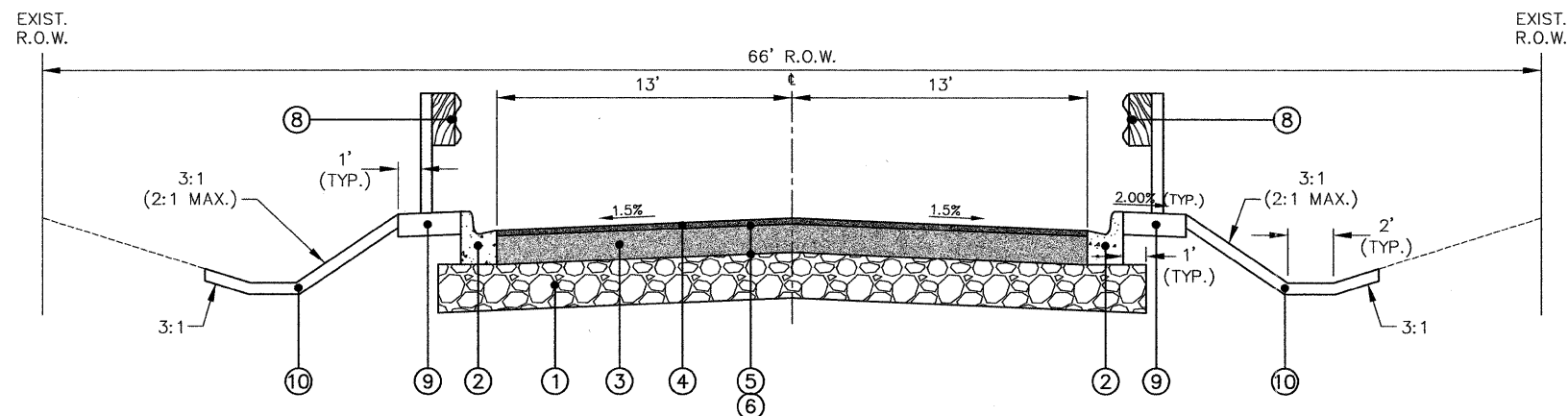


**PRAIRIE STREET  
EXISTING TYPICAL SECTION**

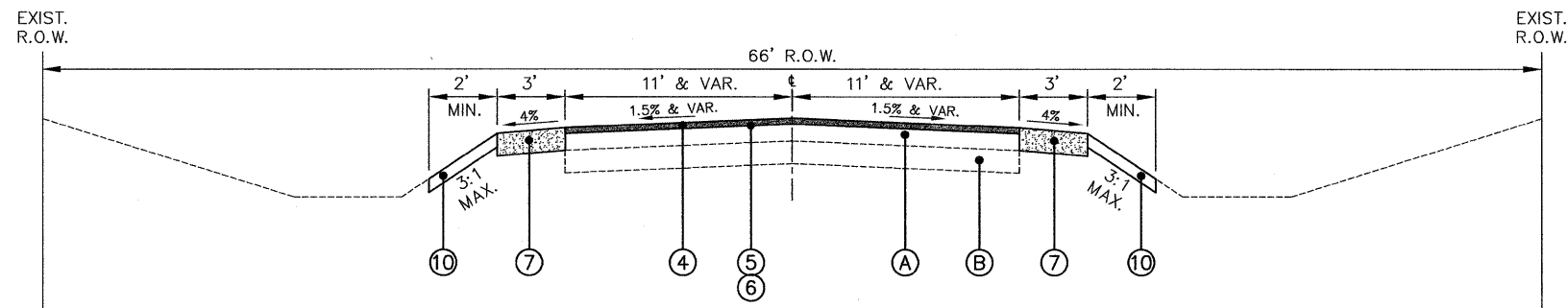
STA 162+00 TO STA 164+07.67  
STA 165+44.33 TO STA 167+65  
(N.T.S.)

- (D) STA 162+00 TO 162+50 & 166+50 TO 167+65
- (E) STA 162+50 TO 164+07.67 & 165+44.33 TO 166+50
- (F) STA 162+50 TO 164+07.67 & 165+44.33 TO 166+50



**PRAIRIE STREET  
PROPOSED TYPICAL SECTION**

STA 162+50 TO STA 164+07.67  
STA 165+44.33 TO STA 166+50  
(N.T.S.)



**PRAIRIE STREET  
PROPOSED TYPICAL SECTION**

STA 162+00 TO STA 162+50  
STA 166+50 TO STA 167+65  
(N.T.S.)

EXISTING LEGEND	
(A)	EXISTING ASPHALT PAVEMENT
(B)	EXISTING AGGREGATE BASE
(C)	EXISTING AGGREGATE SHOULDER
(D)	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (0" TO 2")
(E)	PAVEMENT REMOVAL (6" ASPHALT ASSUMED)
(F)	EARTH EXCAVATION

PROPOSED LEGEND	
(1)	AGGREGATE SUBGRADE 12"
(2)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
(3)	HOX-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 7.5"
(4)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1.5"
(5)	BITUMINOUS MATERIALS (PRIME COAT)
(6)	AGGREGATE (PRIME COAT)
(7)	AGGREGATE SHOULDERS, TYPE B
(8)	STEEL PLATE BEAM GUARDRAIL
(9)	HOT-MIX ASPHALT SHOULDERS 6" AT STEEL PLATE BEAM GUARD RAIL
(10)	TOPSOIL 4", SEEDING, FERTILIZER AND EROSION CONTROL BLANKET

PAVEMENT DESIGN INFORMATION	
PRAIRIE STREET	TF = 0.27 (ACTUAL)
HOT-MIX ASPHALT PAVEMENT	TF = 0.50 (USED)
CLASS II	SSR POOR
80,000 LB	AC MIX TEMP 78°
TWO LANE RURAL	PG 64-22
2022 ADT 5,700	MODULUS 600 KSI
PV 5,506 (96.6%)	THICKNESS REQUIRED = 8.75"
SU 177 (3.1%)	THICKNESS PROVIDED = 9"
MU 17 (0.3%)	

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
OPERATION	MIXTURE TYPE	AIR VOIDS @ N <sub>des</sub>
ROADWAY RECONSTRUCTION	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 7.5" (IN 2 LIFTS)	4% @ 50 Gyr
ROADWAY RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 MM), 1.5"	4% @ 50 Gyr
DRIVEWAY RECONSTRUCTION	STABILIZED DRIVEWAYS, 10"	
SHOULDER	HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 MM), 3"	4% @ 50 Gyr
	HOT-MIX ASPHALT SHOULDERS 6"	
	HMA BINDER, IL-19.0, 6" (IN 2 LIFTS)	4% @ 50 Gyr

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.

Plotted: January 3, 2012 @ 2:08 PM By: Kris Pung - Job: 06 TYP SEC (22-34)  
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Path: \\SBS\PROJ\0812\DWG\DWG\_FINAL\ENG\0812-COVER

FILE NAME	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
PROJECT NO. BH05-0089(134)	JOB NO. C-91-167-09
SCALE: N/A	SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3895	08-15104-01-BR	KANE	38	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63661	