F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114R-1	WILL	355	14
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

EXISTING LEGEND

- [A] PORTLAND CEMENT CONCRETE PAVEMENT 9"
- [B] HOT-MIX ASPHALT BINDER AND SURFACE COURSES 5"
- [C] HOT-MIX ASPHALT BINDER AND SURFACE COURSES (VARIES 2" - 5")
- [D] HOT-MIX ASPHALT BINDER AND SURFACE COURSES 4"
- [E] HOT-MIX ASPHALT SURFACE AND BINDER COURSES (VARIES)
- [F] BITUMINOUS OR PORTLAND CEMENT CONCRETE BASE COURSE (VARIES 8" - 12")
- [G] BITUMINOUS BASE COURSE 8"
- [H] SUB-BASE GRANULAR MATERIAL (VARIES 0" - 4")
- [I] BITUMINOUS SHOULDER (VARIES 6½" - 8")
- [J] AGGREGATE SHOULDER (VARIES 6" - 8")
- [K] EXISTING TOPSOIL
- [L] PORTLAND CEMENT CONCRETE SIDEWALK (AT LOCATIONS NOTED IN PLANS)
- [M] COMBINATION CONCRETE CURB & GUTTER
- [N] REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- [O] EARTH EXCAVATION
- [P] PAVEMENT REMOVAL
- [Q] PAVED SHOULDER REMOVAL
- [R] SIDEWALK REMOVAL
- [S] COMBINATION CONCRETE CURB & GUTTER REMOVAL
- [T] RETAINING WALL (TO REMAIN)

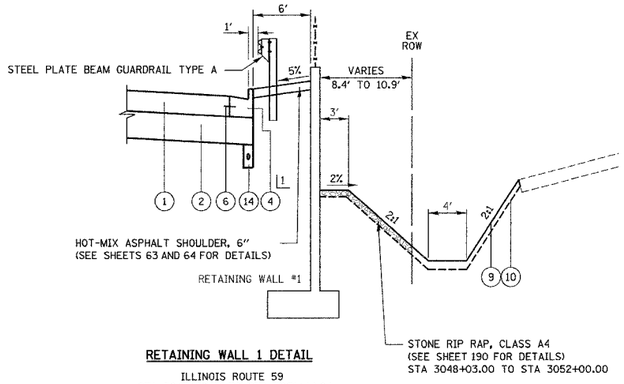
PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 9¾" (JOINTED)
- (2) AGGREGATE SUBGRADE 12"
- (3) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (4) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (5) CONCRETE MEDIAN, TYPE SB-6 (SPECIAL)/CONCRETE MEDIAN, TYPE SB-6.24 (SEE DETAIL SHEET NO.189)
- (6) NO. 6 x 24" TIE BARS (EPOXY COATED) GROUTED IN PLACE AT 24" O.C. INCLUDED IN COST OF COMBINATION CONCRETE CURB & GUTTER, STANDARD 606001.
- (7) LONGITUDINAL CONSTRUCTION JOINT GROUTED-IN-PLACE TIE BARS (EPOXY COATED) NO. 8 x 24" LONG DEFORMED TIE BARS AT 24" O.C. (STANDARD 420001) (INCLUDED IN THE COST OF CONCRETE PAVEMENT)
- (8) LONGITUDINAL SAWED JOINT - NO. 6 X 30" LONG DEFORMED TIE BARS (EPOXY COATED) AT 30" O.C. (STANDARD 420001) (INCLUDED IN THE COST OF CONCRETE PAVEMENT)
- (9) SODDING, SALT TOLERANT OR SEEDING (AS NOTED ON LANDSCAPING PLANS)
- (10) TOPSOIL FURNISH AND PLACE, 4"
- (11) TOPSOIL FURNISH AND PLACE, 8"
- (12) TOPSOIL FURNISH AND PLACE, 12"
- (13) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (14) PIPE UNDERDRAINS, FABRIC LINED TRENCH 4"

(BOXED ITEMS ARE INCLUDED IN THE COST OF ANOTHER PAY ITEM)

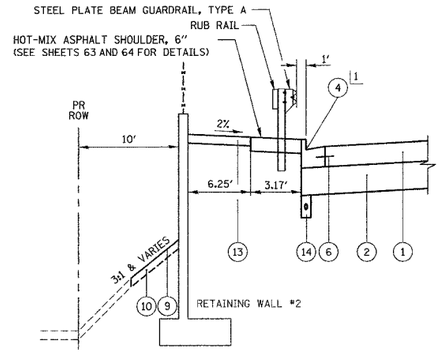
NOTES

1. DEPRESS CURB AND GUTTER ACCORDINGLY BASED ON STANDARD BD-34
2. ADJACENT TO THE EAST HEADWALL OF THE HAMMEL CREEK CULVERT, THIS DIMENSION WILL BE REDUCED TO 1'.
3. ADJACENT TO THE WEST HEADWALL OF THE HAMMEL CREEK CULVERT, THIS DIMENSION WILL BE REDUCED TO 1'-10".
4. ADJACENT TO THE WEST HEADWALL OF THE HAMMEL CREEK CULVERT, THESE CROSS SLOPES WILL BE REVISED TO DRAIN AT 2% AWAY FROM IL ROUTE 59.
5. 15' ℄ THE COUNTRY GLEN COURT INTERSECTION



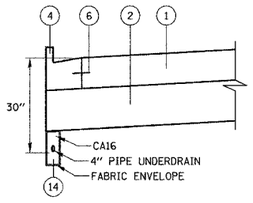
RETAINING WALL 1 DETAIL

ILLINOIS ROUTE 59
STA 3047+20.51 TO STA 3051+44.64

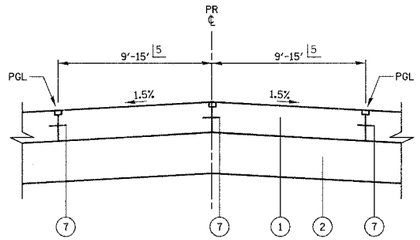


RETAINING WALL 2 DETAIL

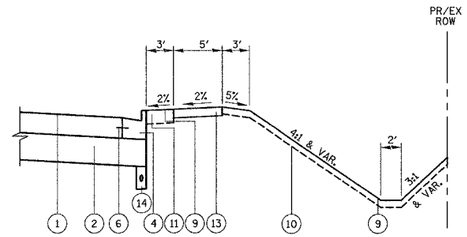
ILLINOIS ROUTE 59
STA 3051+60.30 TO STA 3053+56.25



4" PIPE UNDERDRAIN DETAIL (LONGITUDINAL)

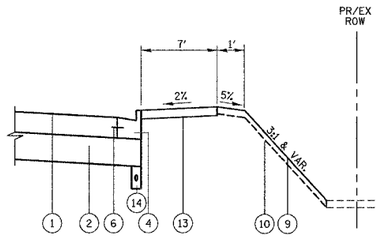


MEDIAN BREAK (UNLESS OTHERWISE NOTED ON THE PLANS) TYPICAL SECTION



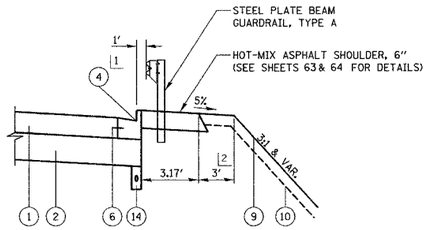
ALTERNATE SIDEWALK/SIDE SLOPE SECTION #1

ILLINOIS ROUTE 59
STA 3032+74 LT TO STA 3038+89 LT
STA 3095+67 RT TO STA 3108+26 RT
STA 3109+10 RT TO STA 3127+64 RT
STA 3109+50 LT TO STA 3121+31 LT
STA 3135+90 RT TO STA 3155+25 RT



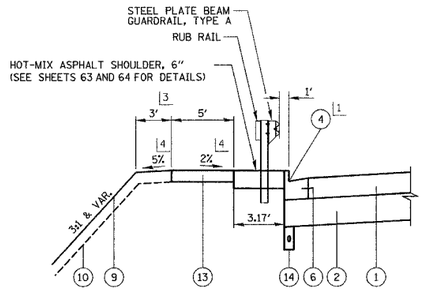
ALTERNATE SIDEWALK/SIDE SLOPE SECTION #2

ILLINOIS ROUTE 59
STA 3156+02 RT TO STA 3172+00 RT



GUARD RAIL DETAIL #1

ILLINOIS ROUTE 59
STA 3038+77.5 RT TO STA 3047+20.5 RT



GUARD RAIL DETAIL #2

ILLINOIS ROUTE 59
STA 3040+56.9 LT TO STA 3044+06.9 LT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

(NOTE: THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN)

LOCATION(S)	MIXTURE TYPE	AC TYPE	AIR VOIDS (%)	MAX RAP (%)
RESIDENTIAL BITUMINOUS DRIVEWAY	HOT-MIX ASPHALT BASE COURSE, 6" (BINDER IL-19mm)	PG 64-22/58-22*	4% @ 50 GYR	25%
COMMERCIAL BITUMINOUS DRIVEWAY	HOT-MIX ASPHALT BASE COURSE, 8" (BINDER IL-19mm)	PG 64-22/58-22*	4% @ 50 GYR	25%
ALL BITUMINOUS DRIVEWAY	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5mm)	PG 64-22	4% @ 50 GYR	15%
UNDER GUARDRAIL TERMINAL	HOT-MIX ASPHALT SHOULDER, 6"	PG 64-22/58-22*	2% @ 30 GYR	50%
MISC. LEVELING BINDER	LEVELING BINDER (MACHINE METHOD), N50 (¾" MIN)	PG 64-22/58-22*	4% @ 50 GYR	25%
MISC. SURFACE COURSE	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1½" MIN)	PG 64-22	4% @ 50 GYR	15%
TEMPORARY PAVEMENT FOR M.O.T.	HOT-MIX ASPHALT BASE COURSE, 10" (BINDER IL-19mm)	PG 64-22/58-22*	4% @ 50 GYR	25%
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" (IL-9.5mm)	PG 64-22	4% @ 50 GYR	15%
PAVEMENT PATCHING	CLASS D PATCH (BINDER IL-19mm)	PG 64-22/58-22*	4% @ 70 GYR	25%

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

ILLINOIS ROUTE 59
(PORTLAND CEMENT CONCRETE PAVEMENT)

STATION 3032+25.77 TO STATION 3193+25

STRUCTURAL DESIGN TRAFFIC:	Year 2020
PV = 20,415 SU = 1,624	MU = 1,160
ROAD/STREET CLASSIFICATION:	Class II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 32% S = 45%	M = 45%
TRAFFIC FACTOR: Actual TF = 7.93	
Minimum TF = 4.96	
EDGE SUPPORT CONDITION:	TIED CURB & GUTTER
SUBGRADE SUPPORT RATING:	
SSR = POOR	(STA 3032+25.77 To STA 3193+25)

REVISIONS	
NAME	DATE
REVISED IL59 ALIGN.	12/22/06

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

ILLINOIS ROUTE 59

DATE 3/18/08
DRAWN BY MJG
SCALE: NONE CHECKED BY VJD