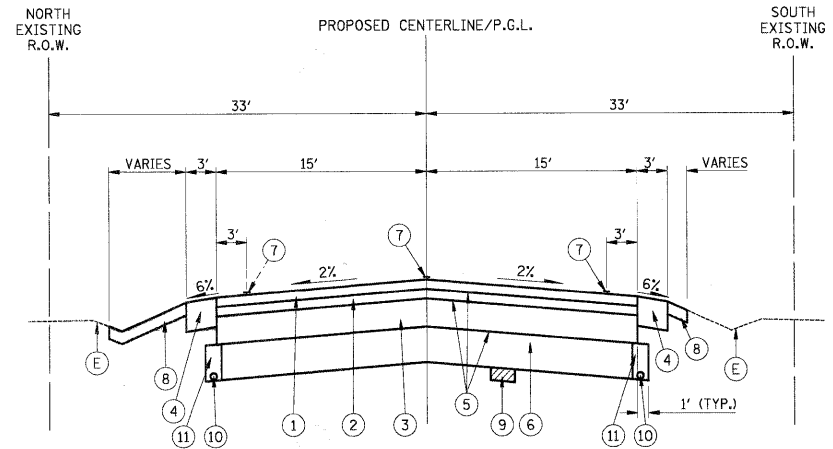


**EXISTING TYPICAL SECTION**

•STA. 13+29.5 TO STA. 34+03.2  
 STA. 54+53 TO STA. 63+75

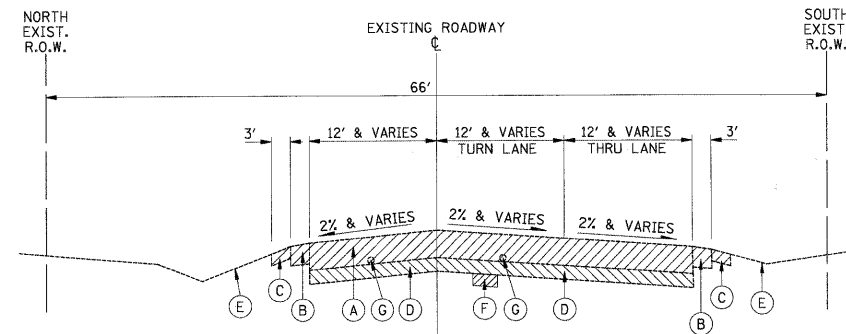
REMOVAL ITEMS

•PROJECT OMISSION:  
 WASTE MANAGEMENT OF ILLINOIS  
 VIRGINIA ROAD TRANSFER FACILITY (BY OTHERS)  
 STA. 34+03.2 TO STA. 53+28.7



**PROPOSED TYPICAL SECTION**

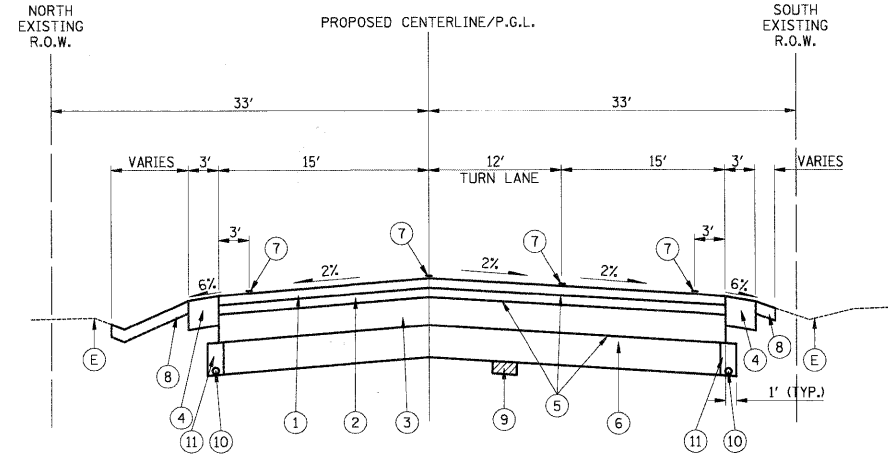
•STA. 13+29.5 TO STA. 34+03.2  
 STA. 54+53 TO STA. 63+75



**EXISTING TYPICAL SECTION**

STA. 63+75 TO STA. 89+00

REMOVAL ITEMS



**PROPOSED TYPICAL SECTION**

STA. 63+75 TO STA. 89+00

**EXISTING LEGEND**

- (A) BITUMINOUS PAVEMENT (1" TO 13") (PAID FOR AS PAVEMENT REMOVAL)
- (B) BITUMINOUS SHOULDER (1" TO 6") (PAID FOR AS PAVEMENT REMOVAL)
- (C) AGGREGATE SHOULDER (PAID FOR AS EARTH EXCAVATION)
- (D) GRANULAR SUBBASE (8" TO 18") (PAID FOR AS PAVEMENT REMOVAL)
- (E) TURF DITCH
- (F) REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (AS DIRECTED BY THE ENGINEER)
- (G) PIPE UNDERDRAINS (PAID FOR AS PAVEMENT REMOVAL)

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1-3/4")
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2-1/4")
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 9-1/2"
- (4) AGGREGATE SHOULDER, TYPE B, 8"
- (5) BITUMINOUS MATERIALS (PRIME COAT) AGGREGATE (PRIME COAT)
- (6) AGGREGATE SUBGRADE 12"
- (7) THERMOPLASTIC PAVEMENT MARKING
- (8) RESTORATION -EROSION CONTROL BLANKET -SEEDING, CLASS 2A -TOPSOIL, 4"
- (9) POROUS GRANULAR EMBANKMENT, SUBGRADE
- (10) PIPE UNDERDRAIN 4"
- (11) TRENCH BACKFILL

**MIXTURE REQUIREMENT**

MIXTURE TYPE	AC TYPE	AIR VOIDS
FULL-DEPTH HOT-MIX ASPHALT PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1-3/4")	PG 64-22*	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2-1/4")	PG 64-22*	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 9-1/2"	PG 64-22*	4% @ 50 GYR.
STABILIZED DRIVEWAYS		
HOT-MIX ASPHALT BASE COURSE, 6 INCH	PG 64-22*	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (2")	PG 64-22*	4% @ 50 GYR.

NOTES: USE A UNIT WEIGHT OF 112 LB/SQ-IN TO CALCULATE OTHER HMA MIXTURES.  
 \*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

**PAVEMENT DESIGN**

ITEM	VIRGINIA ROAD
STRUCTURAL DESIGN TRAFFIC (2030)	11,500
ROAD CLASSIFICATION	II
PASSENGER CARS	8,165
SINGLE UNITS	2,070
MULTIPLE UNITS	1,265
TRAFFIC FACTOR	7.21
DESIGN THICKNESS	1.75+2.25+9.5+12

THICKNESS = (HMA SURF + HMA BIND + HMA BSE CRSE + AGG SUB-GRADE) INCHES

FILE NAME =	USER NAME = ara	DESIGNED - RJD	REVISED -
g:\2211\ood\sheet\2211-shr-typ-cal.dgn		DRAWN - ARA	REVISED -
PLOT SCALE = 1:8000 1/4 IN.		CHECKED - GAB	REVISED -
PLOT DATE = 5/27/2009		DATE - 5-28-09	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0121	09-00362-00-PV	MCHENRY	54	6
CONTRACT NO. 63195				
FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT: M-9003(255)				