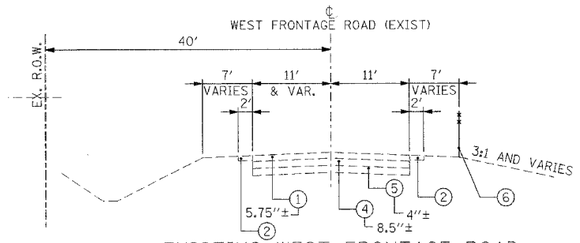
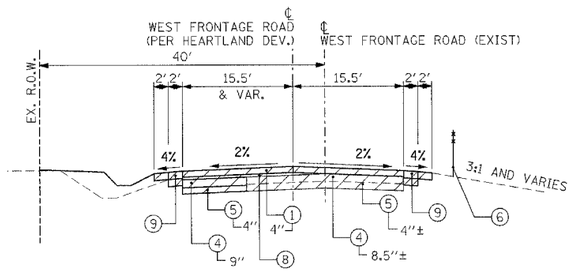
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	102	8
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* 99(1&2)AC-R-2		CONTRACT NO. 60B97		



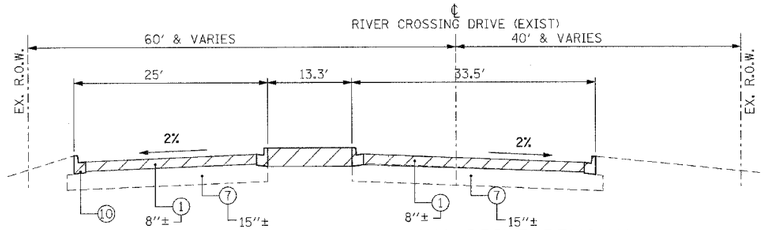
EXISTING WEST FRONTAGE ROAD PRIOR TO HEARTLAND DEVELOPMENT (FOR INFORMATION ONLY)

STA. 5000+00 TO STA 5030+00

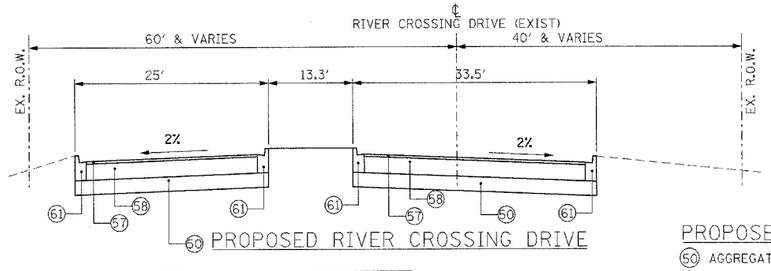


EXISTING WEST FRONTAGE ROAD REMOVAL

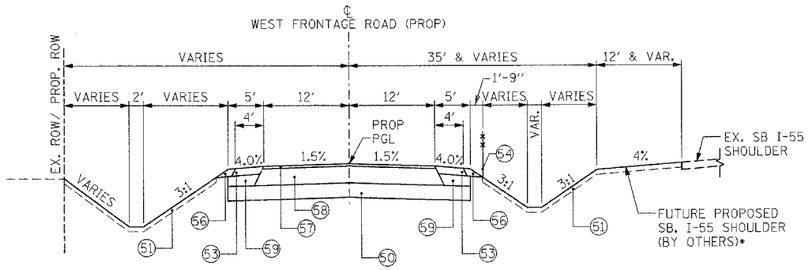
REMOVAL FROM STA. 5006+90.75 TO 5028+00
REMOVAL NORTH OF 5028+00 BY OTHERS



EXISTING RIVER CROSSING DRIVE REMOVAL



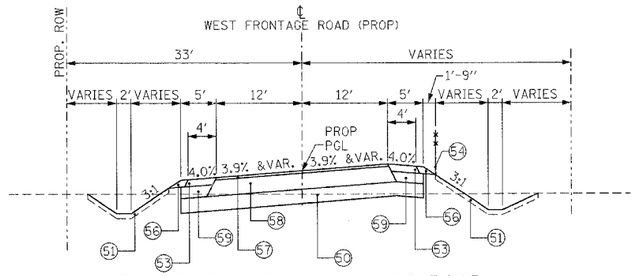
PROPOSED RIVER CROSSING DRIVE



PROPOSED WEST FRONTAGE ROAD

STA. 5500+00.00 TO STA. 5514+73.00
STA. 5524+56.00 TO STA. 5529+15.00

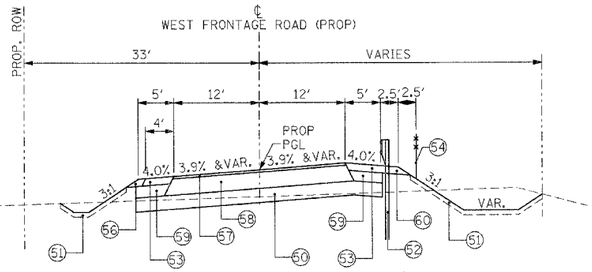
* FUTURE PROP. SB I-55 SHOULDER (BY OTHERS) APPROXIMATELY FROM STA. 5499+00 TO STA. 5517+00



PROPOSED WEST FRONTAGE ROAD

STA. 5514+73.00 TO STA. 5524+56.00

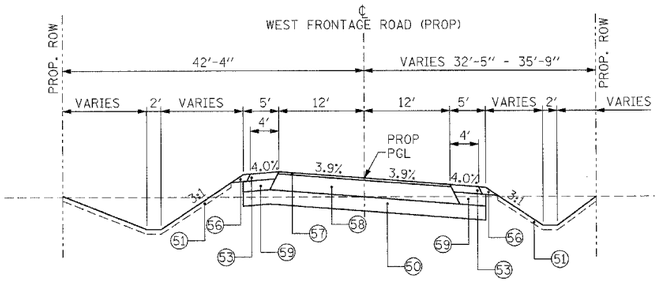
S.E. TRANSITION STA. 5514+73.00 TO STA. 5516+59.00
S.E. TRANSITION STA. 5522+70.00 TO STA. 5524+56.00



PROPOSED WEST FRONTAGE ROAD

GUARDRAIL SECTION

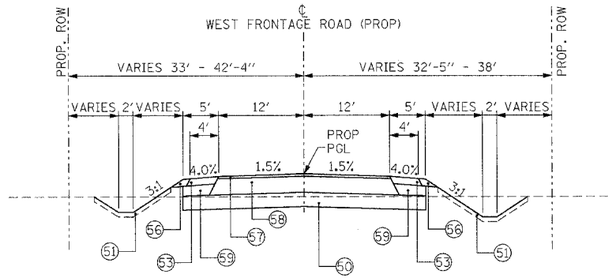
STA. 5513+35.86 TO STA. 5518+22.47 RT



PROPOSED WEST FRONTAGE ROAD

STA. 5529+15.00 TO STA. 5539+16.00

S.E. TRANSITION STA. 5529+15.00 TO STA. 5531+01.00
S.E. TRANSITION STA. 5537+30.00 TO STA. 5539+16.00



PROPOSED WEST FRONTAGE ROAD

STA. 5539+16.00 TO STA. 5544+87.97
STA. 5553+76.62 TO STA. 5544+87.97
SHALL BE SODDING, SALT TOLERANT

EXISTING LEGEND

REMOVAL

1. BITUMINOUS CONCRETE PAVEMENT
2. AGG. SHOULDER STONE TYPE B
3. GRAVEL BASE COURSE
4. CONC BASE COURSE
5. GRANULAR SUB-BASE
6. FENCE (REMOVAL)
7. AGG. SUBGRADE (VARIES)
8. LEVELING BINDER (VARIABLE DEPTH)
9. BIT. SHOULDER, AGG. SHOULDER
10. CONCRETE CURB & GUTTER

PROPOSED LEGEND

50. AGGREGATE SUBGRADE 12"
51. SEEDING, CLASS 2A & TOPSOIL 4"
52. STEEL PLATE BEAM GUARD RAIL, TYPE A
53. HOT-MIX ASPHALT SHOULDERS, 8"
54. WOVEN WIRE FENCE**
55. (NOT USED)
56. AGGREGATE SHOULDERS, TYPE B 8"
57. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 2" (PAID AS HMA PAVEMENT FD 15-3/4")
58. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 13-3/4" (PAID AS HMA PAVEMENT FD 15-3/4")
59. SUB-BASE GRANULAR MATERIAL, TYPE C 8"
60. HMA STABILIZATION AT STEEL PLATE BEAM GUARD RAIL (PAID AS HMA SHOULDERS, 8")
61. COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12

** NOTE: NEW WOVEN WIRE FENCE TO BE REMOVED FROM TEMP LOCATION PER MOT PLANS AND RE-ERECTED INTO THE FINAL POSITION PER ROADWAY PLANS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	THICKNESS	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	2"	PG 64-22	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	13-3/4"	PG 64-22/58-22	4% @ 70 GYR.
HOT-MIX ASPHALT SHOULDER, 8" (INCLUDING GUARDRAIL STABILIZ.)	8"	* PG 64-22/58-22	2% @ 30 GYR.
INCIDENTAL HMA SURFACING (HMA SURFACE COURSE, MIX "C", N50)	2"	PG 64-22	4% @ 50GYR.
TEMPORARY PAVEMENT BINDER (HMA BINDER IL-19 mm)	8-1/4"	* PG 64-22/58-22	4% @ 50 GYR.
TEMPORARY PAVEMENT SURFACE (HMA SC, MIX "D", N50 (IL 9.5 mm))	1-3/4"	PG 64-22	4% @ 50 GYR.

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

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI 55 WEST FRONTAGE ROAD AT IL 59
SECTION: 99(1&2)AC-R-2

TYPICAL SECTIONS WEST FRONTAGE ROAD STA 5500+00 TO STA 5544+87.97

SCALE: N.T.S. DRAWN BY: BRH
DATE: 3/22/2007 CHECKED BY: ACL

TENG

TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
105 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312/616-0600

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