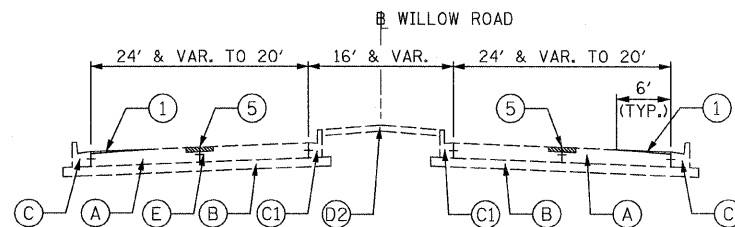
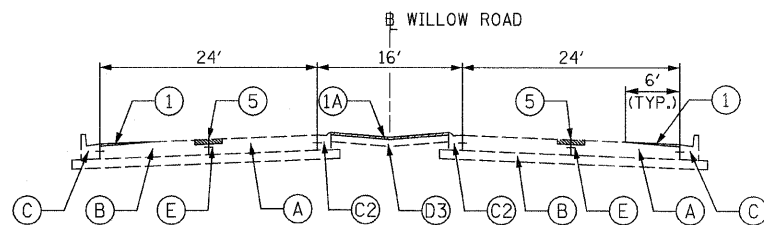


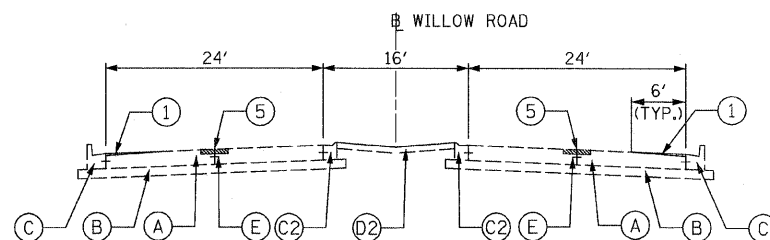
EXISTING TYPICAL SECTION
STA. 93+98 TO STA. 95+68



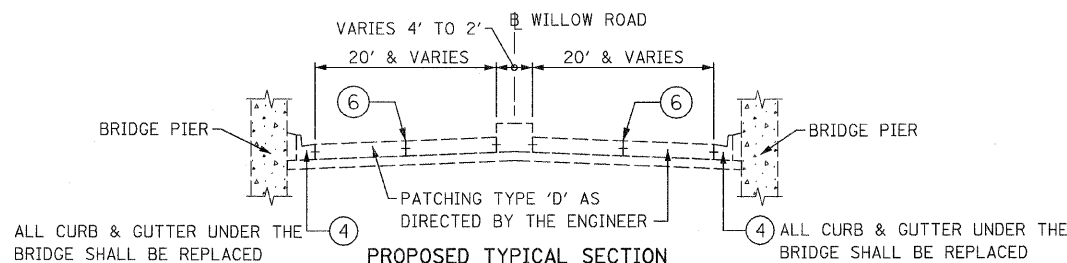
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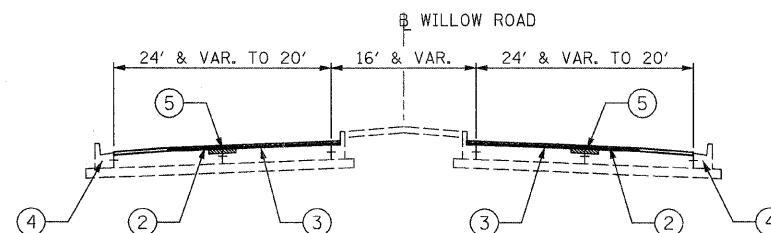
EXISTING TYPICAL SECTION
STA. 15+55 TO STA. 35+76
STA. 35+76 TO STA. 37+68 - PAVING OMISSION
STA. 38+03 TO STA. 89+30



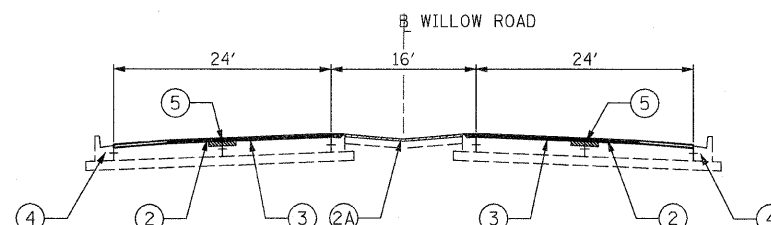
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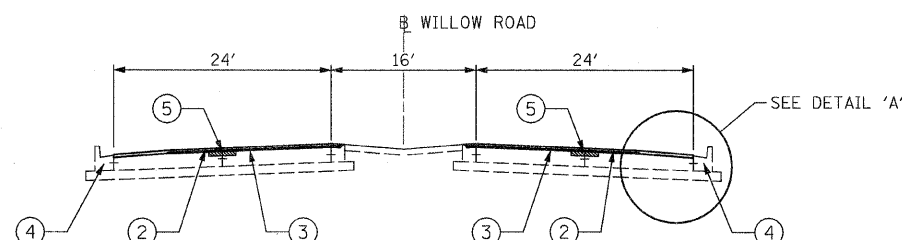
PROPOSED TYPICAL SECTION
STA. 93+98 TO STA. 95+68



PROPOSED TYPICAL SECTION
STA. 89+30 TO STA. 93+98



PROPOSED TYPICAL SECTION
STA. 15+55 TO STA. 35+76
STA. 35+76 TO STA. 37+68 - PAVING OMISSION
STA. 38+03 TO STA. 89+30



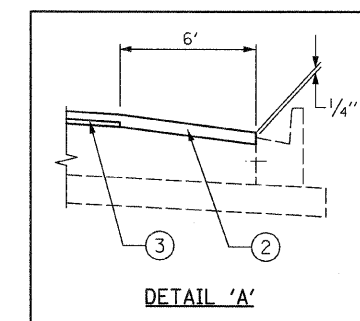
PROPOSED TYPICAL SECTION
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EXISTING CONDITIONS:

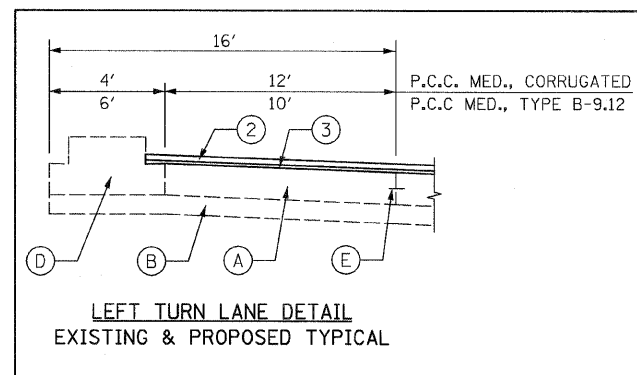
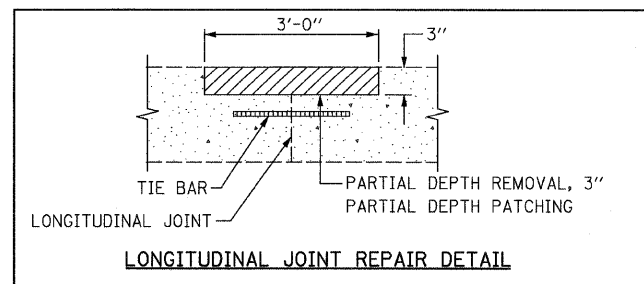
- (A) P.C.C. PAVEMENT, 10" & VARIES
- (B) SUB-BASE GRANULAR MATERIAL, 4" & VARIES
- (C) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (C1) COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.12
- (C2) COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- (D) P.C. CONCRETE MEDIAN, CORRUGATED OR TYPE B-9.12
- (D1) P.C. CONCRETE MEDIAN, TYPE B-9
- (D2) P.C. CONCRETE MEDIAN SURFACE, 4"
- (D3) HOT-MIX ASPHALT MEDIAN
- (E) TIE BARS

PROPOSED IMPROVEMENTS:

- (1) P.C.C. SURFACE REMOVAL (VARIABLE DEPTH), 0" TO 1 1/2" MAX.
- (1A) HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (2A) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT
(LOCATION AS DETERMINED BY THE ENGINEER)
- (5) LONGITUDINAL JOINT REPAIR (LOCATION AS DETERMINED BY THE ENGINEER)
- (6) JOINT OR CRACK ROUTING (LOCATION AS DETERMINED BY THE ENGINEER)



LONGITUDINAL JOINTS SHALL BE REPAIRED AT LOCATIONS AS DIRECTED BY THE ENGINEER. SEE DETAIL BELOW.



ROADWAY NAME	HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
	MIXTURE TYPE	AC TYPE	AIR VOIDS
WILLOW ROAD	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm)	SBS/SBR PG 70-22	4% @ 90 GYR.
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
	CLASS D PATCHES (HMA BINDER IL-19 mm)	* PG 64-22	4% @ 70 GYR.
	HMA REPLACEMENT OVER PATCHES AND PARTIAL DEPTH PATCHING (HMA BINDER IL-19 mm)	* PG 64-22	4% @ 70 GYR.
	MEDIAN SURFACE COURSE	PG 64-22	4% @ 50 GYR.
	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50		
	DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT		
	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm)	PG 64-22 * PG 64-22/58-22	4% @ 50 GYR. 4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

FILE NAME = D:\60H13-ah-typical.dgn
PLOT DATE = 4/15/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - M.P.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - G.F.L.	REVISED -
DATE - APRIL 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
WILLOW ROAD (LANDWEHR ROAD TO UNION PACIFIC R.R.)

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	1518 RS-3	COOK	18	4
CONTRACT NO. 60H13				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				