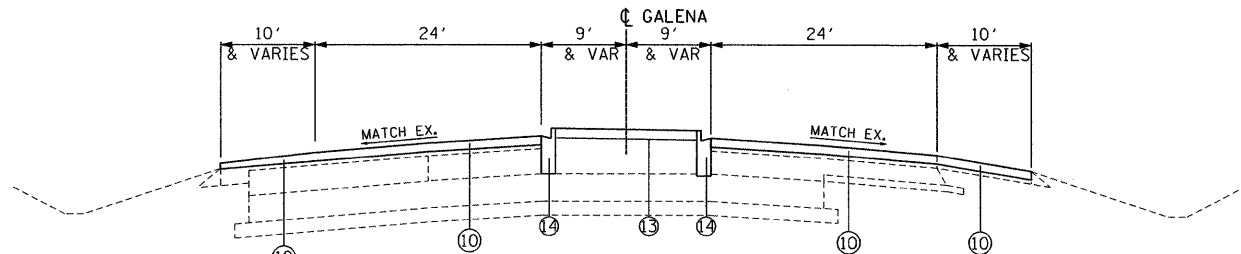
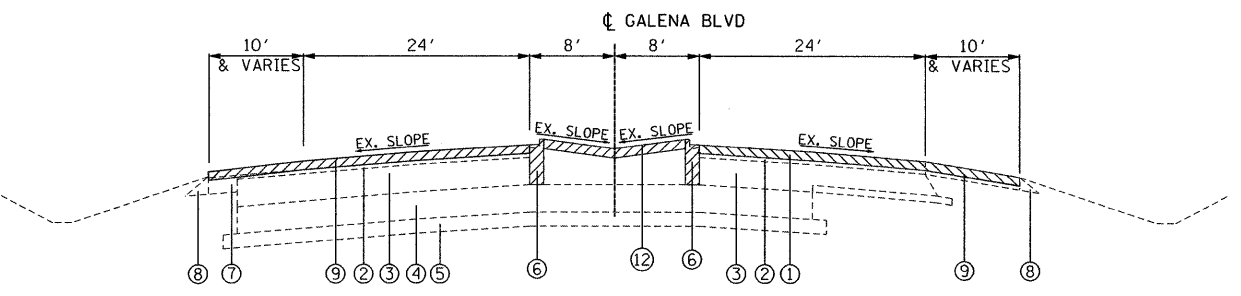


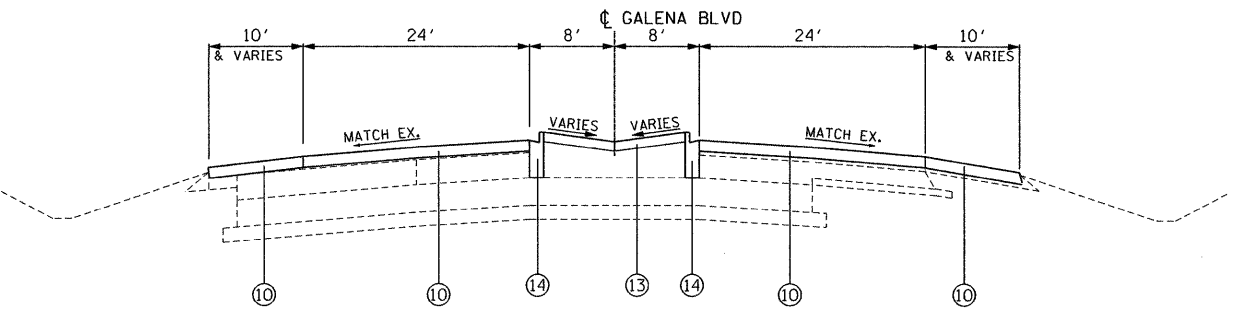
EXISTING TYPICAL SECTION  
STA. 187+60 TO STA. 189+00  
STA. 209+00 TO STA. 210+20



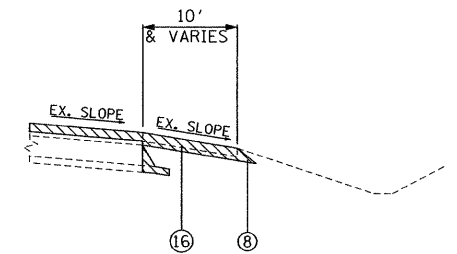
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STA. 187+60 TO STA. 189+00  
STA. 209+00 TO STA. 210+20



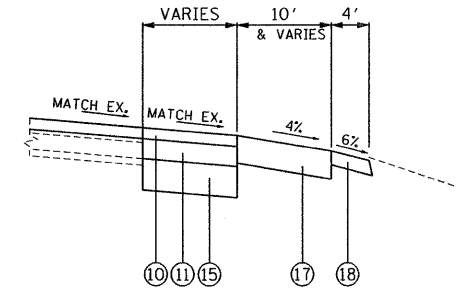
EXISTING TYPICAL SECTION  
STA. 189+00 TO STA. 197+18  
STA. 200+30.65 TO STA. 209+00



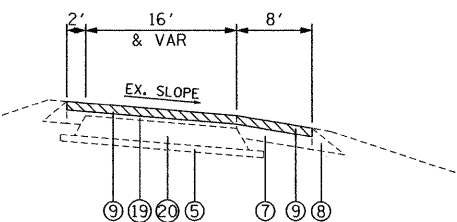
PROPOSED TYPICAL SECTION  
STA. 196+00 TO STA. 197+18  
STA. 200+30.65 TO STA. 202+00



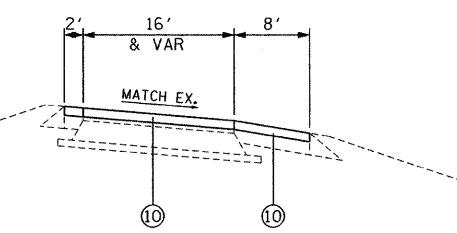
EXISTING WIDENING SECTION  
SEE PLAN SHEET FOR LOCATIONS



PROPOSED WIDENING SECTION  
STA. 190+60.6 TO 192+33.1 LT  
STA. 205+17.9 TO 207+02.3 LT  
STA. 205+33.5 TO 207+11.3 RT



EXISTING RAMP TYPICAL SECTION  
RAMP A 117+00 TO 120+00  
RAMP B 100+00 TO 105+00  
RAMP C 100+00 TO 106+00  
RAMP D 103+25 TO 107+00



PROPOSED RAMP TYPICAL SECTION  
RAMP A 117+00 TO 120+00  
RAMP B 100+00 TO 105+00  
RAMP C 100+00 TO 106+00  
RAMP D 103+25 TO 107+00

**LEGEND**

- ① EXISTING +/- 1 1/2" HMA SURFACE COURSE
- ② EXISTING +/- 1 1/2" HMA BINDER COURSE
- ③ EXISTING STABILIZED BASE CSE., 8" & VAR.
- ④ EXISTING +/- 10" P.C.C. BASE
- ⑤ EXISTING SUB BASE
- ⑥ EXISTING COMBINATION CURB AND GUTTER REMOVAL
- ⑦ EXISTING BITUMINOUS SHOULDER +/- 8"
- ⑧ EXISTING +/- 8" AGGREGATE SHOULDER, TYPE B
- ⑨ HMA SURFACE REMOVAL - 2"
- ⑩ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 2"
- ⑪ HOT MIX ASPHALT BASE COURSE WIDENING, 9" (3 LIFTS)
- ⑫ EXISTING MEDIAN REMOVAL
- ⑬ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ⑭ PROPOSED COMBINATION CONCRETE CURB AND GUTTER M-6.12
- ⑮ AGGREGATE SUBGRADE 12"
- ⑯ PAVED SHOULDER REMOVAL
- ⑰ HOT MIX ASPHALT SHOULDERS, 8" (2 LIFTS)
- ⑱ AGGREGATE SHOULDER TYPE B, 6"
- ⑲ EXISTING +/- 3" HMA
- ⑳ EXISTING +/- 8" PCC BASE

**PAVEMENT DESIGN DATA**

STRUCTURAL DESIGN TRAFFIC: YEAR 2021  
 PV= 937 SU = 132 MU = 132  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 32% S = 45% M = 45%  
 TRAFFIC FACTOR: ACTUAL TF = 0.72  
 MINIMUM TF = 2.13  
 STRUCTURE NUMBER (SNc) = 4.73

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT / SHOULDER RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm)	4% @ 90 GYR.
LEVELING BINDER (MACHINE METHOD), N70	4% @ 70 GYR.
TEMPORARY PAVEMENT*	
TEMP PAVEMENT (HMA BINDER IL-19 mm); 9"	4% @ 50 GYR.
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
PAVEMENT WIDENING / PATCHING	
HMA BASE COURSE WIDENING 9" (HMA BINDER IL-19MM)	4% @ 70 GYR.
CLASS D PATCHES (HMA BINDER IL-19MM)	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19MM)	4% @ 70 GYR.
SHOULDER	
HMA SHOULDER (HMA BINDER IL-19 mm)	3% @ 50 GYR.

**MIXTURE NOTES:**

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" 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 DISTRICT ONE SPECIAL PROVISIONS.
- IF CONTRACTOR CHOOSES TO USE CONCRETE THE THICKNESS WILL BE 10" PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS, TYPICALLY 10" THICK.

**NOTES**

- THE CONTRACTOR SHALL PATCH BEFORE MILLING. SEE IDOT DISTRICT 1 DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT BD-400-04 (BD-22) FOR ADDITIONAL INFORMATION.
- THE LEVELING BINDER SHALL BE USED TO SMOOTH OUT THE PROFILE AS SHOWN ON PLAN AND PROFILE SHEETS. THICKNESS VARIES 3/4" MIN. TO 2 1/4" MAX.

FILE NAME = P:\2010\ME\0012.PTB156-16.Galena\CADD\Shots\04-sh-t-TYP.dgn  
 PLOT SCALE = 1/8"=1'-0"  
 USER NAME = Millennium Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148  
 630.705.0110 voice, 630.839.2566 fax  
 www.mps-il.com  
**MILLENNIUM PROFESSIONAL SERVICES**

DESIGNED - CJD	REVISED -
DRAWN - CJD	REVISED -
CHECKED - TVN	REVISED -
DATE - 8/31/2011	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GALENA BOULEVARD**

**MAINLINE TYPICAL SECTIONS**

SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A.P. RTE. 573	SECTION 61HB-1-R	COUNTY KANE	TOTAL SHEETS 110	SHEET NO. 9
			CONTRACT NO. 60K76		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

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