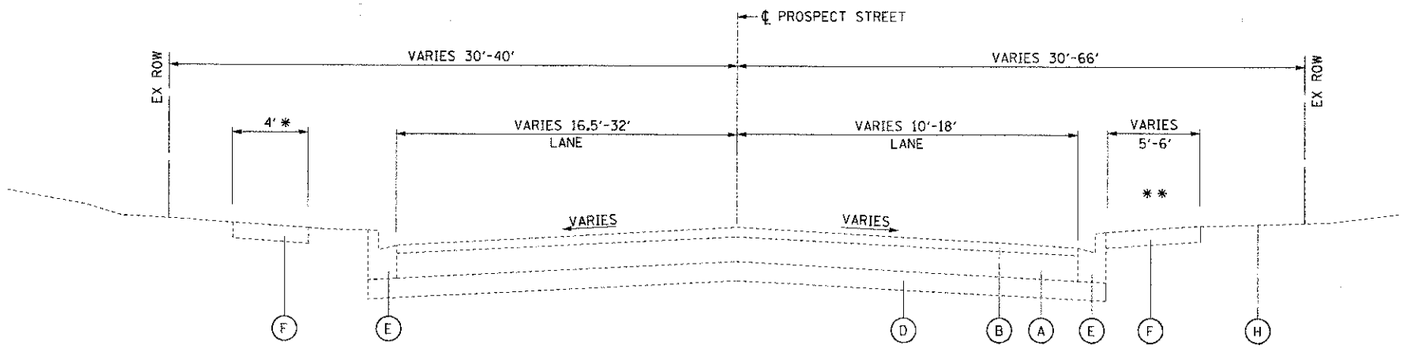
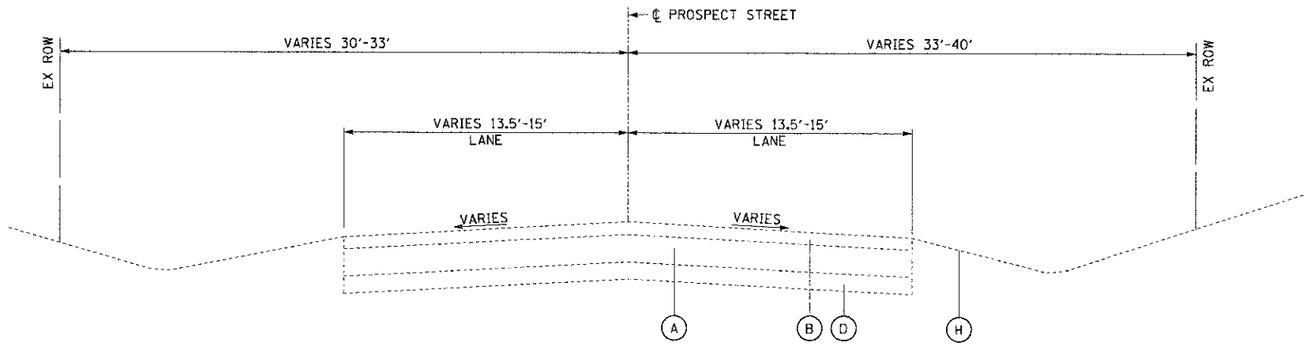
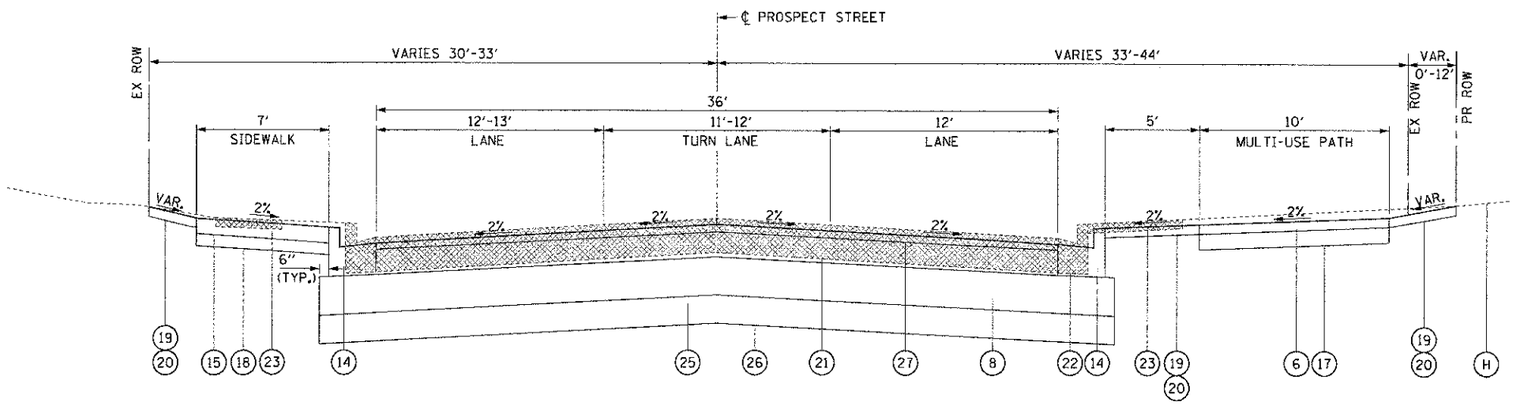


EXISTING PROSPECT STREET
STA 10+00 TO STA 20+00
STA 50+85 TO STA 53+70

* SIDEWALK STOPS AT INDIAN LANE, STA 13+25
** SIDEWALK STOPS AT WASHINGTON STREET, STA 18+75



EXISTING PROSPECT STREET
STA 45+55 TO STA 50+85



PROPOSED PROSPECT STREET
STA 10+00.00 TO STA 20+00.00

EXISTING TYPICAL SECTION LEGEND

- (A) HOT MIX ASPHALT PAVEMENT, (5" TO 8")
- (B) HOT MIX ASPHALT RESURFACING (3" TO 6")
- (C) PCC PAVEMENT (7" TO 10")
- (D) SUB BASE GRANULAR MATERIAL
- (E) COMBINATION CONCRETE CURB AND GUTTER
- (F) PORTLAND CEMENT CONCRETE SIDEWALK
- (G) AGGREGATE SHOULDER
- (H) EXISTING GROUND

PROPOSED TYPICAL SECTION LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
2. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
3. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"
4. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2¼"
5. LEVELING BINDER (MACHINE METHOD), N50, VARIES ¾" - 2¼"
6. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 4"
7. HOT-MIX ASPHALT BASE COURSE, N70, 8½"
8. AGGREGATE SUBGRADE IMPROVEMENT 12"
9. HOT-MIX ASPHALT SHOULDERS, 8"
10. AGGREGATE SHOULDERS, TYPE B 6"
11. STRIP REFLECTIVE CRACK CONTROL TREATMENT
12. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
13. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
14. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
15. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
16. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
17. SUB BASE GRANULAR MATERIAL, TYPE B 6"
18. SUB BASE GRANULAR MATERIAL, TYPE B 4"
19. TOPSOIL FURNISH AND PLACE 4"
20. SODDING, SALT TOLERANT
21. PAVEMENT REMOVAL
22. COMBINATION CURB AND GUTTER REMOVAL
23. SIDEWALK REMOVAL
24. PAVED SHOULDER REMOVAL
25. AGGREGATE SUBGRADE IMPROVEMENT, (CU YD)
26. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
27. HMA PAVEMENT (FULL DEPTH) 10"

NOTE: THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ N_{DES}
FULL DEPTH PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 8" (IN 2 LIFTS)	4% @ 50 GYR.
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/4"	4% @ 70 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); 8 1/2" (IN 3 LIFTS)	4% @ 70 GYR.
RESURFACING - U.S. ROUTE 20	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/4"	4% @ 70 GYR.
RESURFACING - ILLINOIS ROUTE 176	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/4"	4% @ 70 GYR.
RESURFACING - PROSPECT STREET	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR.
LEVELING BINDER (MACHINE METHOD), N50; 3/4"-2 1/4"	4% @ 50 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); PE -6", CE - 8" (IN 2 LIFTS)	4% @ 50 GYR.
MULTI USE PATH	
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 4"	4% @ 50 GYR.
SHOULDERS	
HMA SHOULDER (HMA BINDER IL-19 mm); 8"	4% @ 70 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER, IL-19mm)	4% @ 70 GYR.

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

PLAN / PROFILE — SURVEYED / DRAWN / ALIGNMENT CHECKED / R.O.W. CHECKED / NOTE BOOK / NO. / BY / DATE

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 2/13/2013 8:31:31 AM
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PLOT SCALE: 20.0000 '/ in
PLOT TABLE: a:\drawings\typicals.tbl

HRGreen.com
Illinois Professional Design Firm
184-001922

USER NAME = spernal	DESIGNED - DCJ	REVISED -	
	DRAWN - SMP	REVISED -	
PLOT SCALE =	CHECKED - TEH	REVISED -	
PLOT DATE = 2/13/2013	DATE - 2/5/13	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
PROSPECT STREET

SCALE: | SHEET NO. 1 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	98-0024-00-WR	MCHENRY	115	17
		CONTRACT NO. 63532		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		