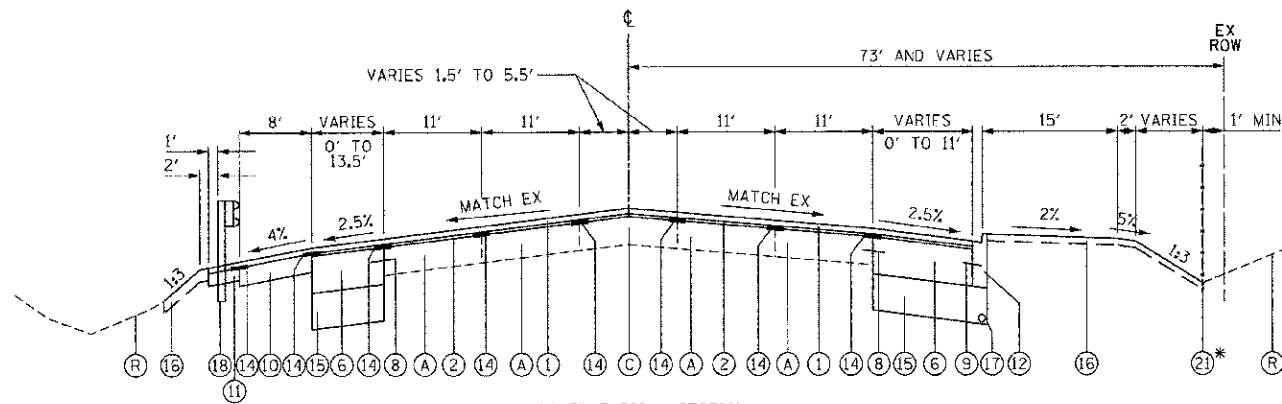
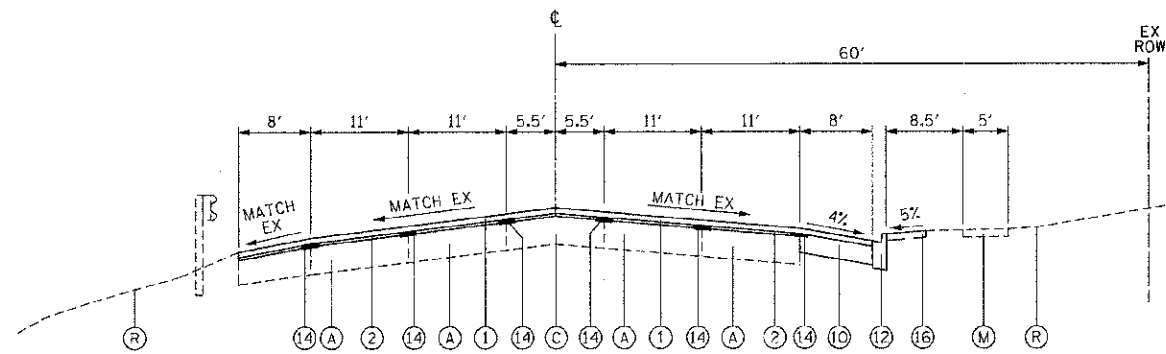


DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
IN CHARGE	
PLANNING	
NO.	

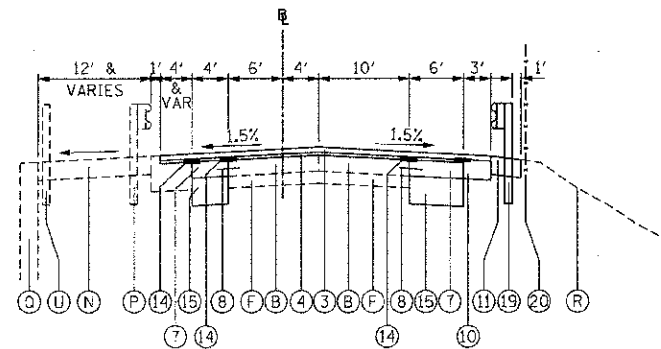


PROPOSED TYPICAL SECTION
BUTTERFIELD ROAD (ILLINOIS ROUTE 56)
STATION 100+20.20 TO 106+85.57

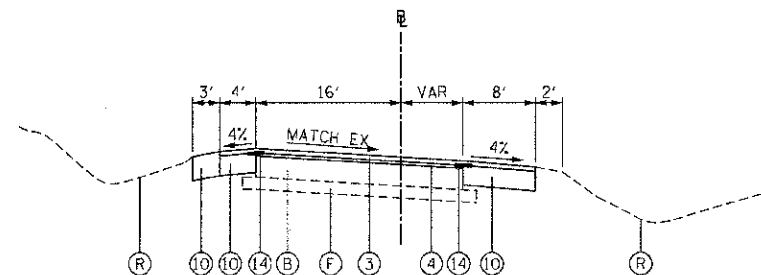
* MAINTAIN EXISTING CHAIN LINK FENCE FROM STATION 100+20.20 TO STATION 101+79.08



PROPOSED TYPICAL SECTION
BUTTERFIELD ROAD (ILLINOIS ROUTE 56)
STATION 106+85.57 TO 107+62.56



PROPOSED TYPICAL SECTION
COMMONWEALTH LANE
STATION 200+61.54 TO 201+89.62



PROPOSED TYPICAL SECTION
ILLINOIS ROUTE 38 EXIT RAMP
STATION 402+42.61 TO 403+00.00

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"
- ② LEVELING BINDER (MACHINE METHOD), N70 - 1"
- ③ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- ④ LEVELING BINDER (MACHINE METHOD), N50 VARIES 1" TO 2 1/4" *
- ⑤ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 2 1/4" AND VARIES *
- ⑥ PORTLAND CEMENT CONCRETE BASE COURSE 10"
- ⑦ PORTLAND CEMENT CONCRETE BASE COURSE 7"
- ⑧ LONGITUDINAL CONSTRUCTION JOINT NO. 6 X 2' LONG DEFORMED TIE BARS GROUTED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 420001-07) (INCLUDED IN THE COST OF PCC PAVEMENT)
- ⑨ LONGITUDINAL CONSTRUCTION JOINT NO. 6 X 2' LONG DEFORMED TIE BARS GROUTED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 420001-07) (INCLUDED IN THE COST OF COMBINATION CURB & GUTTER OR CONC MEDIAN)
- ⑩ HOT-MIX ASPHALT SHOULDERS, 6 1/2"
- ⑪ HOT-MIX ASPHALT SHOULDERS, 4 1/2"
- ⑫ COMBINATION CONCRETE CURB & GUTTER, TY B-6.12
- ⑬ CONCRETE MEDIAN, TY SB 6.12
- ⑭ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑮ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑯ TOPSOIL FURNISH AND PLACE 4" AND SEEDING AS NOTED ON PLANS
- ⑰ PIPE UNDERDRAINS 4"
- ⑱ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT POSTS
- ⑲ STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FT POSTS
- ⑳ CHAIN LINK FENCE, 4'
- ㉑ CHAIN LINK FENCE, 6'
- ㉒ AGGREGATE SHOULDER, TYPE B 8"
- ㉓ FILTER FABRIC
- ㉔ TOPSOIL FURNISH AND PLACE, SPECIAL
- ㉕ POROUS GRANULAR BACKFILL, SPECIAL

* FOR DEPTHS OF LEVELING BINDER AND HMA BINDER COURSE, SEE SHEET NO. 38

NOTE: BOXED ITEMS ARE INCLUDED IN THE COST AS DESIGNATED

EXISTING LEGEND

- Ⓐ CONTINUOUSLY REINFORCED CEMENT CONCRETE PAVEMENT (7")
- Ⓑ PORTLAND CEMENT CONCRETE PAVEMENT (8")
- Ⓒ HOT-MIX ASPHALT BINDER COURSE (10" AND VARIES)
- Ⓓ HOT-MIX ASPHALT LEVELING BINDER COURSE (3/4" AND VARIES)
- Ⓔ HOT-MIX ASPHALT SURFACE COURSE (1 3/4" AND VARIES)
- Ⓕ STABILIZED SUB-BASE (BITUMINOUS AGGREGATE MIXTURE) 4"
- Ⓖ STABILIZED SHOULDER (BITUMINOUS AGGREGATE MIXTURE) (11 3/4" AND VARIES)
- Ⓗ COMBINATION CONCRETE CURB & GUTTER, TY B-6.12
- Ⓘ COMBINATION CONCRETE CURB & GUTTER, TY B-9.06
- Ⓙ AGGREGATE SHOULDER, TY B
- Ⓚ PORTLAND CEMENT CONCRETE MEDIAN, TY C-4 MODIFIED
- Ⓛ PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 4"
- Ⓜ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- Ⓝ HOT-MIX ASPHALT BIKE PATH
- Ⓞ CHAIN LINK FENCE
- Ⓟ STEEL PLATE BEAM GUARDRAIL
- Ⓠ RETAINING WALL
- Ⓡ GROUND SURFACE (ASSUME EXISTING 7" TOPSOIL DEPTH)
- Ⓢ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- Ⓣ PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1"
- Ⓤ HANDRAIL
- Ⓥ AGGREGATE SHOULDER

NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ N _{DES}
PAVEMENT RESURFACING - BUTTERFIELD ROAD	
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 1 1/2"	4% @ 70 GYRATIONS
LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5mm); (1")	4% @ 70 GYRATIONS
PAVEMENT RESURFACING - COMMONWEALTH LANE	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1 1/2"	4% @ 50 GYRATIONS
LEVELING BINDER (MACHINE METHOD), N50 (IL 9.5mm); (1" TO 2 1/4")*	4% @ 50 GYRATIONS
HMA BINDER COURSE, IL-19.0, N50 (IL 9.5mm)*	4% @ 50 GYRATIONS
TEMPORARY PAVEMENT	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYRATIONS
HMA BINDER COURSE, IL-19.0, N50; 8" (IN 3 LIFTS)	4% @ 50 GYRATIONS
SHOULDERS - BUTTERFIELD ROAD	
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 1 1/2"	4% @ 70 GYRATIONS
HMA SHOULDERS, 6 1/2" (HMA BINDER IL 19mm) (IN 3 LIFTS)	2% @ 30 GYRATIONS
SHOULDERS - COMMONWEALTH LANE	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1 1/2"	4% @ 50 GYRATIONS
HMA SHOULDERS, 6 1/2" (HMA BINDER IL 19mm) (IN 3 LIFTS)	2% @ 30 GYRATIONS
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19mm); 8" (IN 3 LIFTS)	4% @ 70 GYRATIONS

* FOR DEPTHS OF LEVELING BINDER AND BINDER COURSE ALONG COMMONWEALTH LANE, SEE SHEET NO. 38.

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR 76-22" 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 SPECIAL PROVISIONS.

FILE PATH = g:\ch08\0808\road\hwy\01\0808-5-IT-1\TypSecPr.dgn



USER NAME = skan-jell	DESIGNED - TKH	REVISED -
FILE NAME = D:\2008-08-17\TypSecPr.dgn	DRAWN - TKH	REVISED -
PLOT SCALE = 12,0000 / FT.	CHECKED - JMG	REVISED -
PLOT DATE = 10/21/2012	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTTERFIELD ROAD AT COMMONWEALTH LANE
PROPOSED TYPICAL SECTIONS

SCALE: NOT TO SCALE SHEET NO. 12 OF 108 SHEETS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	09-00170-00-CH	DUPAGE	108	12
FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 63742	