

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAP RTE. 333-IL 120 (WASHINGTON ST)
US 14 TO CHARLES ROAD (C.H. 1)
SECTION 15-RS-12

McHENRY COUNTY
ROADWAY RESURFACING

C-91-324-11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
333	15-RS-12	MC HENRY	33	1
		ILLINOIS	CONTRACT NO. 60N54	

D-91-324-11

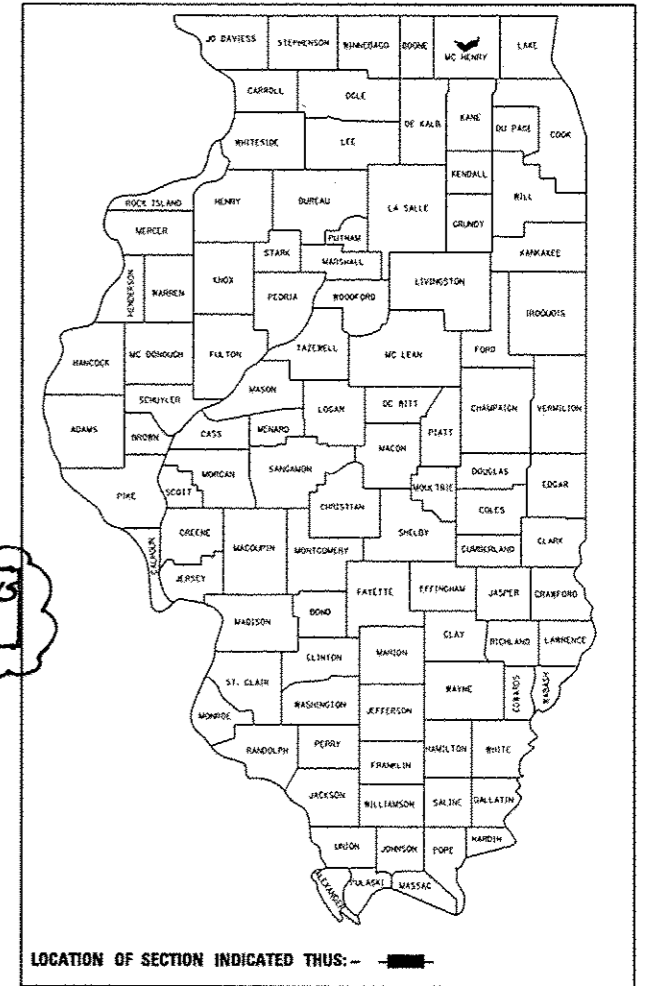
FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

EXISTING ADT (IL 120 (2009): 3800 - US 14 TO MAIN ST.
10700 - MAIN ST. TO CHARLES RD.

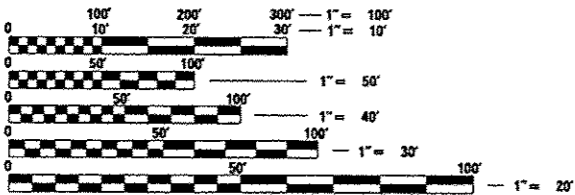
POSTED SPEED LIMIT: VARIES

50 - 55 MPH RURAL
30 - 35 MPH URBAN



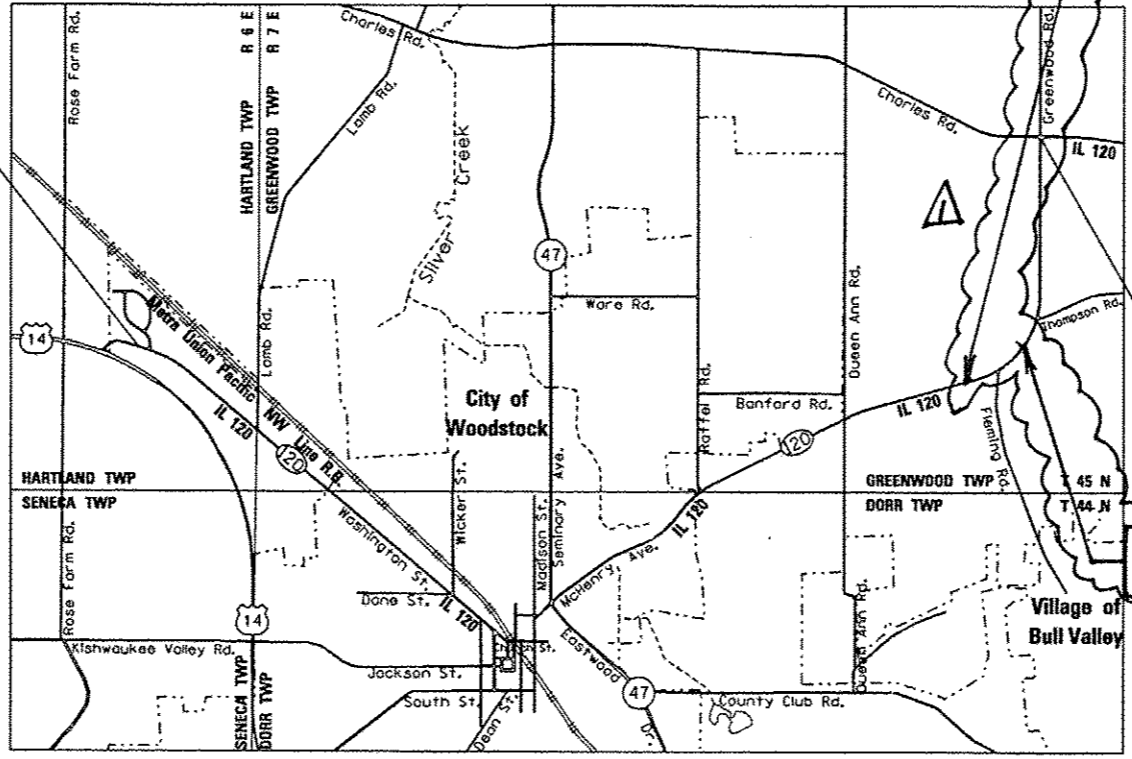
IMPROVEMENT BEGINS
STA. 109 + 95.0

PROJECT IS LOCATED IN THE CITY OF WOODSTOCK



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



OMISSION BEGINS
STA. 390 + 75

IMPROVEMENT ENDS
STA. 460 + 75.0

OMISSION ENDS
STA. 405 + 15



THOMAS M. HEIN, P. E.
IL. LIC. NO. 062-053199
EXP 11-30-2013
DATE 12-12-2012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 14, 2012
John Fortmann, DE
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 10, 2013
John D. Baranowski, PE, BC
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2013
emer Osman, PE, BC
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER ROBERT BORO (847) 705-4237
PROJECT MANAGER ISSAM RAYYAN



LOCATION MAP
NOT TO SCALE
GROSS LENGTH = 35,080 FT. = 6.644 MILE
NET LENGTH = 33,260.3 FT. = 6.299 MILE

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

Rev. 6-3-13

CONTRACT NO. 60N54

SUMMARY OF QUANTITIES

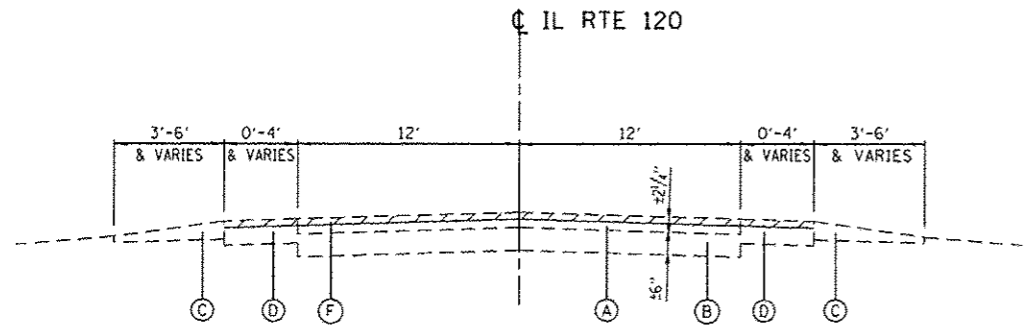
URBAN
100%
STATE

URBAN
100%
STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ROADWAY 0005	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	185	185	
20400800	FURNISHED EXCAVATION	CU YD	100	100	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	1,667	1,667	
21400100	GRADING AND SHAPING DITCHES	FOOT	800	800	
25000210	SEEDING, CLASS 2A	ACRE	0.3	0.3	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	31	31	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	31	31	
25100630	EROSION CONTROL BLANKET	SO YD	1,667	1,667	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	80	80	
40600300	AGGREGATE (PRIME COAT)	TON	475	475	△
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	604	604	
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	4937	4937	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	782	782	△
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	276	276	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	9918	9918	△
42001300	PROTECTIVE COAT	SO YD	33	33	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	117,850	117,850	△
44002209	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/4"	SO YD	2,190	2,190	
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	100	100	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	460	460	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	760	760	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	870	870	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SO YD	90	90	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,182	1,182	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	10	10	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) TANGENT	EACH	3	3	
63200310	GUARDRAIL REMOVAL	FOOT	150	150	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	

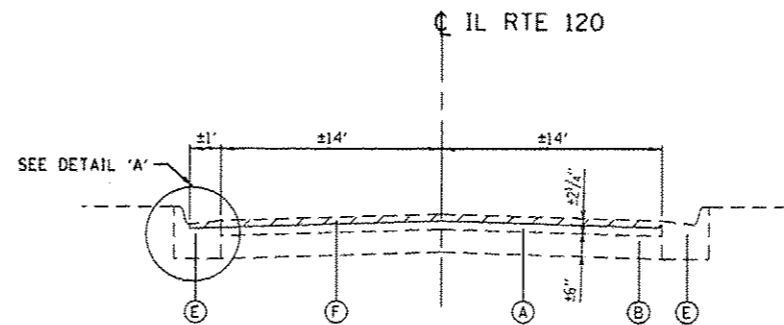
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ROADWAY 0005	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	40,314	40,314	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1168	1168	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	193,743	193,743	△
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	10,743	10,743	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	6039	6039	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	870	870	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	78,899	78,899	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1168	1168	△
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	96,646	96,646	△
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5147	5147	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	450	450	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3019	3019	△
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	435	435	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1066	1066	△
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1066	1066	△
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	313	313	
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	118	118	
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	85	85	
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	100	100	
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	70	70	
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	154.2	154.2	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
⊙ 70076604	TRAINEES-TRAINING PROGRAM GRADUATE	HOUR	500	500	

* SPECIALTY ITEMS
⊙ 0042



EXISTING TYPICAL SECTION

FACING EAST
STA. 109+95 TO STA. 200+75
N.T.S.

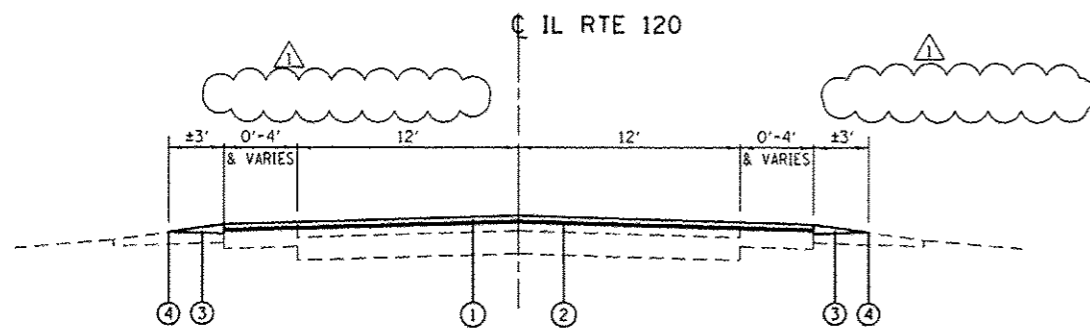


EXISTING TYPICAL SECTION

FACING EAST
STA. 200+75 TO STA. 229+70
STA. 244+29 TO STA. 252+00
N.T.S.

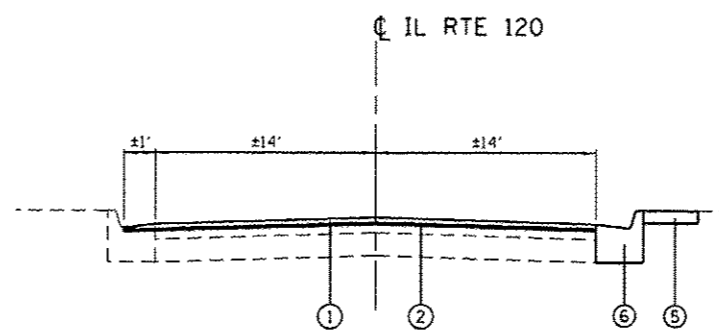
EXISTING LEGEND

- (A) HMA PAVEMENT, VARIES 2 1/4"-7"
- (B) PCC PAVEMENT, VARIES 6"-10"
- (C) AGGREGATE SHOULDER, VARIABLE DEPTH
- (D) HMA SHOULDER
- (E) PCC CURB & GUTTER
- (F) HMA SURFACE REMOVAL, 2 1/4"



PROPOSED TYPICAL SECTION

FACING EAST
STA. 109+95 TO STA. 200+75
N.T.S.



PROPOSED TYPICAL SECTION

FACING EAST
STA. 200+75 TO STA. 229+70
STA. 244+29 TO STA. 252+00
N.T.S.

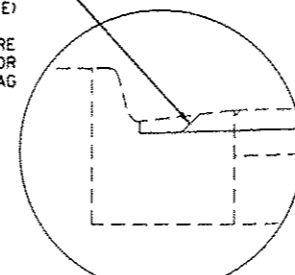
PROPOSED LEGEND

- (1) HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
- (2) POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- (3) AGGREGATE WEDGE SHOULDER, TYPE B
- (4) GRADING & SHAPING SHOULDERS
- (5) TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A
- (6) COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT

* NOTE: LIMITS OF THESE PROPOSED ITEMS TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

EXISTING HMA SURFACE EXTENDS INTO THE GUTTER FLAG FROM STA. 200+75 TO STA. 229+70 LT & RT (LIMITS ARE APPROXIMATE)

REMOVE AND OVERLAY THE ENTIRE WIDTH OF HMA SURFACE COURSE FOR THE DRIVE LANE AND GUTTER FLAG



DETAIL "A"

MIX DESIGNS	AIR VOIDS (%) @ Nos
RESURFACING	
(1) HMA SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 1 1/2" @ 70 GYRATIONS	4%
POLYMERIZED LEVELING BINDER, IL-4.75, N50; 3/4"	3.5%
PATCHING	
CLASS D PATCHES (BINDER IL-19MM)	4%
HMA REPLACEMENT OVER PATCHES	4%

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SY/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.
**PPP SPECIAL PROVISION ONLY APPLIES TO HMA SURFACE CSE, MIX D, N70

THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING

ENTIRE SHEET REVISED, 5/31/13, DLP

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USER NAME = dpianszek	DESIGNED = DJB	REVISED =
PLOT SCALE = 1/8" = 1'	DRAWN = STANTEC	REVISED =
PLOT DATE = 5/31/2013	CHECKED = TMH	REVISED =
	DATE = 5/31/2013	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 120 ROADWAY RESURFACING		F.A.P. RTE. 333	SECTION 15-RS-12	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 4
SCALE: 1/8" = 1'	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 60N54			

F.A.P. RTE. 333	SECTION 15-RS-12	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

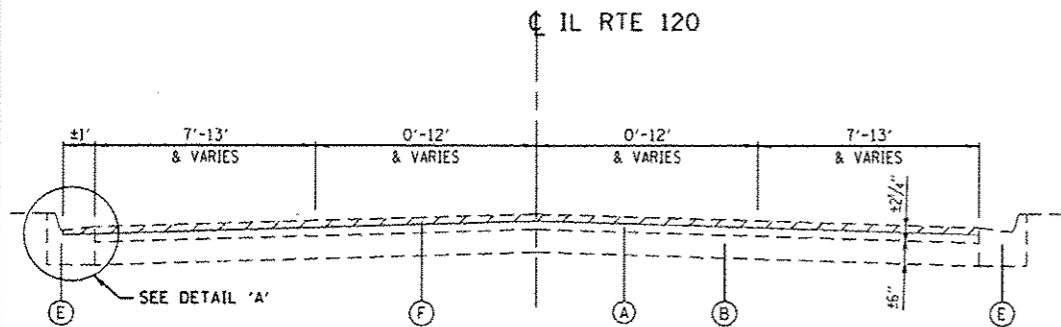
EXISTING LEGEND

- Ⓐ HMA PAVEMENT, VARIES 2 1/4"-7"
- Ⓑ PCC PAVEMENT, VARIES 6"-10"
- Ⓒ AGGREGATE SHOULDER, VARIABLE DEPTH
- Ⓓ HMA SHOULDER
- Ⓔ PCC CURB & GUTTER
- Ⓕ HMA SURFACE REMOVAL, 2 1/4"

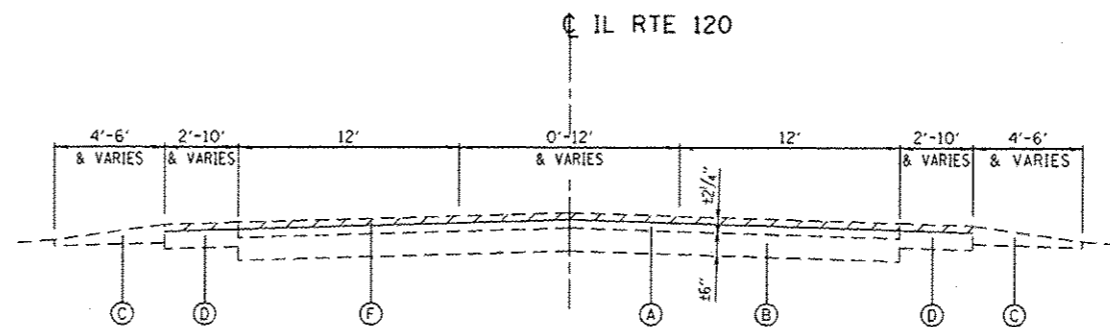
PROPOSED LEGEND

- ① HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
- ② POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 1/4"
- *③ AGGREGATE WEDGE SHOULDER, TYPE B
- *④ GRADING & SHAPING SHOULDERS
- *⑤ TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A
- *⑥ COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT

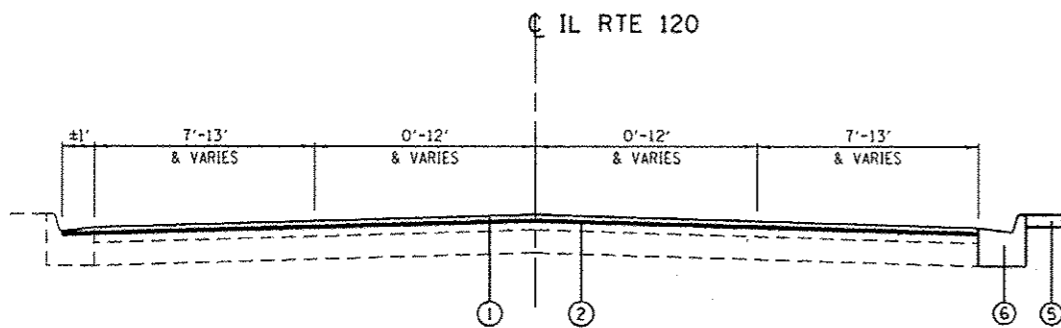
* NOTE: LIMITS OF THESE PROPOSED ITEMS TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.



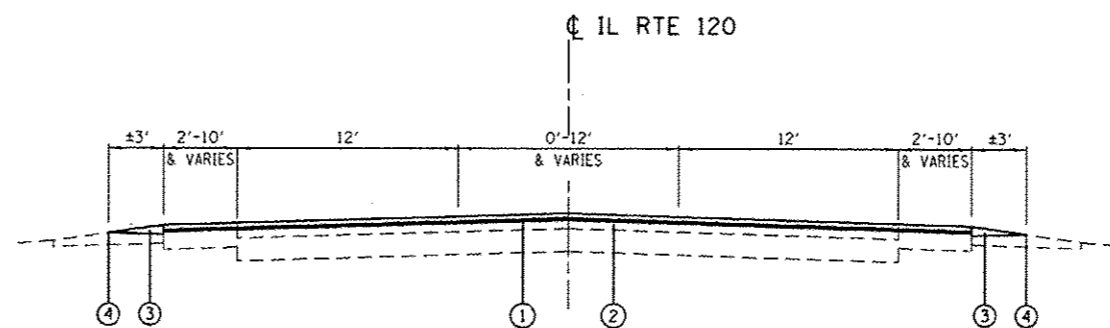
EXISTING TYPICAL SECTION
FACING EAST
STA. 229+70 TO STA. 244+29
STA. 252+00 TO STA. 311+80
N.T.S.



EXISTING TYPICAL SECTION
FACING EAST
STA. 311+80 TO STA. 460+75
N.T.S.



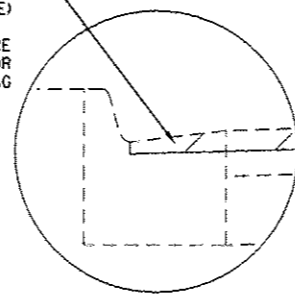
PROPOSED TYPICAL SECTION
FACING EAST
STA. 229+70 TO STA. 244+29
STA. 252+00 TO STA. 311+80
N.T.S.



PROPOSED TYPICAL SECTION
FACING EAST
STA. 311+80 TO STA. 460+75
N.T.S.

THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING

EXISTING HMA SURFACE EXTENDS INTO THE GUTTER FLAG FROM STA. 229+70 TO STA. 244+29 LT & RT (LIMITS ARE APPROXIMATE)
REMOVE AND OVERLAY THE ENTIRE WIDTH OF HMA SURFACE COURSE FOR THE DRIVE LANE AND GUTTER FLAG



DETAIL "A"

ENTIRE SHEET REVISED, 5/31/13, DLP

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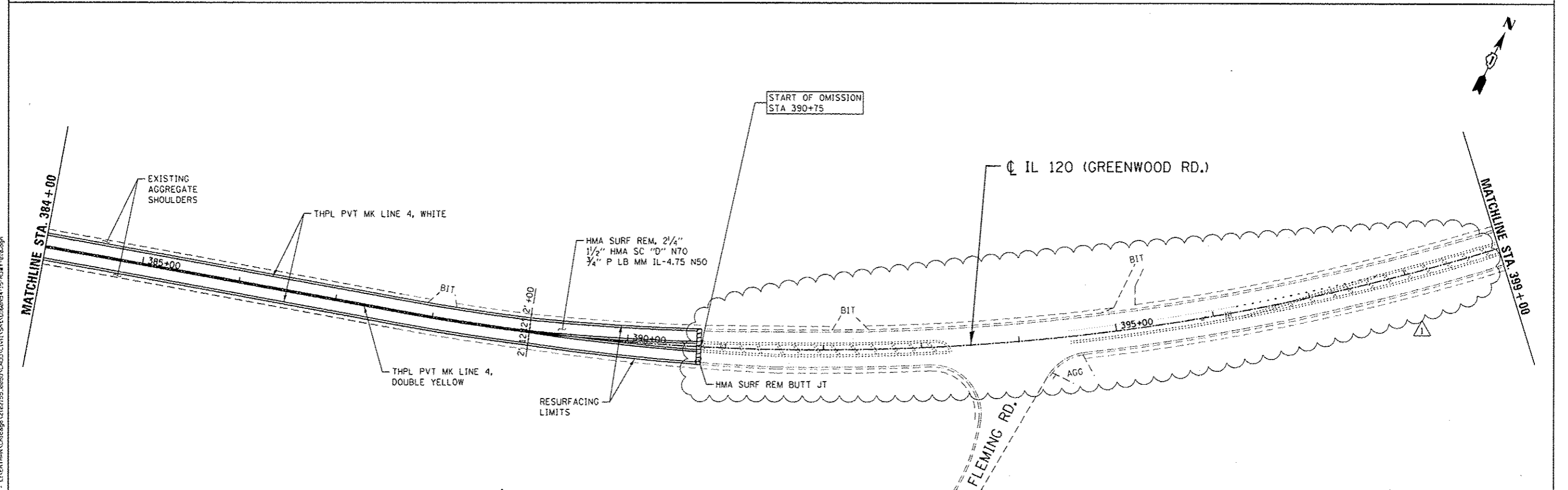
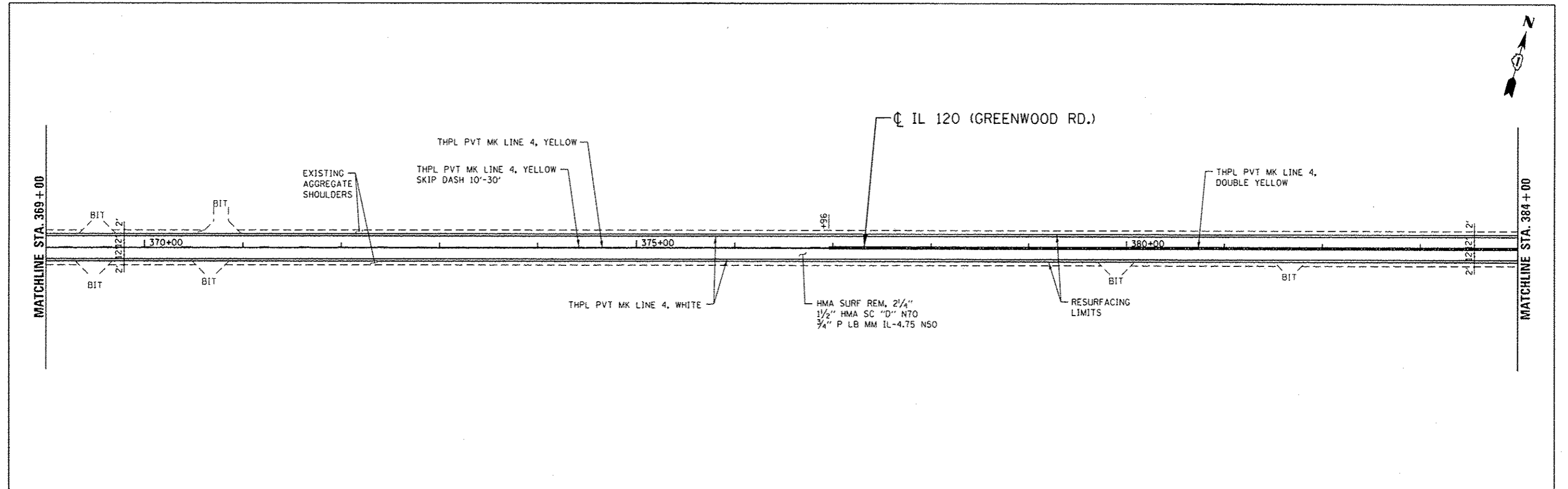


USER NAME = dpeniazek	DESIGNED - DJB	REVISED -
PLOT SCALE = 100.00' / 1"	DRAWN - STANTEC	REVISED -
PLOT DATE = 5/31/2013	CHECKED - TMH	REVISED -
	DATE = 5/31/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

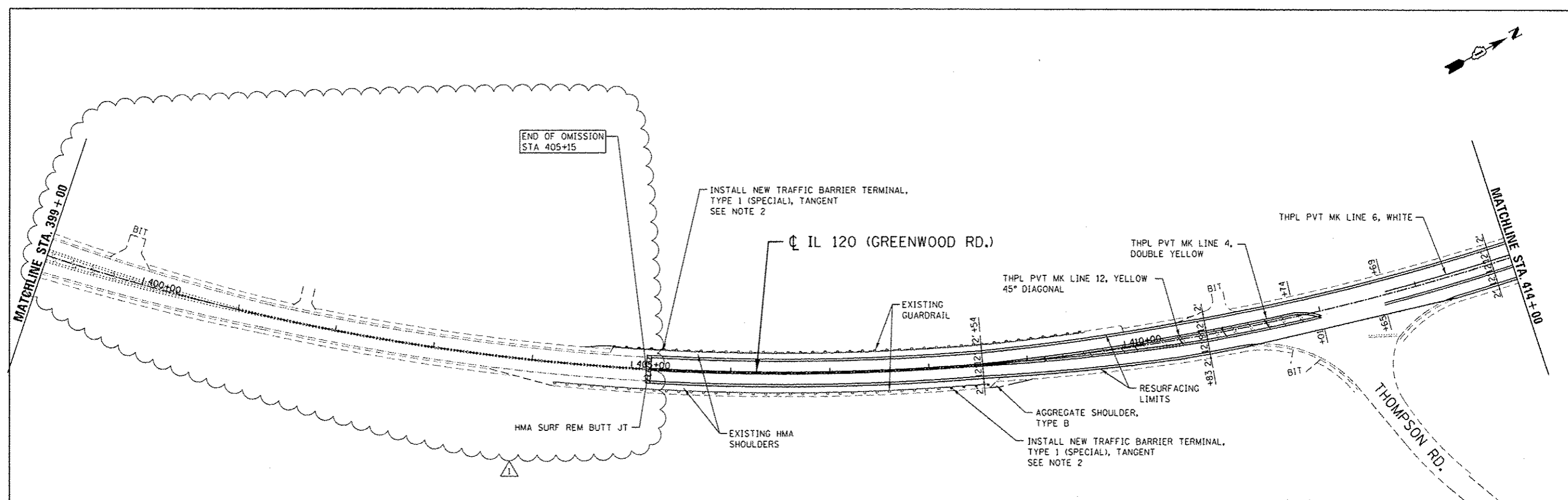
IL ROUTE 120 ROADWAY RESURFACING			
TYPICAL CROSS SECTIONS			
SCALE: 100.00' / 1"	SHEET NO. OF SHEETS	STA.	TO STA.

F.A.P. RTE. 333	SECTION 15-RS-12	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60N54	

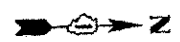


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	USER NAME = dpeniozek	DESIGNED - DJB	REVISED 1 REV 5-31-2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 120 ROADWAY RESURFACING EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN			F.A. RTE. 333	SECTION 15-RS-12	COUNTY MCHENRY	TOTAL SHEETS 33	SHEET NO. 15		
	PLOT SCALE = 08.00' / in.	CHECKED - TMH	REVISED -					CONTRACT NO. 60N54						
	PLOT DATE = 5/30/2013	DATE = 5/31/2013	REVISED -					ILLINOIS FED. AID PROJECT						
	SCALE: SHEET NO. OF SHEETS STA. TO STA.													

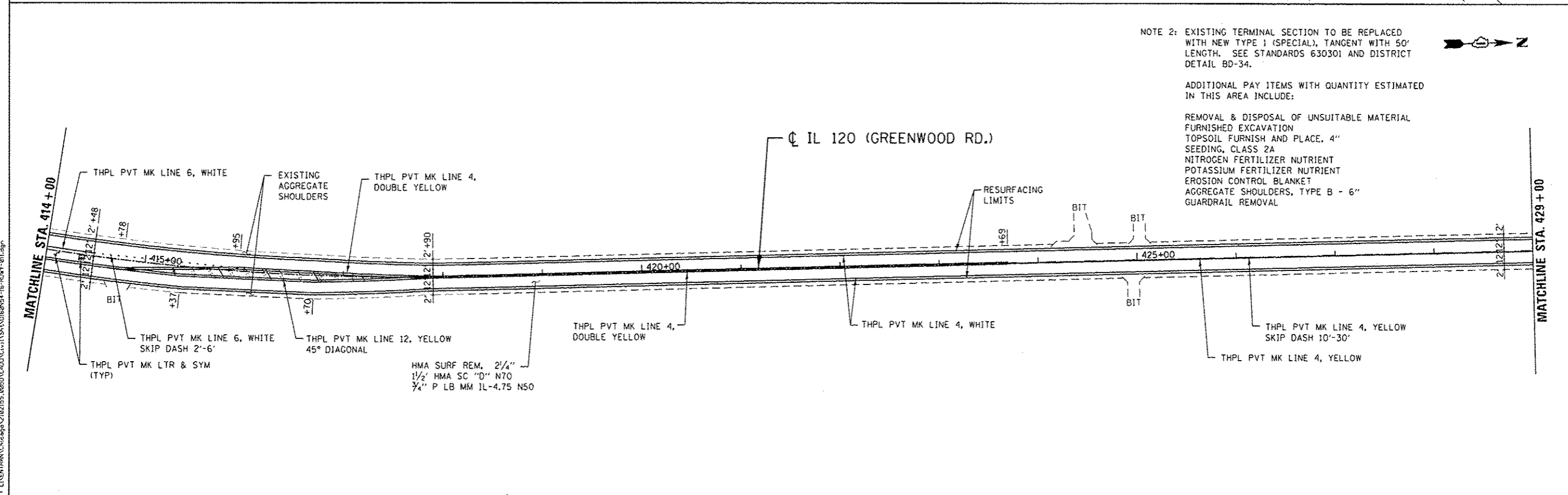


NOTE 2: EXISTING TERMINAL SECTION TO BE REPLACED WITH NEW TYPE 1 (SPECIAL), TANGENT WITH 50' LENGTH. SEE STANDARDS 630301 AND DISTRICT DETAIL BD-34.



ADDITIONAL PAY ITEMS WITH QUANTITY ESTIMATED IN THIS AREA INCLUDE:

- REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL
- FURNISHED EXCAVATION
- TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 2A
- NITROGEN FERTILIZER NUTRIENT
- POTASSIUM FERTILIZER NUTRIENT
- EROSION CONTROL BLANKET
- AGGREGATE SHOULDERS, TYPE B - 6"
- GUARDRAIL REMOVAL



FILE NAME: L:\ENR\TRAN\Chicago\21820155_0050\GOOD\CAD\1\5\AND\18R54-16-ROWY-211.dwg

	USER NAME: dpmisazek	DESIGNED: DJB	REVISED: 1	REV. 5-31-2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 120 ROADWAY RESURFACING EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN		F.A. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:
	PLOT SCALE: 38.88' / in.	DRAWN: STANTEC	REVISION:					333	15-RS-12	MCHENRY	33	16
	PLOT DATE: 5/30/2013	CHECKED: TMH	REVISION:					CONTRACT NO. 60N54				
		DATE: 5/31/2013	REVISION:					ILLINOIS FED. AID PROJECT				
						SCALE:	SHEET NO.:	OF SHEETS:	STA. TO STA.:			