

04-26-2019 LETTING ITEM 071

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B61A	119RS-3	RANDOLPH	18	1
ALANDS			CONTRACT NO. 76L07	

D-98-016-18



FOR INDEX OF SHEETS, SEE SHEET NO. 2

# PROPOSED HIGHWAY PLANS

FAP ROUTE 861A (IL 150)  
SECTION 119RS-4  
PROJECT NHPP-TMXM(056)  
RESURFACING

RANDOLPH COUNTY

C-98-156-18

**TRAFFIC DATA**

**COUNTY FARM RD. TO CITY LIMITS**

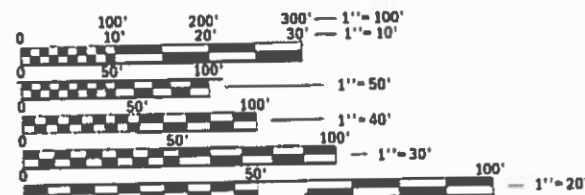
2017 ADT = 5700 (ACTUAL)  
2018 ADT = 5800 (ESTIMATED)  
2038 ADT = 7300 (ESTIMATED)  
SU = 7.1% MU = 17.1%

**CITY LIMITS TO BRIAR HILL RD**

2017 ADT = 10000 (ACTUAL)  
2018 ADT = 10100 (ESTIMATED)  
2038 ADT = 12800 (ESTIMATED)  
SU = 4.4% MU = 24.6%

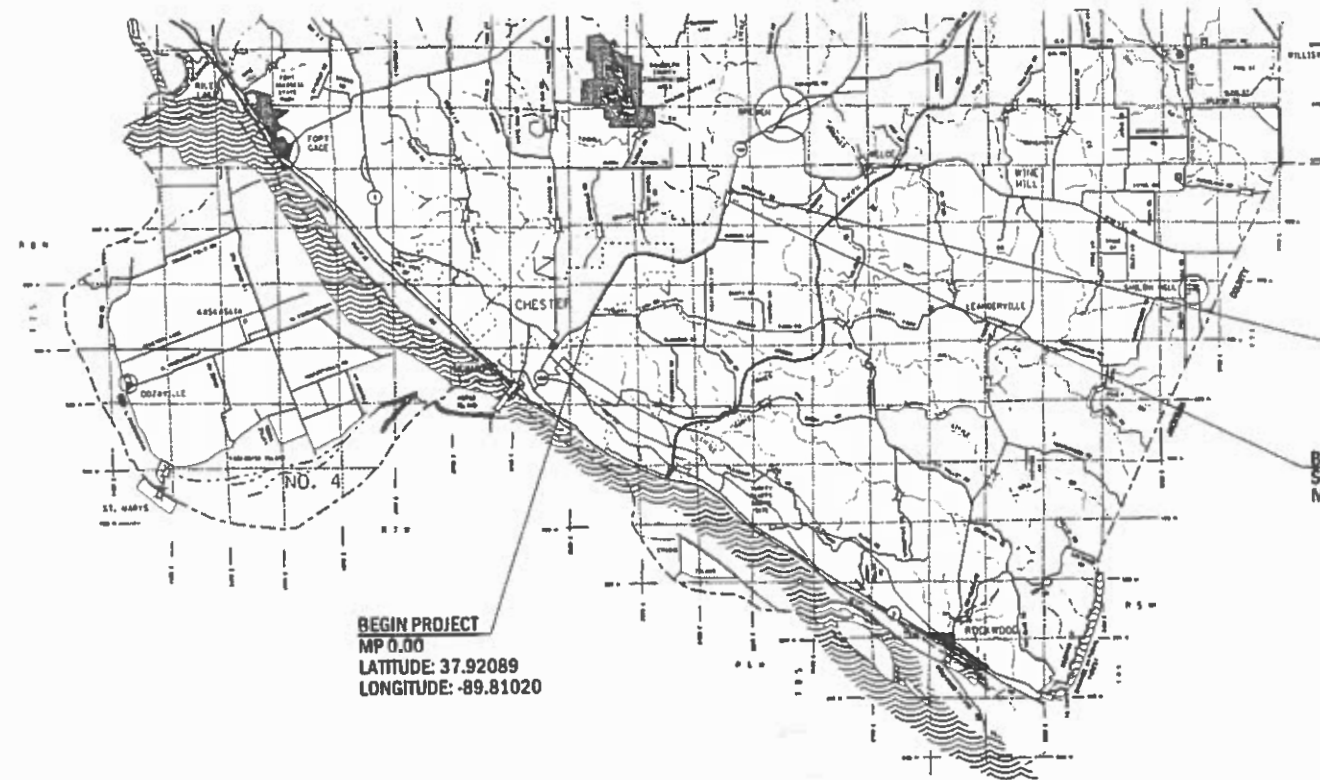
**DESIGN DESIGNATION**

OTHER ARTERIAL



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



END PROJECT IL 150  
MP 3.68  
LATITUDE: 37.95096  
LONGITUDE: -89.76611

BRIDGE OMISSION  
STR. NO. 079-0045  
M.P. 3.52 TO M.P. 3.56

BEGIN PROJECT  
MP 0.00  
LATITUDE: 37.92089  
LONGITUDE: -89.81020

**LOCATION MAP**  
(NOT TO SCALE)

GROSS LENGTH = 19430 FT. = 3.68 MILE  
NET LENGTH = 19153 FT. = 3.63 MILE

PROJECT ENGINEER: HERVE GELIN (618) 346-3179  
PROJECT MANAGER: ALVIN NIEVES-ROSARIO (618) 346-3145

CONTRACT NO. 76L07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Jan 13 2019*  
*Fatih Robert*  
REGIONAL ENGINEER

*March 22 2019*  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

*March 22 2019*  
*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

1. COVER SHEET
2. GENERAL NOTES, INDEX OF SHEETS, STANDARDS, COMMITMENTS
- 3.-4. SUMMARY OF QUANTITIES
- 5.-8. TYPICAL SECTIONS
9. LOCATION MAP
- 10.-12. SCHEDULE OF QUANTITIES
13. SURVEY MONUMENTS
- 14.-15. GUARDRAIL DETAILS
16. SHOULDER AND ENTRANCE DETAILS
17. SHOULDER & CLASS C PATCHING DETAILS
18. RESURFACING DETAILS

**HIGHWAY STANDARDS**

000001-07	STANDARD SYMBOLS AND ABBREVIATIONS & PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
442101-09	CLASS B PATCHES
442201-03	CLASS C & D PATCHES
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701001-02	OFF-RD OPERATIONS, 2L, 2W MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS 2L,2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥45 MPH
701311-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAV WIDENING, FOR SPEEDS ≥45 MPH
701336-06	LANE CLOSURE, 2L, 2W, WORK IN SERIES, FOR SPEEDS ≥45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

**GENERAL NOTES**

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
2. THE LOCATIONS OF THE REPAIR AREAS AS SHOWN IN THE PLANS ARE APPROXIMATE LOCATIONS. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
3. NO OVERNIGHT LANE CLOSURES SHALL BE ALLOWED ON THE PROJECT. HIGH EARLY STRENGTH CONCRETE SHALL BE USED FOR CLASS B AND CLASS C CONCRETE PATCHING.
4. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR I.T.S. UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS.
5. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
AMEREN ILLINOIS*	X	X
CLEARWAVE COMMUNICATIONS*	X	X
CITY OF CHESTER WATER & SANITARY SEWER*		X
CITY OF CHESTER GAS*		X
EGYPTIAN WATER COMPANY*		X
NEWWAVE COMMUNICATIONS*	X	X
FRONTIER COMMUNICATIONS*	X	X

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY \* NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

6. CONCRETE PATCHES EXIST WITHIN THE LIMITS OF THE RESURFACING. THE COST OF MILLING THE CONCRETE PATCHES WILL BE INCLUDED IN THE PAY ITEM FOR "HOT-MIX ASPHALT SURFACE REMOVAL" OF THE SPECIFIED DEPTH.

7. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES UNLESS OTHERWISE NOTED IN THE PLANS.
8. SHORT TERM PAVEMENT MARKING SHALL BE REMOVED FROM THE FINAL SURFACE ONLY AND SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL (SQ FT)".
9. THE TEMPORARY RAMPS USED ON ALL SIDE STREETS AND ENTRANCES SHALL BE 2 FEET IN LENGTH SO AS NOT TO INTERFERE WITH THE THRU TRAFFIC LANES.
10. THE MATERIAL TRANSFER DEVICE CAN OPERATED IN AN UNLOADED FASHION ACROSS S.N. 079-0045
11. THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITTED FOR THIS PROJECT FROM MILE POINT 0.00 TO MILE POINT 1.78 THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE CONSTRUCTION OF THE BITUMINOUS PAVEMENTS AS SPECIFIED IN SECTIONS 406 & 407 OF THE STANDARD SPECIFICATIONS.
12. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT THE BEGINNING OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.
13. THE VARIOUS THICKNESS OF BITUMINOUS SURFACE REMOVAL SHOWN ON THE PLANS IS THE AVERAGE THICKNESS BASED UPON CONTROLLING THICKNESS AS INDICATED. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE. BITUMINOUS SURFACE REMOVAL HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF REMOVING HIGH IRREGULARITIES AND TO ESTABLISH CROSS SLOPE.
14. THE CONTRACTOR SHALL MAINTAIN POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
15. THE TRENCHES FOR THE PROPOSED HMA SHOULDERS 8" SHALL BE FILLED THE SAME DAY THEY ARE EXCAVATED. NO OVERNIGHT TRENCHES SHALL BE ALLOWED.
16. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	POLY SURFACE	BINDER	PATCHING
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION)	IL 9.5	IL 19.0	IL 19.0
FRICTION AGG	MIXTURE "D"	MIXTURE "B"	MIXTURE "B"
QUALITY MGMT PROGRAM	QCP	QCP	QC/QA

MIXTURE USE	SHOULDER ≥ 2.25"	SHOULDER < 2.25"
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=30	4.0% @ Ndes=30
MIX COMPOSITION (GRADATION)	IL 19.0L	IL 9.5L
FRICTION AGG		
QUALITY MGMT PROGRAM	QC/QA	QC/QA

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

16. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.

**COMMITMENTS**

NONE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE						80% FED 20% STATE	
				ROADWAY 0005 RURAL	ROADWAY 0005 URBAN					ROADWAY 0005 RURAL	ROADWAY 0005 URBAN
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	163	163		44213200	SAW CUTS	FOOT	5360	3266	2094
20400800	FURNISHED EXCAVATION	CU YD	180	180		44213202	TIE BARS 1"	EACH	392	62	330
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	30432	16188	14244	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	38333	19536	18797
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	12638	6287	6351	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2800	1709	1091
40600990	TEMPORARY RAMP	SQ YD	1011	262	749	48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	5428	5428	
40603090	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N90	TON	7145	3520	3625	48203100	HOT-MIX ASPHALT SHOULDERS	TON	455	119	336
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	5791	2857	2934	*63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1062.5	1062.5	
42000060	WELDED WIRE REINFORCEMENT	SQ YD	978	358	620	*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	10	6	4
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	2927	1214	1713	63200310	GUARDRAIL REMOVAL	FOOT	675		675
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	56167	27940	28227	64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	16812	16812	
44201043	CLASS B PATCHES, TYPE II, 16 INCH	SQ YD	780	407	373	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	5	4
44201047	CLASS B PATCHES, TYPE III, 16 INCH	SQ YD	270	178	92	67100100	MOBILIZATION	LSUM	1	0.52	0.48
44201048	CLASS B PATCHES, TYPE IV, 16 INCH	SQ YD	368	209	159	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1	
44201297	DOWEL BARS 1"	EACH	2156	1232	924	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	LSUM	1	1	
						70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	0.52	0.48

\* SPECIALTY ITEM

REV. - MS

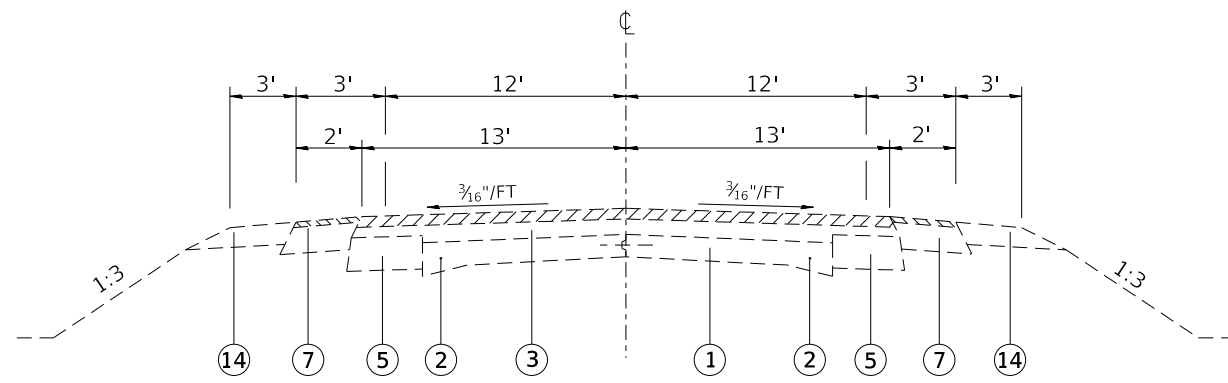
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PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -	CONTRACT NO. 76L07							
PLOT DATE = 1/31/2019	DATE -	REVISED -	ILLINOIS/FED. AID PROJECT							
				SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	
				ROADWAY 0005 RURAL	ROADWAY 0005 URBAN
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1		1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LSUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3870	2022	1848
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1290	674	616
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	218	218	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	61442	29412	32030
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	80		80
*72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	6	4
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	218	218	
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	61442	29412	32030
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	80		80
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	317	125	192
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	26	15	11

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	
				ROADWAY 0005 RURAL	ROADWAY 0005 URBAN
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	317	125	192
X4420743	CLASS C PATCHES, TYPE IV, 16" (SPECIAL)	SQ YD	369		369
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	20481	9804	10677
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	19166	9768	9398
Z0034105	MATERIAL TRANSFER DEVICE	TON	12936	6378	6558
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	2		2
Ø Z0076600	TRAINEES	HOUR	1500	1500	
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500	1500	

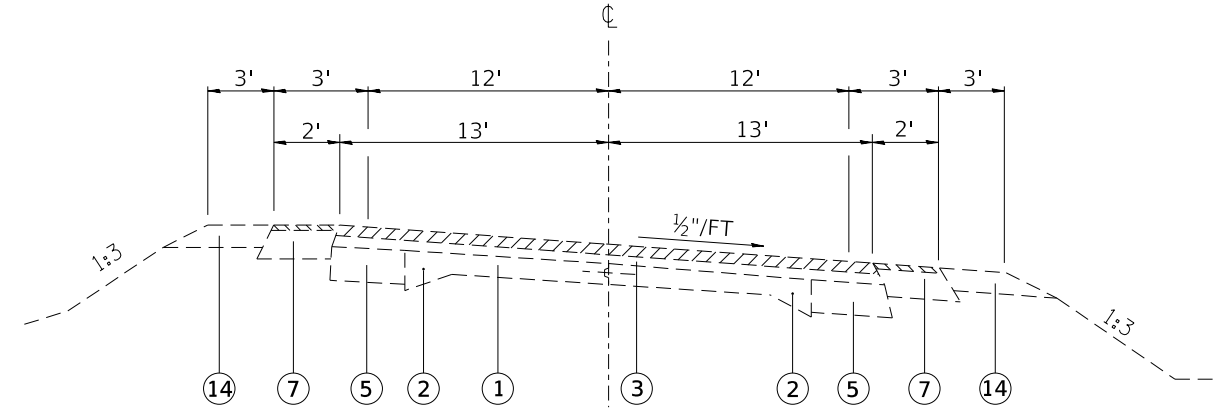
\* SPECIALTY ITEM  
Ø 0042

REV. - MS



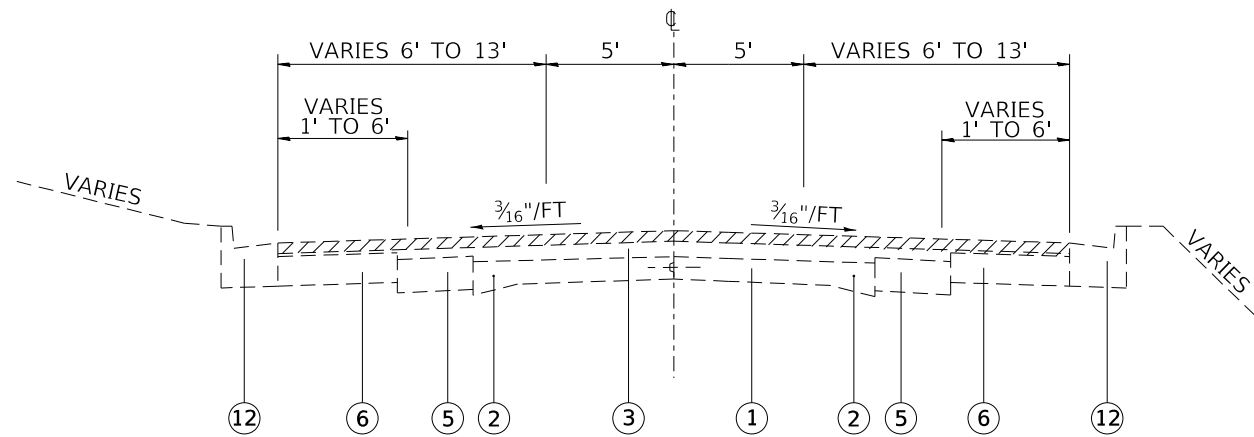
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M.P. 0.00 TO M.P. 0.33  
M.P. 0.65 TO M.P. 1.09  
M.P. 1.30 TO M.P. 1.41  
M.P. 1.64 TO M.P. 1.78  
(SEE GUTTER SECTION)



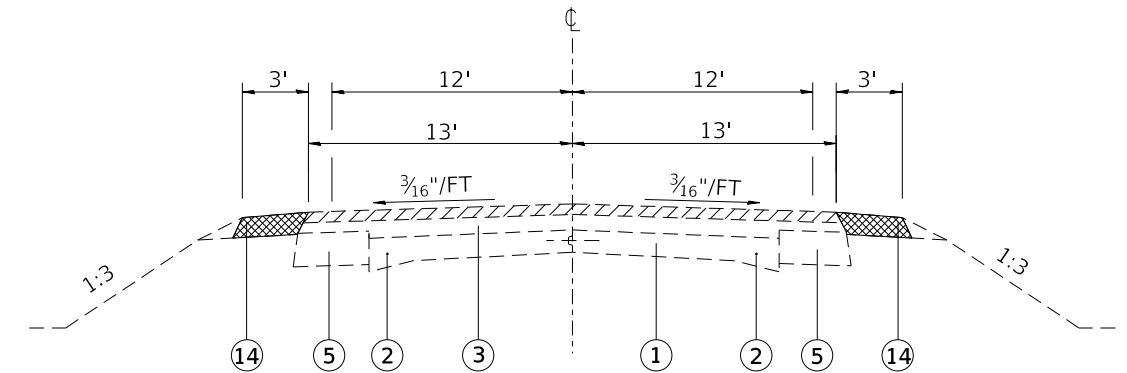
**EXISTING TYPICAL**

M.P. 1.09 TO M.P. 1.30  
M.P. 1.41 TO M.P. 1.64  
(SEE GUTTER SECTION)



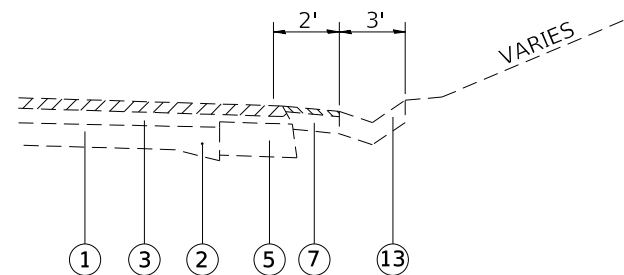
**EXISTING TYPICAL**

M.P. 0.33 TO M.P. 0.65



**EXISTING TYPICAL**

M.P. 1.78 TO M.P. 3.40



**EXISTING TYPICAL (GUTTER SECTION)**

M.P. 1.16 TO M.P. 1.23 LT.  
M.P. 1.68 TO M.P. 1.75 LT.  
M.P. 1.92 TO M.P. 1.96 LT.  
M.P. 2.31 TO M.P. 2.49 RT.  
M.P. 2.51 TO M.P. 2.63 LT.

- PROPOSED HMA SURFACE REMOVAL, 1 3/4"
- PROPOSED HMA SURFACE REMOVAL, 4"
- PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

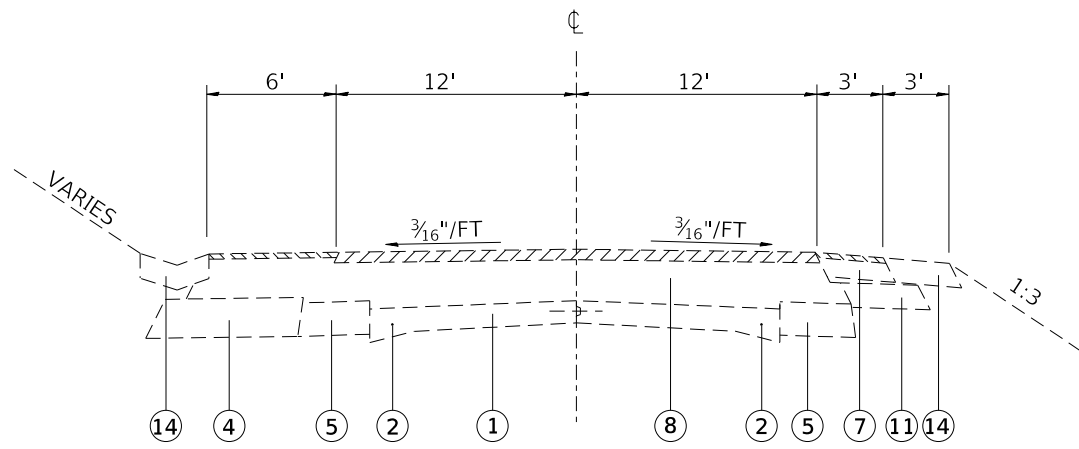
**LEGEND**

- 1 EXISTING PCC PAVEMENT
- 2 EXISTING 1/2" DEFORMED BARS
- 3 EXISTING HMA SURFACE, VARIABLE DEPTH
- 4 EXISTING AGGREGATE BASE COURSE, 10"
- 5 EXISTING BASE COURSE WIDENING, 9"
- 6 EXISTING PCC BASE COURSE WIDENING
- 7 EXISTING HMA SHOULDER
- 8 EXISTING HMA BINDER, VARIABLE DEPTH
- 9 EXISTING AGGREGATE BASE COURSE, 12"
- 10 EXISTING HMA FULL DEPTH PAVEMENT, 14"
- 11 EXISTING BASE COURSE WIDENING, 10"
- 12 EXISTING CURB & GUTTER
- 13 EXISTING CONCRETE GUTTER
- 14 EXISTING AGGREGATE SHOULDER
- 15 PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- 16 PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- 17 PROPOSED HMA BINDER COURSE, 2.25"
- 18 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "D", N90 - 1.75"
- 19 PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- 20 PROPOSED HMA SHOULDERS, 8"
- 21 PROPOSED HMA SHOULDERS, 1.75"
- 22 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- 23 PROPOSED THERMOPLASTIC PAVEMENT MARKING
- 24 PROPOSED SHOULDER RUMBLE STRIPS, 8"
- 25 PROPOSED LONGITUDINAL JOINT SEALANT

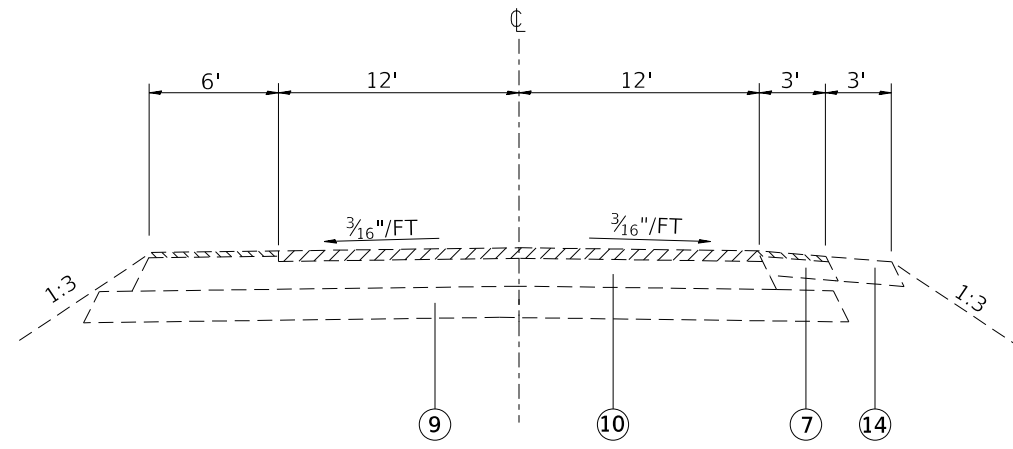
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

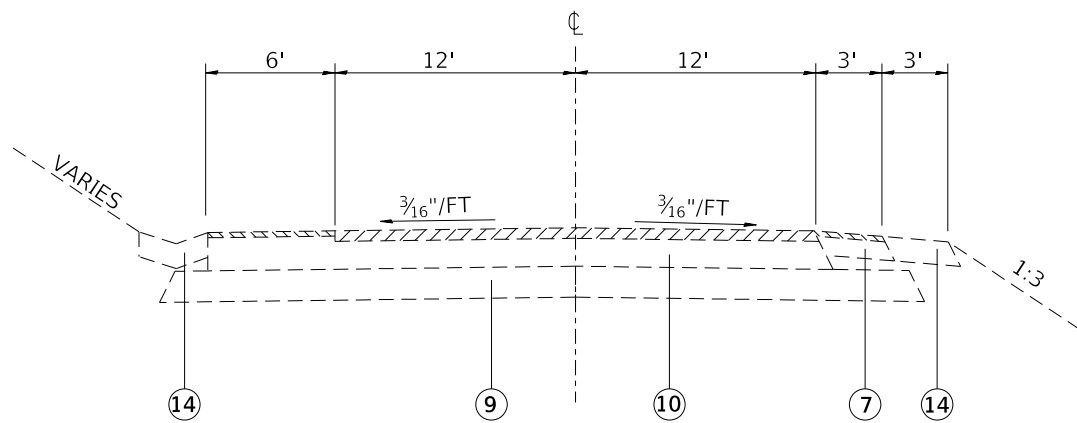
<b>EXISTING TYPICAL SECTIONS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SCALE:		SHEET 1 OF 4 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT



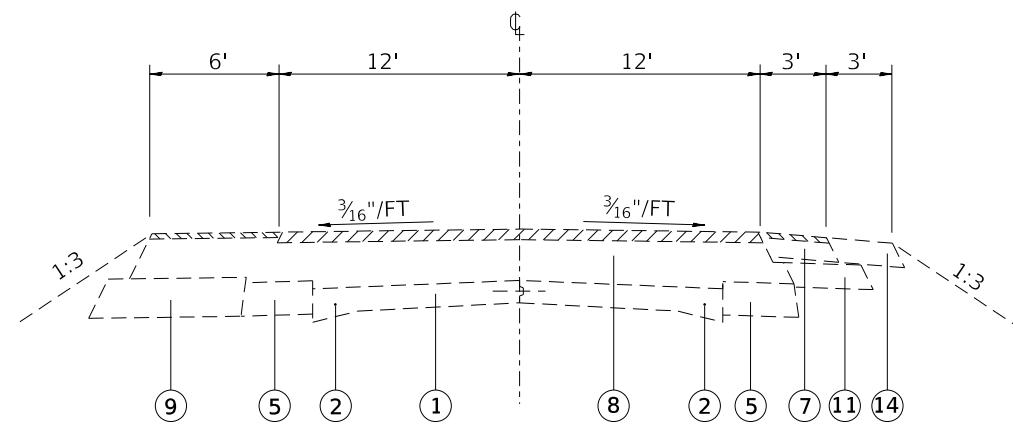
EXISTING TYPICAL  
M.P. 3.40 TO M.P. 3.46



EXISTING TYPICAL  
M.P. 3.49 TO M.P. 3.52



EXISTING TYPICAL  
M.P. 3.46 TO M.P. 3.49



EXISTING TYPICAL  
M.P. 3.57 TO M.P. 3.68

**LEGEND**

- ① EXISTING PCC PAVEMENT
- ② EXISTING 1/2" DEFORMED BARS
- ③ EXISTING HMA SURFACE, VARIABLE DEPTH
- ④ EXISTING AGGREGATE BASE COURSE, 10"
- ⑤ EXISTING BASE COURSE WIDENING, 9"
- ⑥ EXISTING PCC BASE COURSE WIDENING
- ⑦ EXISTING HMA SHOULDER
- ⑧ EXISTING HMA BINDER, VARIABLE DEPTH
- ⑨ EXISTING AGGREGATE BASE COURSE, 12"
- ⑩ EXISTING HMA FULL DEPTH PAVEMENT, 14"
- ⑪ EXISTING BASE COURSE WIDENING, 10"
- ⑫ EXISTING CURB & GUTTER
- ⑬ EXISTING CONCRETE GUTTER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ⑯ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ⑰ PROPOSED HMA BINDER COURSE, 2.25"
- ⑱ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "D", N90 - 1.75"
- ⑲ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑳ PROPOSED HMA SHOULDERS, 8"
- ㉑ PROPOSED HMA SHOULDERS, 1.75"
- ㉒ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ㉓ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉔ PROPOSED SHOULDER RUMBLE STRIPS, 8"
- ㉕ PROPOSED LONGITUDINAL JOINT SEALANT

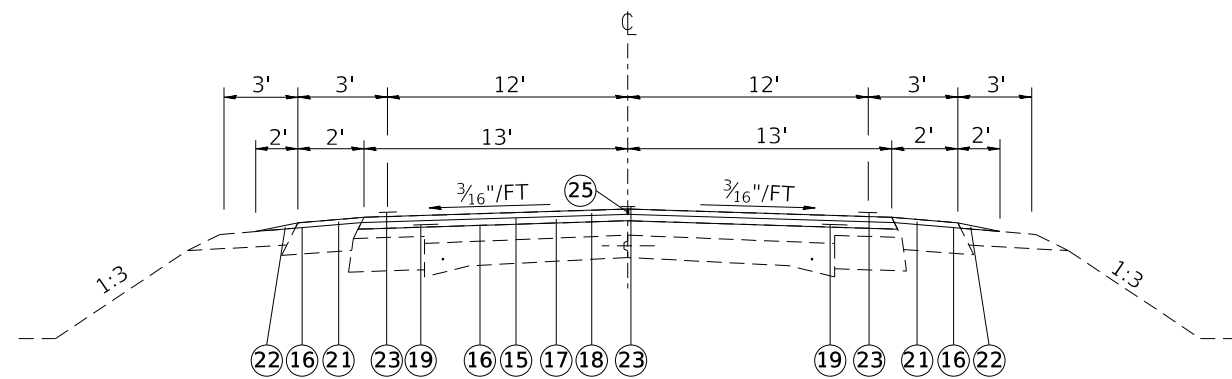
- PROPOSED HMA SURFACE REMOVAL, 1 3/4"
- PROPOSED HMA SURFACE REMOVAL, 4"
- PROPOSED EXCAVATING AND GRADING EXISTING SHOULDER

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

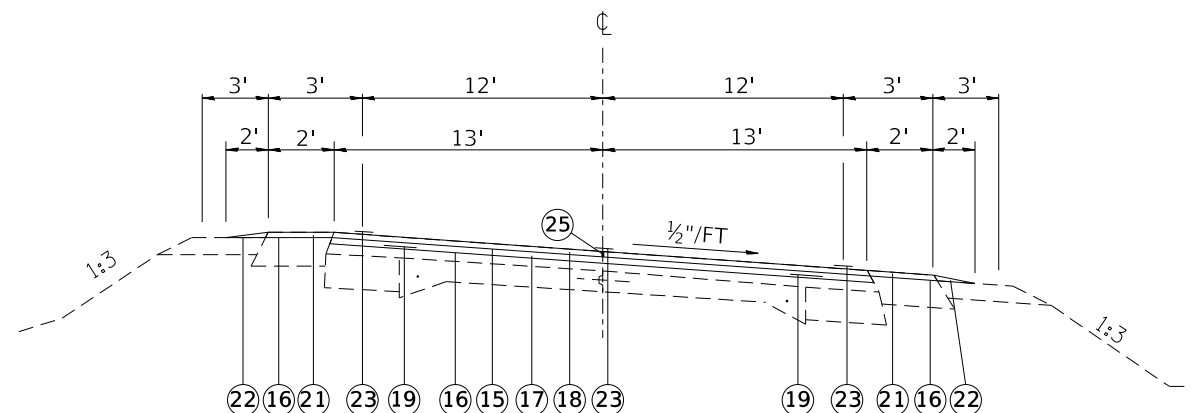
<b>EXISTING TYPICAL SECTIONS</b>			
SCALE:	SHEET 2	OF 4 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
861A	119RS-3	RANDOLPH	18	6
			CONTRACT NO. 76L07	
ILLINOIS FED. AID PROJECT				



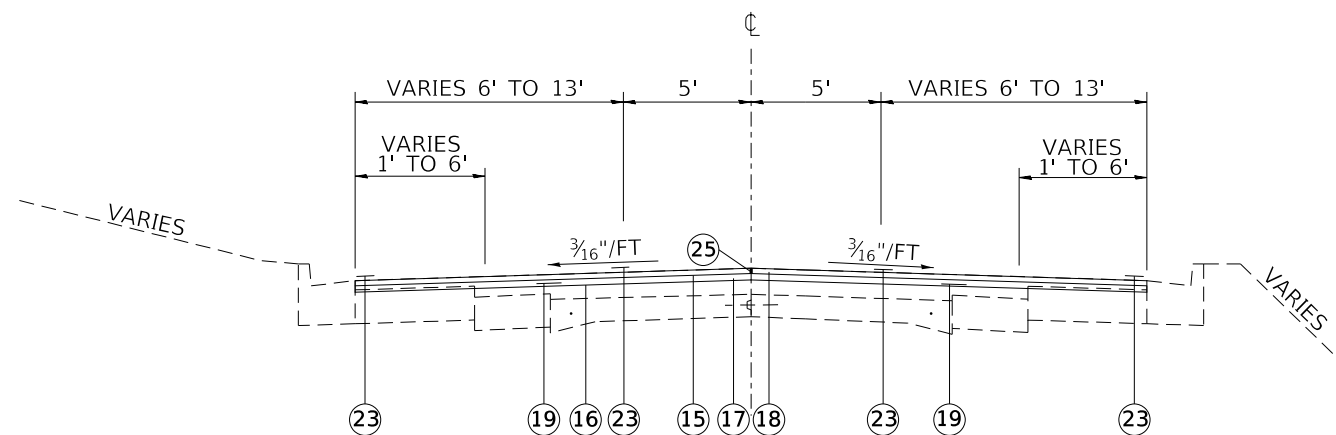
**PROPOSED TYPICAL**

M.P. 0.00 TO M.P. 0.33  
M.P. 0.65 TO M.P. 1.09  
M.P. 1.30 TO M.P. 1.41  
M.P. 1.64 TO M.P. 1.78  
(SEE GUTTER SECTION)



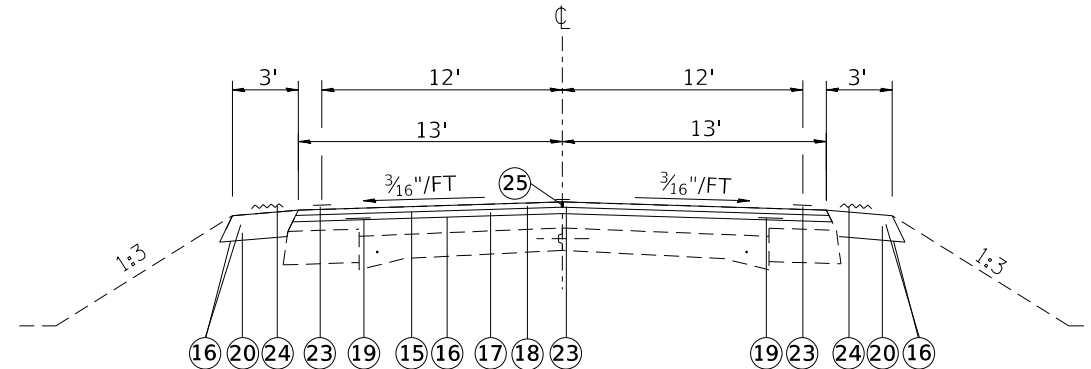
**PROPOSED TYPICAL**

M.P. 1.09 TO M.P. 1.30  
M.P. 1.41 TO M.P. 1.64  
(SEE GUTTER SECTION)



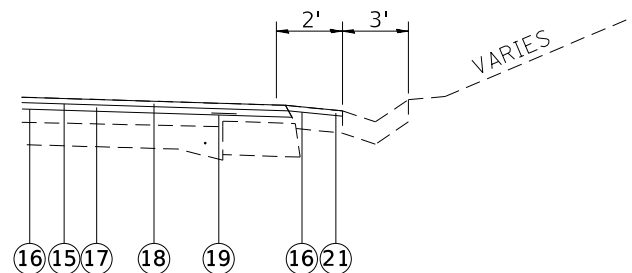
**PROPOSED TYPICAL**

M.P. 0.33 TO M.P. 0.65



**PROPOSED TYPICAL**

M.P. 1.78 TO M.P. 3.40



**PROPOSED TYPICAL (GUTTER SECTION)**

M.P. 1.16 TO M.P. 1.23 LT.  
M.P. 1.68 TO M.P. 1.75 LT.  
M.P. 1.92 TO M.P. 1.96 LT.  
M.P. 2.31 TO M.P. 2.49 RT.  
M.P. 2.51 TO M.P. 2.63 LT.

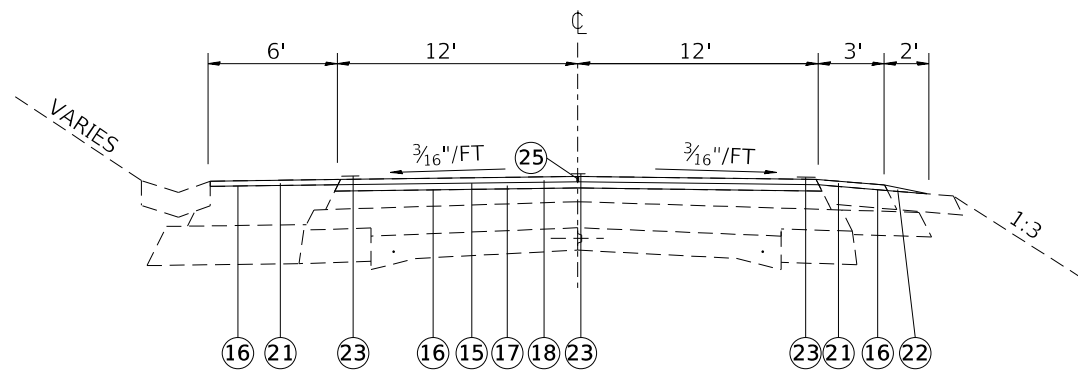
**LEGEND**

- ① EXISTING PCC PAVEMENT
- ② EXISTING 1/2" DEFORMED BARS
- ③ EXISTING HMA SURFACE, VARIABLE DEPTH
- ④ EXISTING AGGREGATE BASE COURSE, 10"
- ⑤ EXISTING BASE COURSE WIDENING, 9"
- ⑥ EXISTING PCC BASE COURSE WIDENING
- ⑦ EXISTING HMA SHOULDER
- ⑧ EXISTING HMA BINDER, VARIABLE DEPTH
- ⑨ EXISTING AGGREGATE BASE COURSE, 12"
- ⑩ EXISTING HMA FULL DEPTH PAVEMENT, 14"
- ⑪ EXISTING BASE COURSE WIDENING, 10"
- ⑫ EXISTING CURB & GUTTER
- ⑬ EXISTING CONCRETE GUTTER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ⑯ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ⑰ PROPOSED HMA BINDER COURSE, 2.25"
- ⑱ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "D", N90 - 1.75"
- ⑲ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑳ PROPOSED HMA SHOULDERS, 8"
- ㉑ PROPOSED HMA SHOULDERS, 1.75"
- ㉒ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ㉓ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉔ PROPOSED SHOULDER RUMBLE STRIPS, 8"
- ㉕ PROPOSED LONGITUDINAL JOINT SEALANT

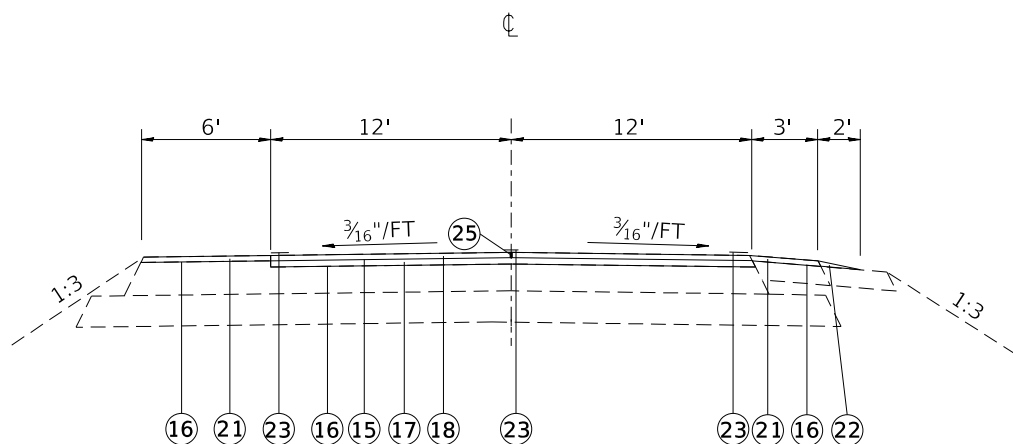
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

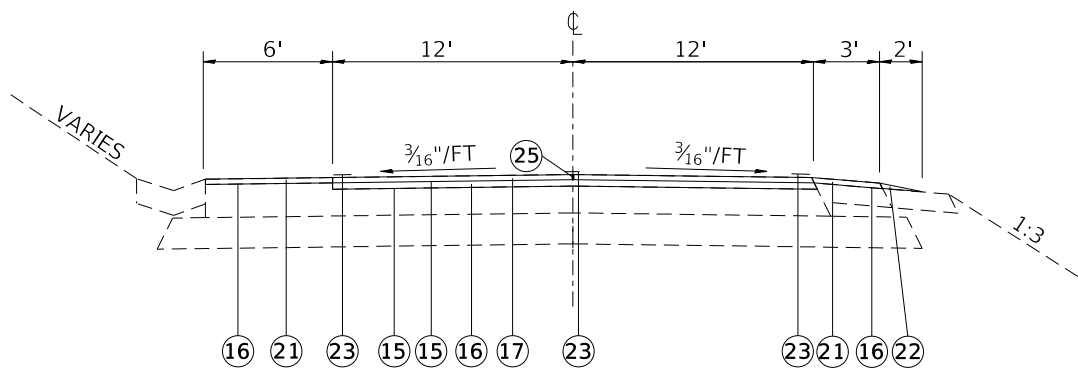
<b>PROPOSED TYPICAL SECTIONS</b>		F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET 3 OF 4 SHEETS	861A	119R5-3	RANDOLPH	18	7
				CONTRACT NO. 76L07		
		ILLINOIS FED. AID PROJECT				



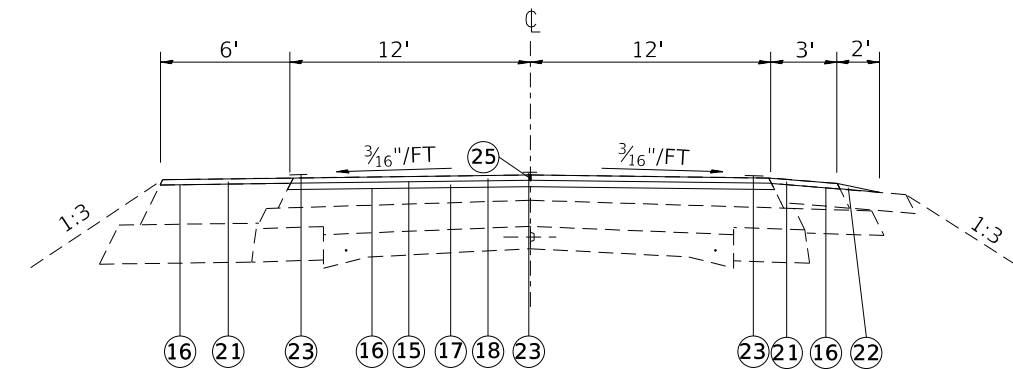
**PROPOSED TYPICAL**  
M.P. 3.40 TO M.P. 3.46



**PROPOSED TYPICAL**  
M.P. 3.49 TO M.P. 3.52



**PROPOSED TYPICAL**  
M.P. 3.46 TO M.P. 3.49



**PROPOSED TYPICAL**  
M.P. 3.57 TO M.P. 3.68

**LEGEND**

- ① EXISTING PCC PAVEMENT
- ② EXISTING 1/2" DEFORMED BARS
- ③ EXISTING HMA SURFACE, VARIABLE DEPTH
- ④ EXISTING AGGREGATE BASE COURSE, 10"
- ⑤ EXISTING BASE COURSE WIDENING, 9"
- ⑥ EXISTING PCC BASE COURSE WIDENING
- ⑦ EXISTING HMA SHOULDER
- ⑧ EXISTING HMA BINDER, VARIABLE DEPTH
- ⑨ EXISTING AGGREGATE BASE COURSE, 12"
- ⑩ EXISTING HMA FULL DEPTH PAVEMENT, 14"
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- ⑬ EXISTING CONCRETE GUTTER
- ⑭ EXISTING AGGREGATE SHOULDER
- ⑮ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ⑯ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ⑰ PROPOSED HMA BINDER COURSE, 2.25"
- ⑱ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "D", N90 - 1.75"
- ⑲ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑳ PROPOSED HMA SHOULDERS, 8"
- ㉑ PROPOSED HMA SHOULDERS, 1.75"
- ㉒ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ㉓ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉔ PROPOSED SHOULDER RUMBLE STRIPS, 8"
- ㉕ PROPOSED LONGITUDINAL JOINT SEALANT

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Default	PLOT DATE = 1/31/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED  
TYPICAL SECTIONS**

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

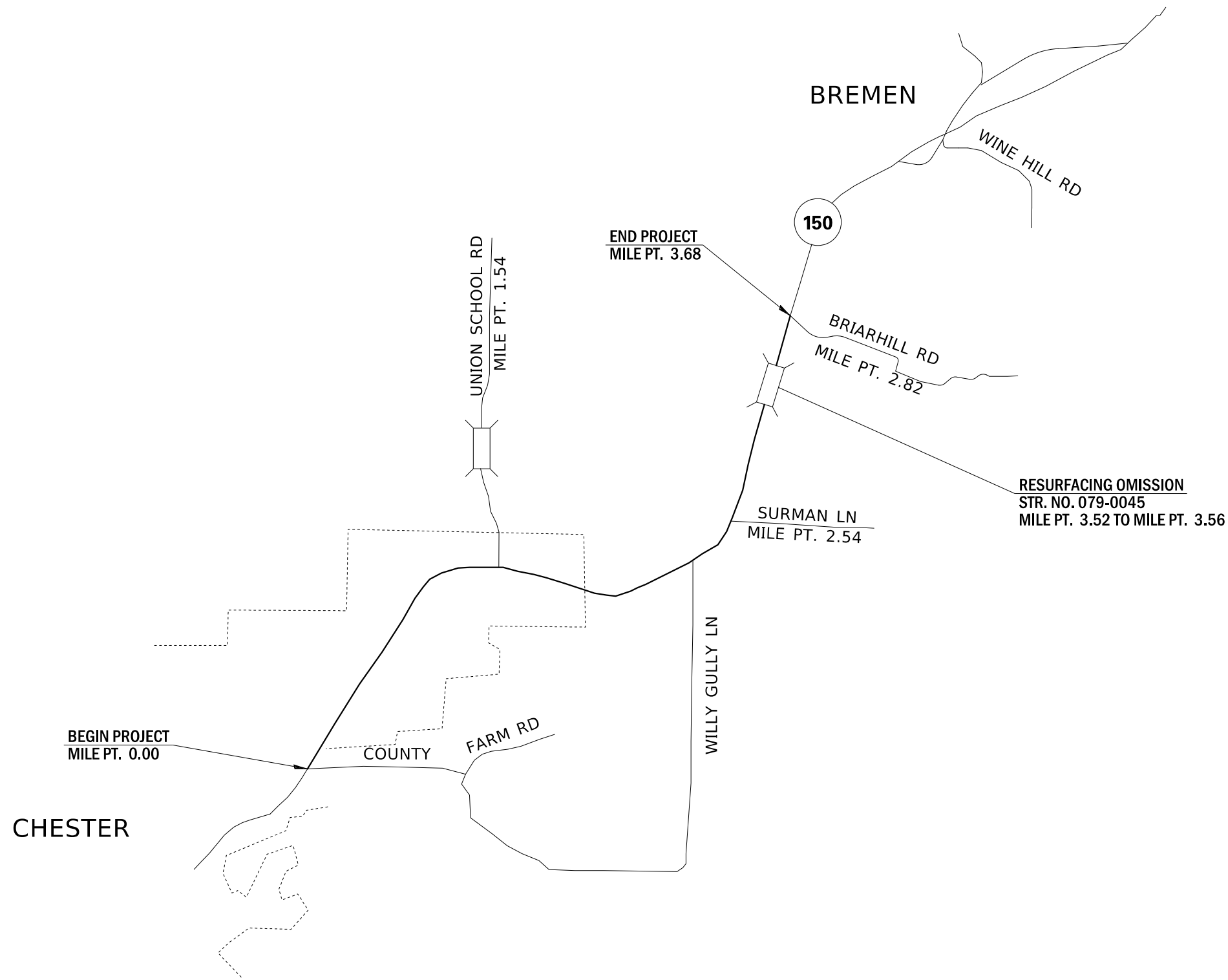
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861A	119RS-3	RANDOLPH	18	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L07	











NOT TO SCALE

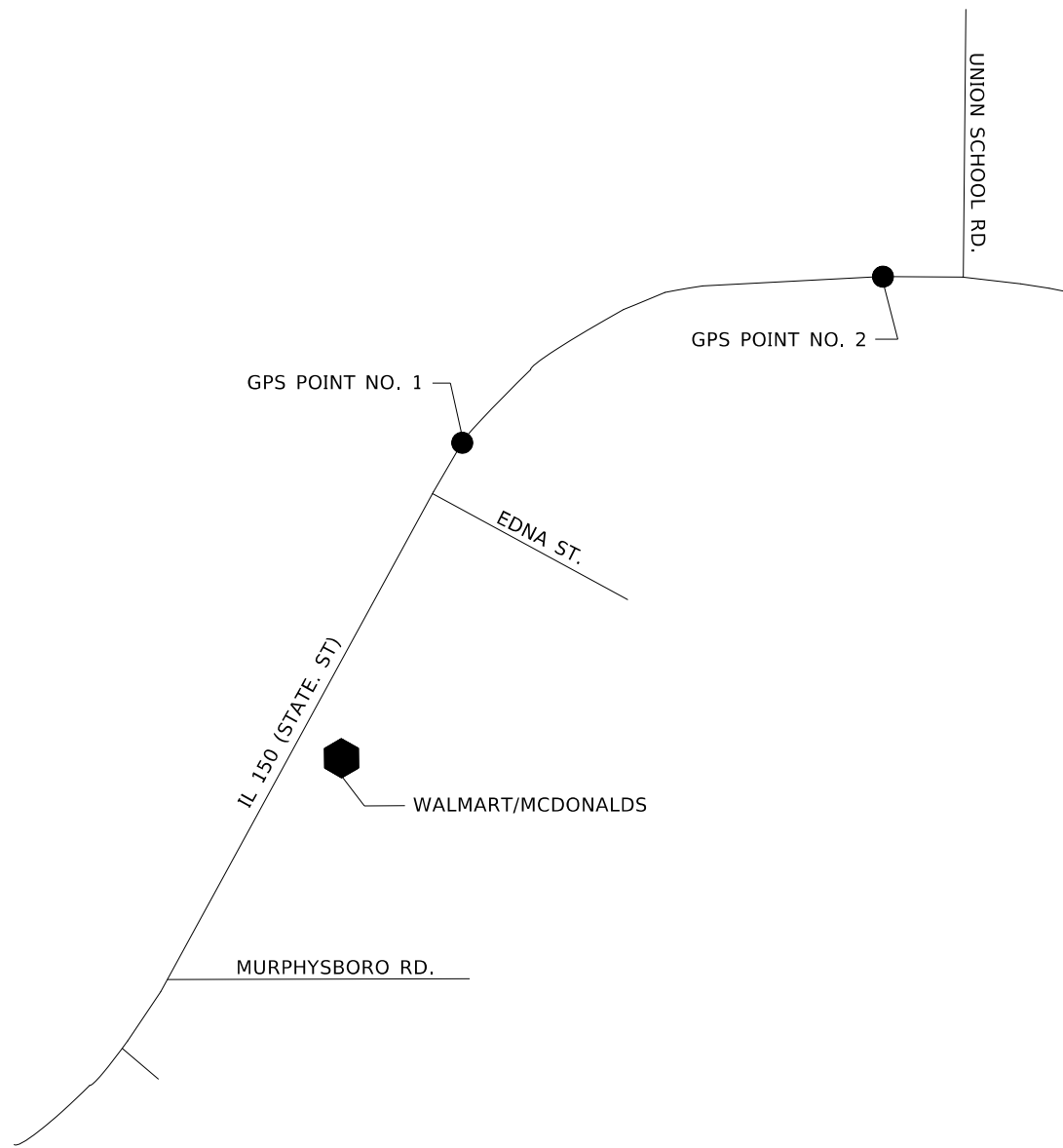
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

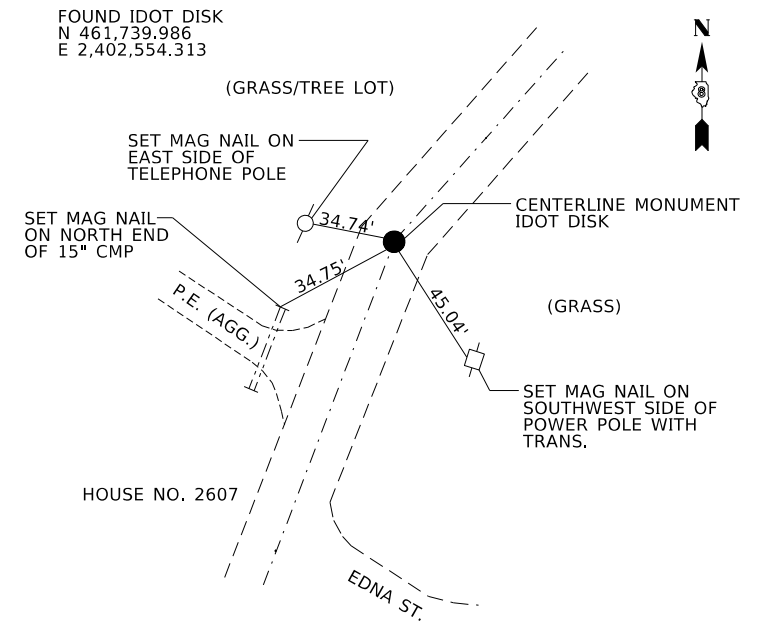
**LOCATION MAP**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
861A	119R5-3	RANDOLPH	18	12
CONTRACT NO. 76L07			ILLINOIS FED. AID PROJECT	



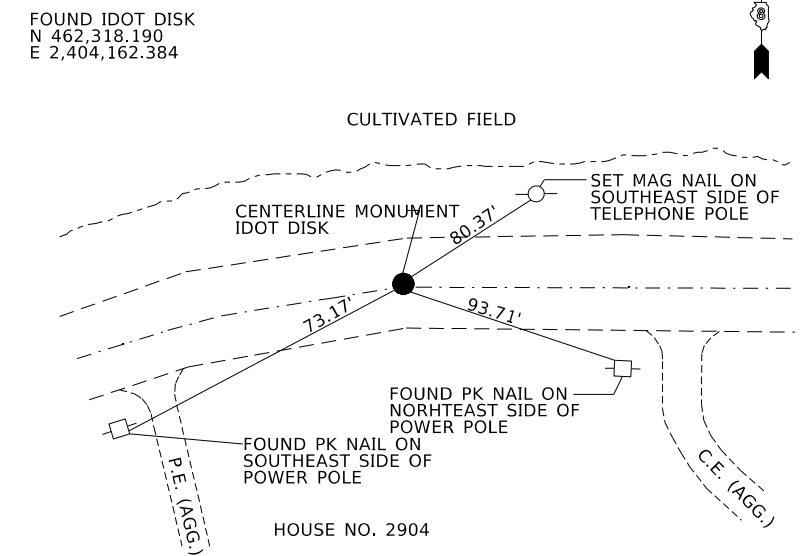
NOT TO SCALE



\* ALL MEASUREMENTS ARE PULLED DIRECT  
\*\* NOT TO SCALE

NOT TO SCALE

1 CENTERLINE MONUMENT (IL 150)



\* ALL MEASUREMENTS ARE PULLED DIRECT  
\*\* NOT TO SCALE

NOT TO SCALE

2 CENTERLINE MONUMENT (IL 150)

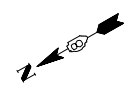
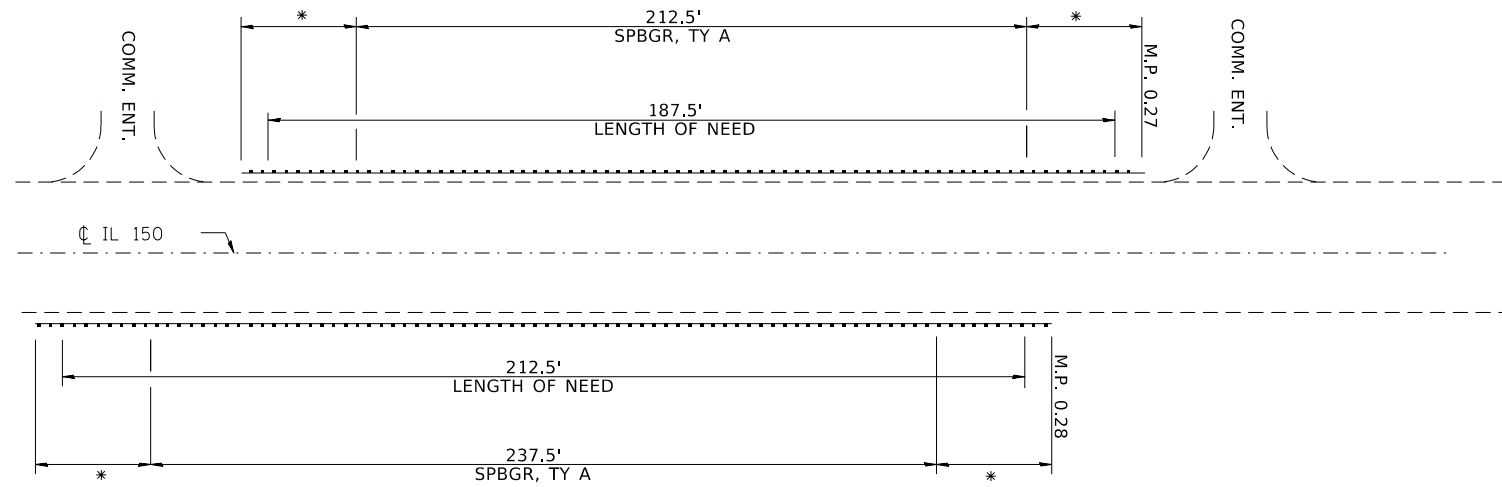
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/31/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SURVEY MONUMENTS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

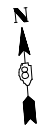
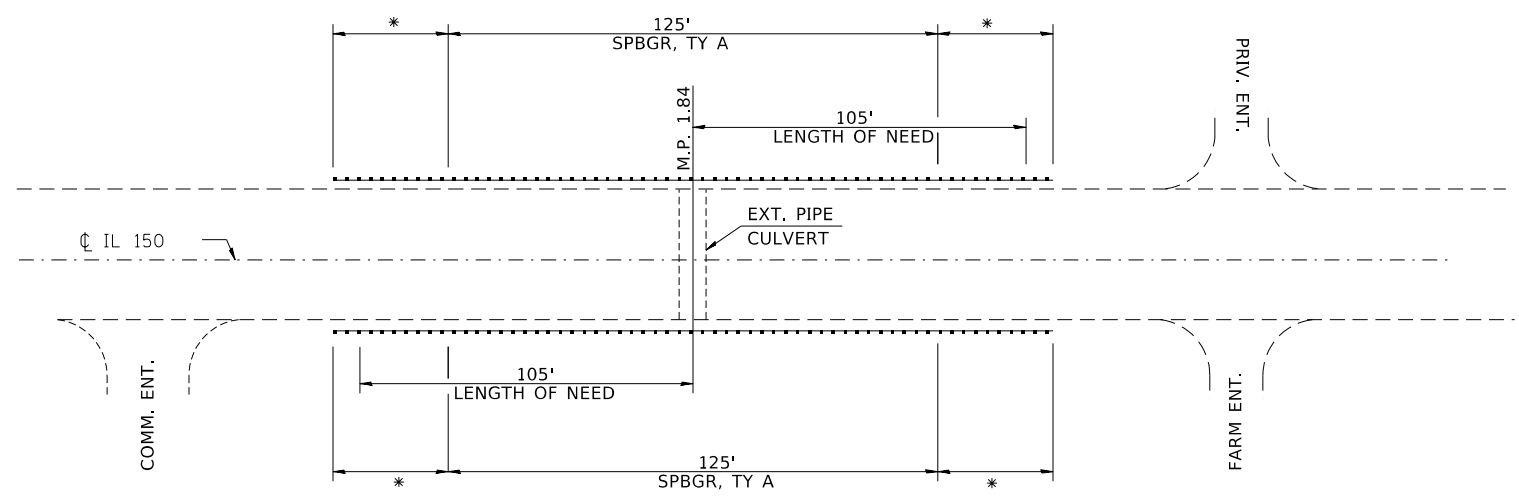
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
861A	119RS-3	RANDOLPH	18	13
CONTRACT NO. 76L07				
ILLINOIS FED. AID PROJECT				



**LOCATION 1  
PROPOSED GUARDRAIL  
(PLAN VIEW)**

\* = TRAFFIC BARRIER TERM. TYPE 1  
SPECIAL (TANGENT)

NOT TO SCALE



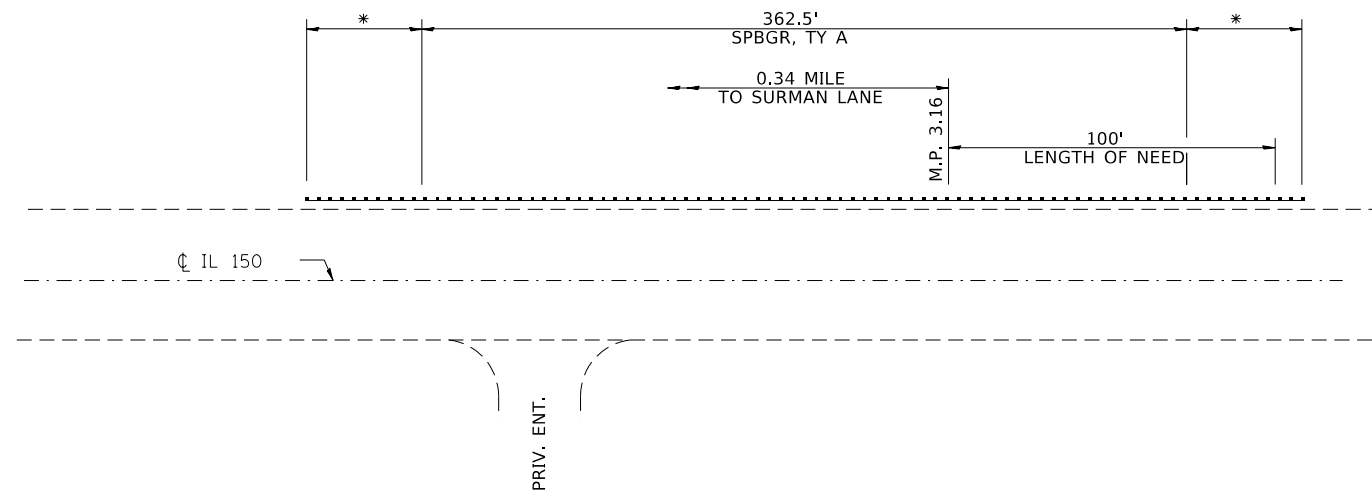
**LOCATION 2  
PROPOSED GUARDRAIL  
(PLAN VIEW)**

\* = TRAFFIC BARRIER TERM. TYPE 1  
SPECIAL (TANGENT)

NOT TO SCALE

MANOR CRAIG FARM

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GUARDRAIL DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 1/31/2019	DATE -	REVISED -		SCALE:	SHEET 1	OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 76L07		
										ILLINOIS FED. AID PROJECT		



\* = TRAFFIC BARRIER TERM, TYPE 1 SPECIAL (TANGENT)

**LOCATION 3  
PROPOSED GUARDRAIL  
(PLAN VIEW)**

NOT TO SCALE

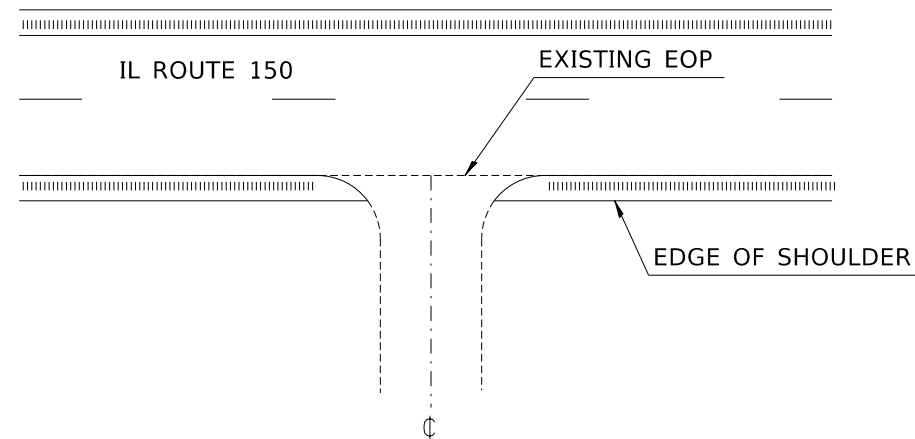
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Default	PLOT DATE = 1/31/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

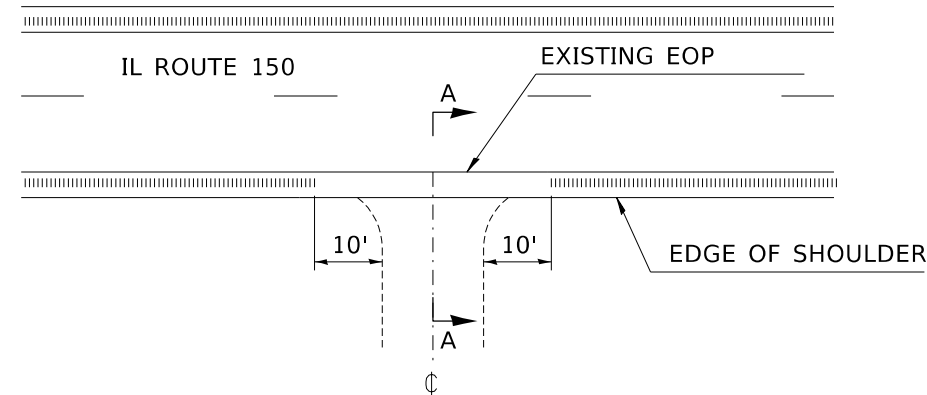
**GUARDRAIL DETAILS**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

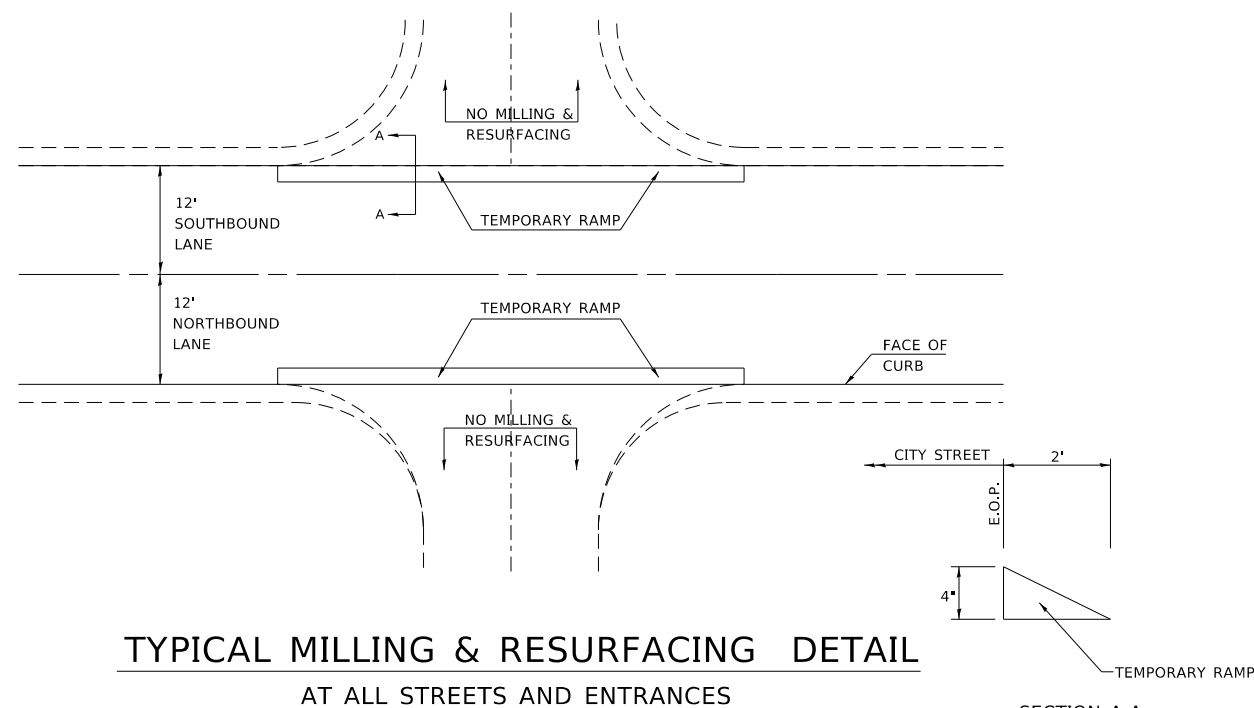
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
861A	119RS-3	RANDOLPH	18	15
				CONTRACT NO. 76L07
ILLINOIS FED. AID PROJECT				



**ENTRANCE & SIDE ROAD DETAIL**  
AT CONCRETE ENT. & SIDE ROADS

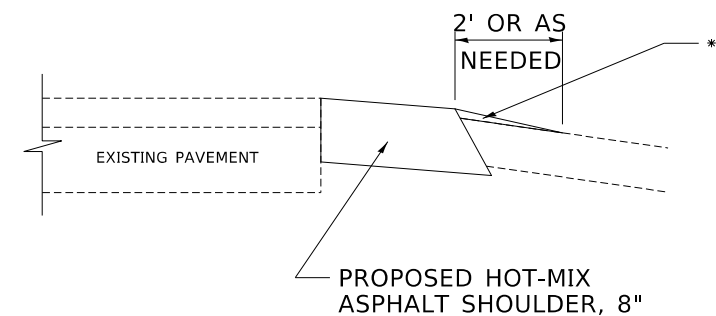


**ENTRANCE DETAIL**  
AT AGGREGATE/HMA ENTRANCES



**TYPICAL MILLING & RESURFACING DETAIL**  
AT ALL STREETS AND ENTRANCES

SECTION A-A



**SECTION A-A**  
AT AGG./HMA ENTRANCES

\*\*\* PROP. AGG. SHOULDER FOR  
AGG. ENTRANCES/PROP. INCIDENTAL  
HMA SURFACING FOR HMA ENTRANCES

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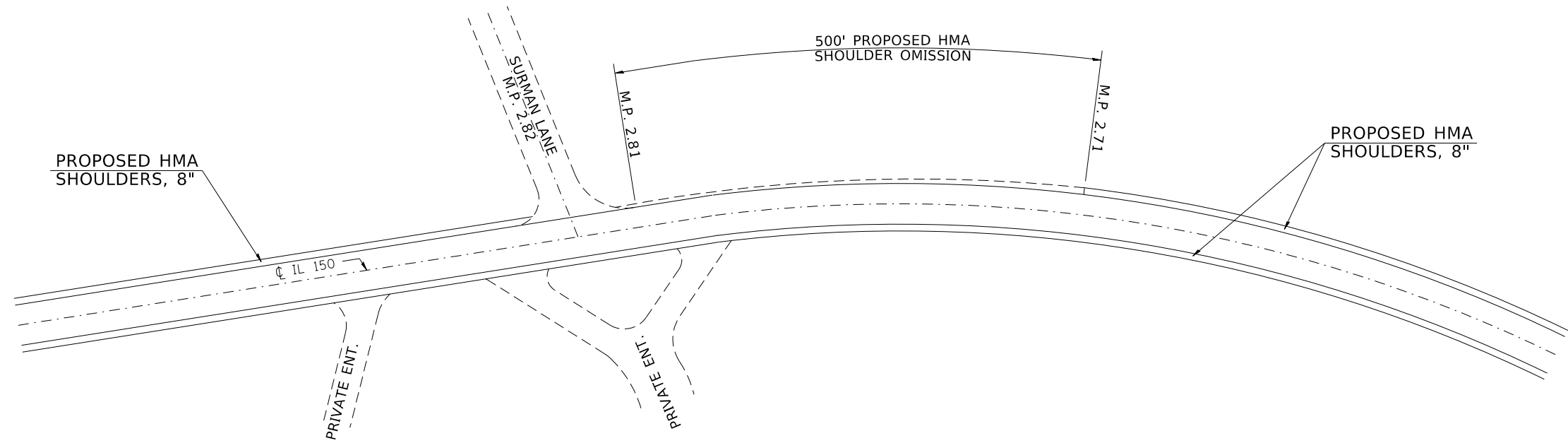
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SHOULDER & ENTRANCE DETAILS**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

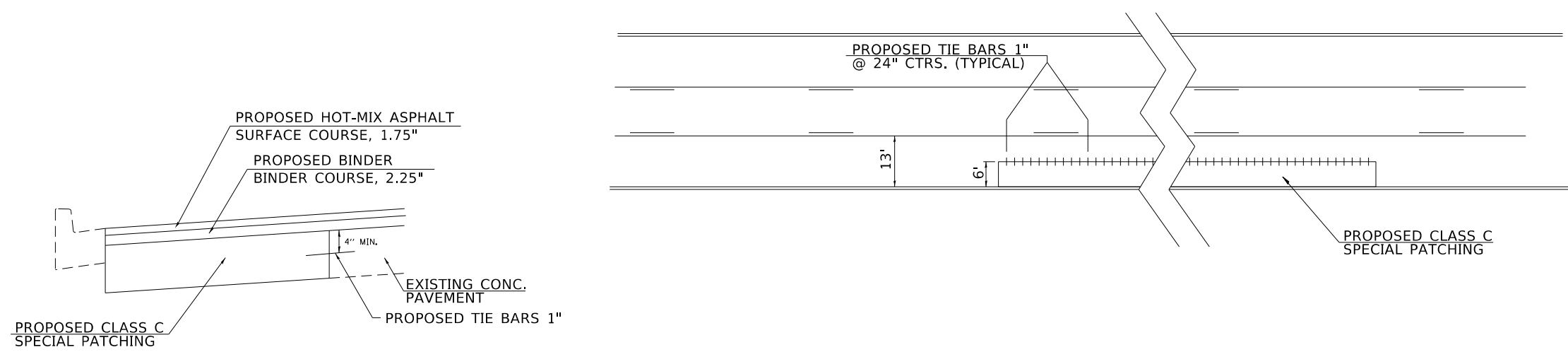
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861A	119RS-3	RANDOLPH	18	16
				CONTRACT NO. 76L07
ILLINOIS FED. AID PROJECT				





**PROPOSED HMA SHOULDER DETAIL**

NOT TO SCALE

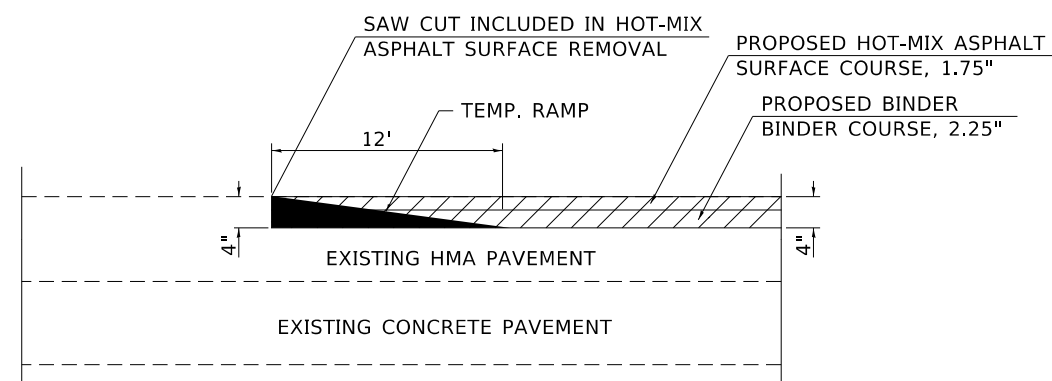


**DETAIL**

**PROPOSED CLASS C PATCHING DETAIL**

NOT TO SCALE

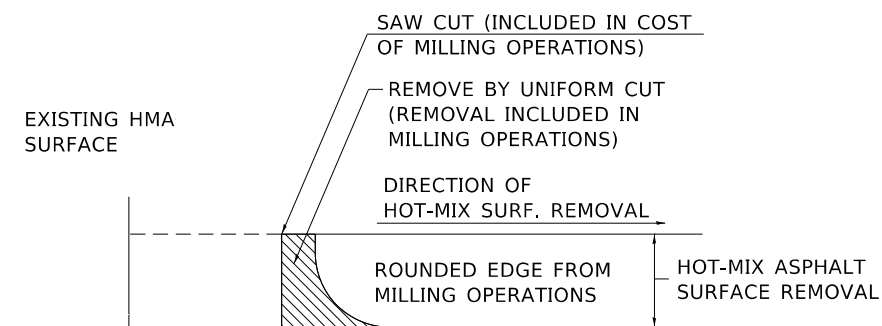
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	PLOT DATE = 1/31/2019	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA. TO STA.			



### SURFACE TRANSITION DETAIL

NOT TO SCALE

 HOT-MIX ASPHALT SURFACE REMOVAL, 4"



NOTE: WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

### MILLING DETAIL

NOT TO SCALE

NOT TO SCALE

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RESURFACING DETAILS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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