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HIGHWAY STANDARDS

406201-01	701201-05
424001-11	701301-04
424016-05	701306-04
606001-07	701311-03
606101-05	701501-06
606301-04	701801-06
630001-12	701901-08
630101-10	725001-01
630301-09	780001-05
631031-16	781001-04
701006-05	782001-01
701011-04	782006-01

DISTRICT STANDARDS

406101-D4
440001-D4
606101-D4
630101-D4
780001-D4

DESIGN DESIGNATION

IL 164
ADT: 1850
MU = 13.51%
SU = 3.24%



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER MIKE LEWIS
PROJECT MANAGER MIKE MOHAMED

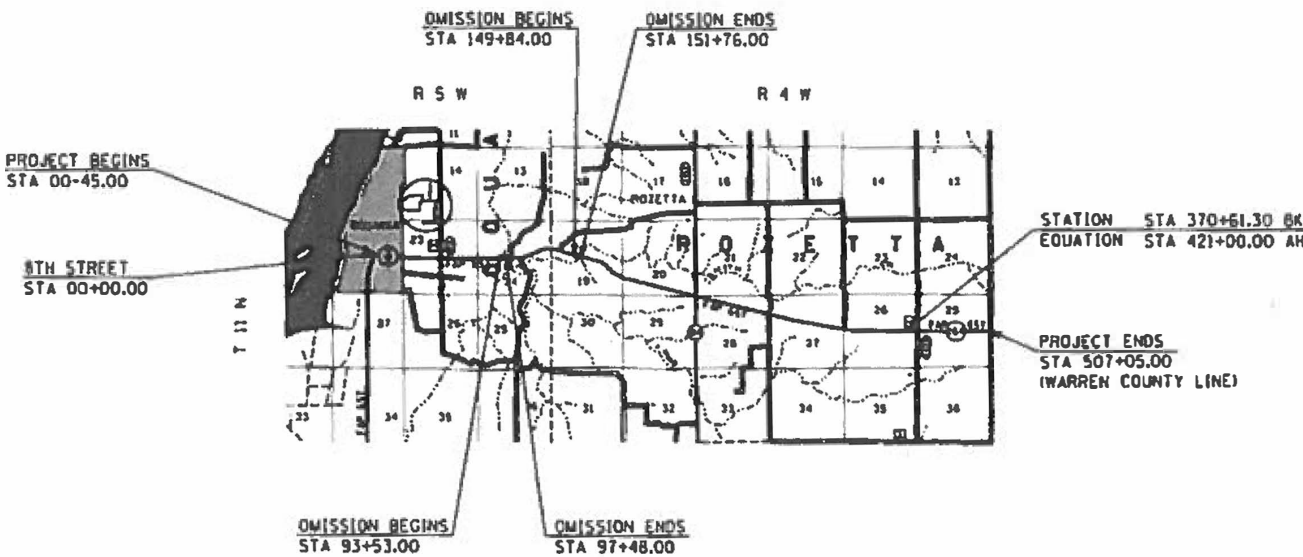
CONTRACT NO. 68F21

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP 657 (IL 164)
SECTION 116RS-4,117RS-3
PROJECT STP-YPH2(056)
TYPE of IMPROVEMENT: RESURFACING
HENDERSON COUNTY

C-94-018-20



BRIDGE OMISSIONS:
SN 036-0037: STA 93+53 TO STA 97+48
SN 036-0070: STA 149+84 TO STA 151+76

GROSS LENGTH = 45711.30 FT. = 8.657 MILE
NET LENGTH = 45124.30 FT. = 8.546 MILE

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS 4 117RS-3	HENDERSON	52	1
ILLINOIS CONTRACT NO. 68F21				

D-94-011-20



Project Description:
THIS PROJECT CONSISTS OF RESURFACING AND GUARDRAIL REPLACEMENT AND HANDICAP RAMP CONSTRUCTION AND PARTIAL DEPTH PATCHING ON IL 164 FROM THE HENDERSON /WARREN COUNTY LINE TO OQUAWKA

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Mar 24 2020
Kensel A Barnett KSD
REGIONAL ENGINEER

MAY 8 2020
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

MAY 8 2020
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

PROPERTY OWNER ACCESS REQUIREMENTS

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

WINTER SHUTDOWN RESTRICTIONS ON COLD MILLED PROJECTS

Prior to winter shutdown the following steps shall be taken:

- * All cold milled surfaces shall be overlaid.
- * All lanes shall be reopened to traffic.
- * Manholes, where applicable, shall be adjusted to the elevation of the binder course/leveling binder to ease in plowing snow, and re-adjusted to finished grade in the Spring. The initial manhole adjustment will be paid for at the contract unit price and any re-adjustment, as directed by the Engineer, will be paid for in accordance with Article 109.04.
- * Temporary or permanent pavement marking shall be placed as applicable.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- *BDE Form 2289 (Cultural and Natural Resources Review of Borrow Areas)
- *BDE Form 2290 (Waste/Use Area Review)
- *A location map showing the size limits and location of the use area
- *Color photographs depicting the use area
- *Borrow Area Entry Agreement form-D4 PI0101

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standards Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

AGGREGATE FOR DRIVEWAY REPLACEMENT

The material used for construction of permanent aggregate driveways shall be gravel or crushed stone, as directed by the Engineer, to replace in kind the existing aggregate driveways.

No additional compensation shall be provided for this requirement but shall be considered as included in the cost of the pay item for the aggregate as specified on the plans.

PAVEMENT STATIONING NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:

Interval – 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers – 6 inches (150 mm) from the inside edge of the pavement marking

Location:

- * 2, 3, & 5 Lane Pavements – right edge of pavement in direction of increasing stations
- * Multi-Lane Divided Roadways – outside edge of pavement in both directions
- * Ramps – along baseline edge of pavement

Position – stations shall be placed so they can be read from the adjacent shoulder

Format – English (Metric) pavement stations shall use this format “XXX (XX + X00)”, where X represents the pavement station

This work will not be paid for separately, but will be included in the cost of the associated pavement and/or overlay pay items.

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)

Surface Type	Residual Rate
Milled (HMA or PCC)	0.08 lb /sq ft
Existing Pavement	0.08 lb /sq ft
Fog Coat (between lifts)	0.08 lb /sq ft

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	USER NAME = szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND COMMITMENTS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					657	116RS-4,117RS-3	HENDERSON	52	2
	PLOT SCALE = 12000.0000 " / in.	CHECKED -	REVISED -					CONTRACT NO. 68F21				
	PLOT DATE = 3/25/2020	DATE -	REVISED -		SCALE:	SHEET 1	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

GENERAL NOTES (CONT.)
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	SURFACE COURSE 1.75"	BINDER COURSE 2"	Partial Depth Patching 3"	Shoulders (Upper Lift)	Shoulders (Lower Lift)	Incidental Surface
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 9.5	IL 9.5	IL 9.5	IL 19.0	IL 9.5
Friction Aggregate:	Mix D	N.A.	N.A.	Mix C	N.A.	Mix C
Quality Management Program:	PFP	PFP	QCQA	QCQA	QCQA	QCQA

Notes:

- 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum.
- 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y/in., unless otherwise noted.
- 3) Sublot sizes for PFP and QCP mixes will be 1,000 tons, unless otherwise agreed to by the Engineer and the paving Contractor.

BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

STATUS OF UTILITIES

No utility conflicts.

NO PASSING ZONE VERIFICATION

Operations shall verify the location of no passing zones prior to placement of certerline striping.

SIGN POST HOLES

Vertical holes shall be constructed in the island pavement and/or concrete median of the type specified or concrete median surface 4 inches (100 mm). The holes shall be 24 inches (600 mm) in diameter or 24 inches (600 mm) square and they shall be free of any obstruction, except earth, for a depth of 5 feet (1.5 m) at the locations shown on the plans or as directed by the Engineer. Any holes not used for the placement of signs shall be filled and compacted flush with the top of the island pavement, concrete median of the types specified, or concrete median surface 4 inches (100 mm). The top 3 inches (75 mm) of said compacted fill shall consist of a hot-mix asphalt mixture. All holes in which the sign posts are installed at the time of this contract shall be similarly filled.

This work, including any required pavement removal necessary to construct the sign post holes, will not be paid for separately but shall be included in the contract unit price per square foot (square meter) for ISLAND PAVEMENT (6").

JOB SPECIFIC NOTES

CROSSING EXISTING STRUCTURES WITH EQUIPMENT

The following structures, SN036-0037, SN036-0070, may be crossed with the empty MTD. Any structures not listed above shall be verified by the resident prior to beginning work.

SIGNS

Operations shall be contacted before the relocation of any signs.

CURB AND GUTTER

Property owners shall be notified before the construction of the curb and gutter. Access shall be provided at all times. Tempory ramps may be needed after the construction of the curb. If temporary ramps are installed, they should be installed to ADA standards to the best of the ability that the fields permit. Detectable warnings are not needed for temporary ramps. All constructed curb shall be depressed at existing entrances and sidewalk ramps and shall follow the standard of 6066001-07. Sawcuts may be required to remove sidewalk or pavement for formwork. Sawcutting the sidewalk is considered included in the cost of Sidewalk Removal. All grading and seeding behind proposed curb or gutter shall be included in the cost of placing proposed curb or gutter.

GUARDRAIL

Guardrail at SN036-0037 and SN036-0070 shall be removed and constructed in the same calendar day, no blunt ends shall be allowed overnight.

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		DRAWN -	REVISED -					657	116RS-4.117RS-3	HENDERSON	52	3
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	PLOT DATE = 3/25/2020	DATE -	REVISED -		SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				IL 164	IL 164
				HENDERSON	HENDERSON
				0005	0005
				80% FEDERAL	100% STATE
				20% STATE	
25000750	MOWING	ACRE	28		28
35501304	HOT - MIX ASPHALT BASE COURSE, 5''	SQ YD	682	682	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	157	157	
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	177011	177011	
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1623	1623	
40600990	TEMPORARY RAMP	SQ YD	315	315	
40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50	TON	13565	13565	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX ''D'', N50	TON	11913	11913	
40800050	INCIDENTAL HOT - MIX ASPHALT SURFACING	TON	820	820	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	711	711	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	656	656	
* 42400800	DETECTABLE WARNINGS	SQ FT	60	60	
44000152	HOT - MIX ASPHALT SURFACE REMOVAL, 3/4''	SQ YD	117465	117465	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	711	711	

*= SPECIALTY ITEM

	USER NAME : szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. 657	SECTION 116RS-4,117RS-3	COUNTY HENDERSON	TOTAL	SHEET
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									ILLINOIS FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
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				HENDERSON	HENDERSON
				0005	0005
				80% FEDERAL	100% STATE
				20% STATE	
44000400	GUTTER REMOVAL	FOOT	921	921	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	200	200	
44000600	SIDEWALK REMOVAL	SQ FT	438	438	
44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	134	134	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	90575	90575	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	5544	5544	
48203100	HOT - MIX ASPHALT SHOULDERS	TON	558	558	
56109210	WATER VALVES TO BE ADJUSTED	EACH	1	1	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	127	127	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	73	73	
60608582	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	79	79	
60625600	ISLAND PAVEMENT (6'')	SQ YD	24	24	
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	625	625	
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	75	75	

*= SPECIALTY ITEM

	USER NAME : szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				HENDERSON	HENDERSON
				0005	0005
				80% FEDERAL	100% STATE
				20% STATE	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8	8	
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	11	11	
63200310	GUARDRAIL REMOVAL	FOOT	1250	1250	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	7	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	100	100	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	19075	19075	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1272	1272	

*= SPECIALTY ITEM

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	PLOT DATE : 3/25/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				IL 164	IL 164
				HENDERSON	HENDERSON
				0005	0005
				80% FEDERAL	100% STATE
				20% STATE	
*	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	129,782	129,782
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	11	11
*	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	61	61
*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	62	62
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	129782	129782
*	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	70	70
*	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	526	526
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	744	744
*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	61	61
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	663	663
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	20	20
*	78200020	CURB REFLECTORS	EACH	14	14
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	68	68
	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	43,383	43,383
	X0556100	PARTIAL DEPTH PATCHING (SPECIAL)	SQ YD	16102	16102
	X4400196	HOT - MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	2516	2516
	X4402805	ISLAND REMOVAL	SQ FT	219	219

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	USER NAME : szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE : 3/25/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

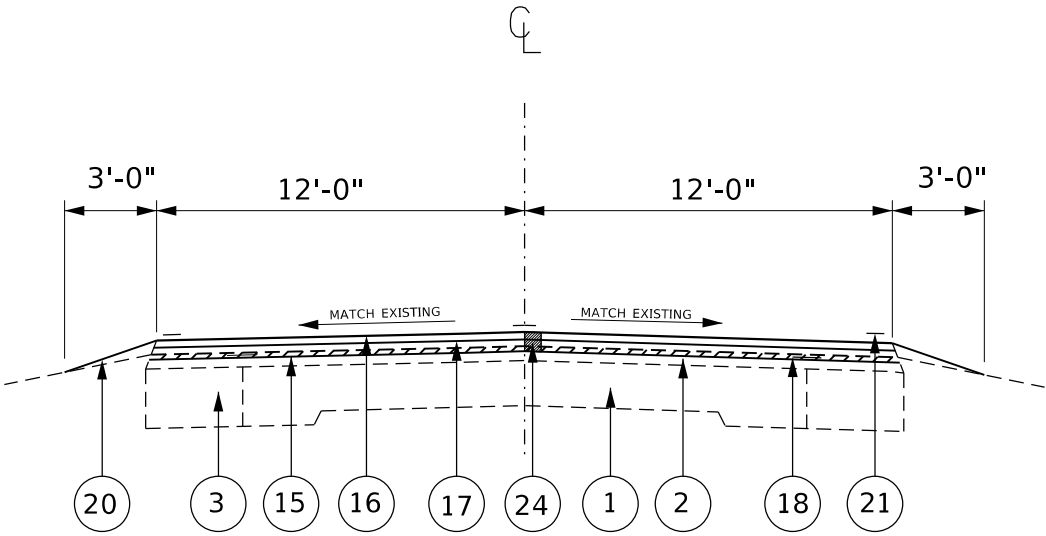
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		DRAWN -	REVISED -			657	116RS-4,117RS-3	HENDERSON	52	8
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	PLOT DATE = 3/25/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

EXIST & PROPOSED



Typical Section # 1
STA. 00-45 TO 00+95
STA. 8+16 TO 93+53
STA. 93+53 TO 97+48 BRIDGE OMISSION
STA. 97+48 TO 105+07
STA. 113+17 TO 122+77
STA. 130+87 TO 149+84
STA. 149+84 TO 151+76 BRIDGE OMISSION

BITUMINOUS SHOULDER
RT STA. 122+00 TO 122+77
LT STA. 122+00 TO 122+77
RT STA. 147+35 TO 149+84
LT STA. 147+84 TO 149+84

LEGEND

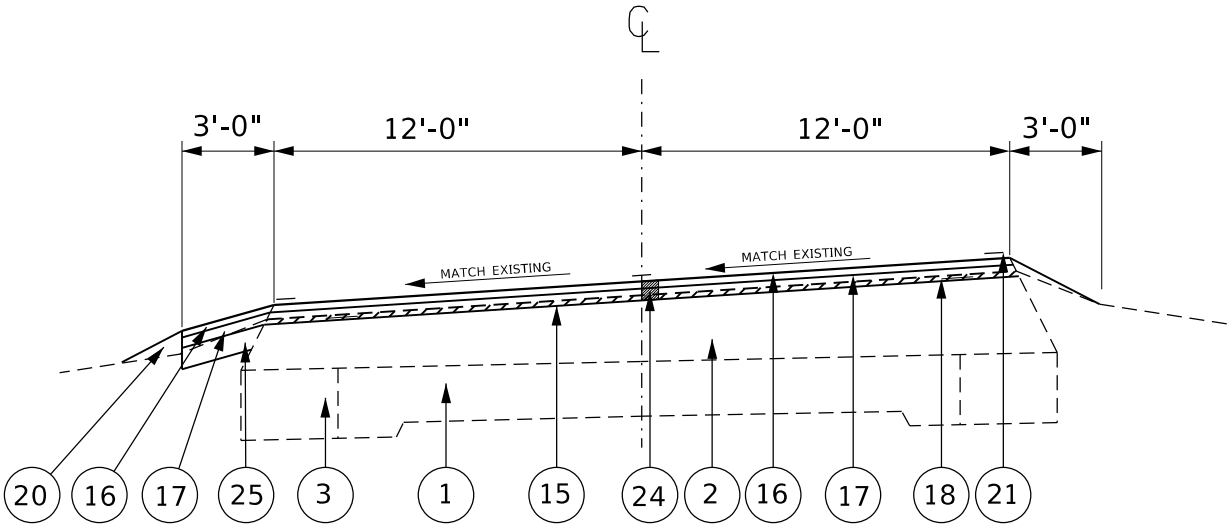
EXISTING

- 1) P.C.C. PAVEMENT 9-6-9
- 2) BITUMINOUS OVERLAY
- 3) BIT. BASE COURSE WIDENING
- 4) P.C.C. BASE COURSE WIDENING
- 5) 6" BITUMINOUS SHOULDER
- 6) BITUMINOUS SHOULDER WEDGE

PROPOSED

- 15) BIT. SURFACE REMOVAL 3/4"
- 16) 1 3/4" - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50
- 17) 2" - HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50
- 18) STRIP REFLECTIVE CRACK CONTROL
- 19) BITUMINOUS SHOULDER WEDGE
- 20) AGGREGATE SHOULDERS TYPE B
- 21) PAVEMENT MARKING LINE
- 22) INCIDENTAL HMA SURFACING
- 23) TYPE A GUTTER
- 24) PAVE WIDE MILL WIDE
- 25) HOT-MIX ASPHALT BASE COURSE, 5"
- 26) BITUMINOUS SHOULDER

EXIST & PROPOSED



Typical Section # 2
STA. 105+07 TO 113+17 (CURVE #3)
STA. 122+77 TO 130+87 (CURVE #4)

BITUMINOUS SHOULDER
LT STA. 106+00 TO 112+00
RT STA. 122+77 TO 125+11
LT STA. 122+77 TO 129+25

SUPERELEVATION DATA

CURVE NO.	1	3	4	5	6
BEGIN SUPER	0+15	103+74	121+44	159+58	178+02
P.C. STATION	0+95	105+07	122+77	160+91	179+35
FULL SUPER STA.	1+62	105+74	123+44	161+58	180+02
END FULL SUPER	7+48	112+50	130+20	170+09	185+89
P.T. STATION	8+16	113+17	130+87	170+76	186+56
END SUPER	9+48	114+50	132+20	172+09	187+89
TRANSITION LENGTH	200.0	200.0	200.0	200.0	200.0
SUPERELEVATION	2.7%	5.3%	7.0%	3.8%	5.2%

MODEL Default
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USER NAME = szetogh	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 12000.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/25/2020	DATE -	REVISED -

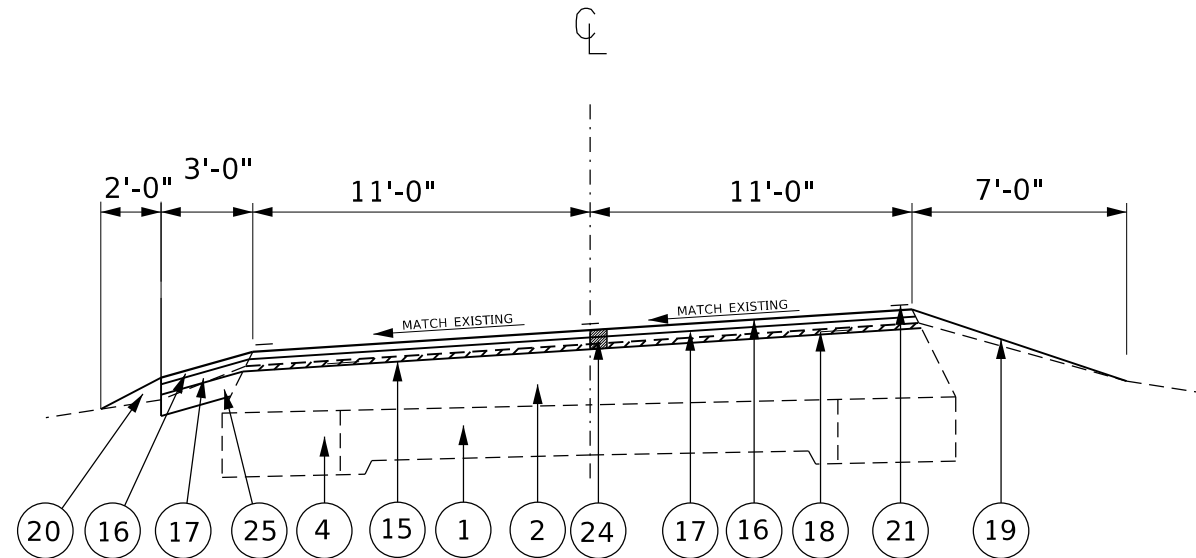
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS - IL 164

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4;117RS-3	HENDERSON	52	9
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

EXIST & PROPOSED



Typical Section # 3

STA. 160+91 TO 170+76 (CURVE #5)
STA. 179+35 TO 186+56 (CURVE #6)

BITUMINOUS SHOULDER

RT STA. 160+91 TO 170+76
LT STA. 179+35 TO 186+56

LEGEND

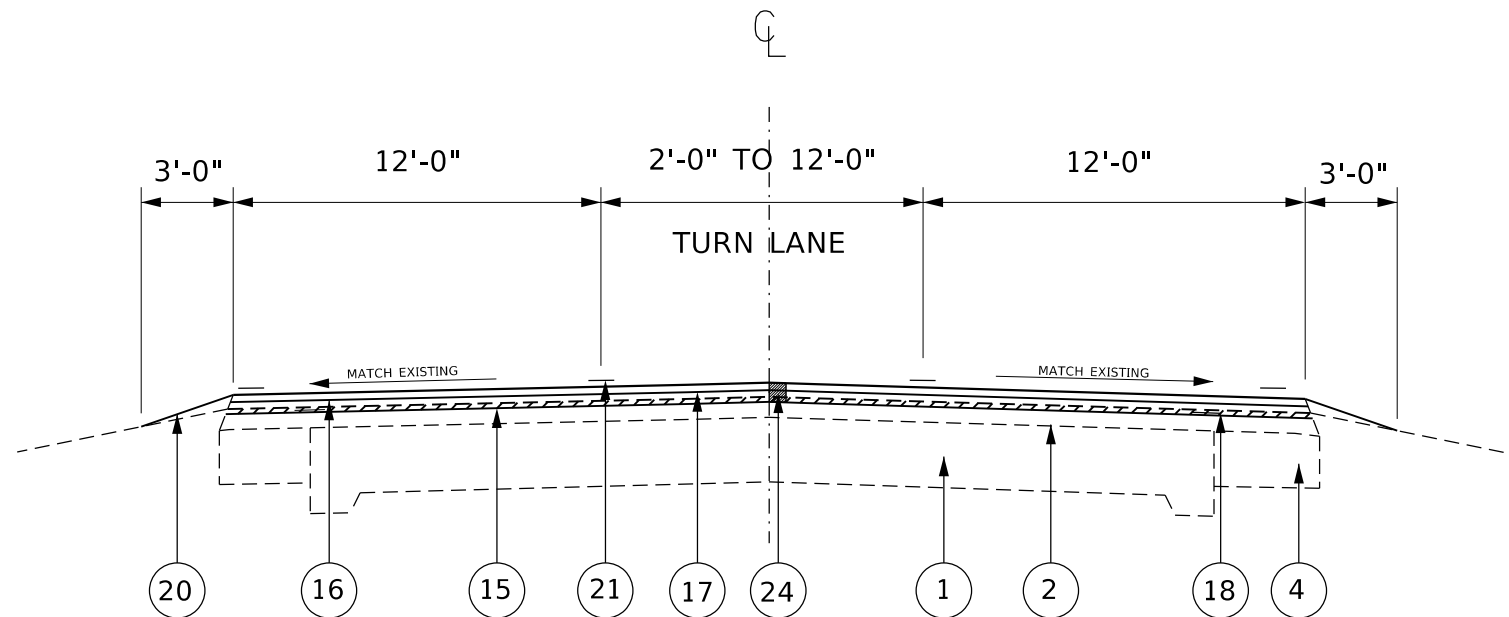
EXISTING

- 1) P.C.C. PAVEMENT 9-6-9
- 2) BITUMINOUS OVERLAY
- 3) BIT. BASE COURSE WIDENING
- 4) P.C.C. BASE COURSE WIDENING
- 5) 6" BITUMINOUS SHOULDER
- 6) BITUMINOUS SHOULDER WEDGE

PROPOSED

- 15) BIT. SURFACE REMOVAL 3/4"
- 16) 1 3/4" - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50
- 17) 2" - HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50
- 18) STRIP REFLECTIVE CRACK CONTROL
- 19) BITUMINOUS SHOULDER WEDGE
- 20) AGGREGATE SHOULDERS TYPE B
- 21) PAVEMENT MARKING LINE
- 22) INCIDENTAL HMA SURFACING
- 23) TYPE A GUTTER
- 24) PAVE WIDE MILL WIDE
- 25) HOT-MIX ASPHALT BASE COURSE, 5"
- 26) BITUMINOUS SHOULDER

EXIST & PROPOSED



Typical Section # 4

STA. 232+22 TO 249+10

SUPERELEVATION DATA

CURVE NO.	1	3	4	5	6
BEGIN SUPER	0+15	103+74	121+44	159+58	178+02
P.C. STATION	0+95	105+07	122+77	160+91	179+35
FULL SUPER STA.	1+62	105+74	123+44	161+58	180+02
END FULL SUPER	7+48	112+50	130+20	170+09	185+89
P.T. STATION	8+16	113+17	130+87	170+76	186+56
END SUPER	9+48	114+50	132+20	172+09	187+89
TRANSITION LENGTH	200.0	200.0	200.0	200.0	200.0
SUPERELEVATION	2.7%	5.3%	7.0%	3.8%	5.2%

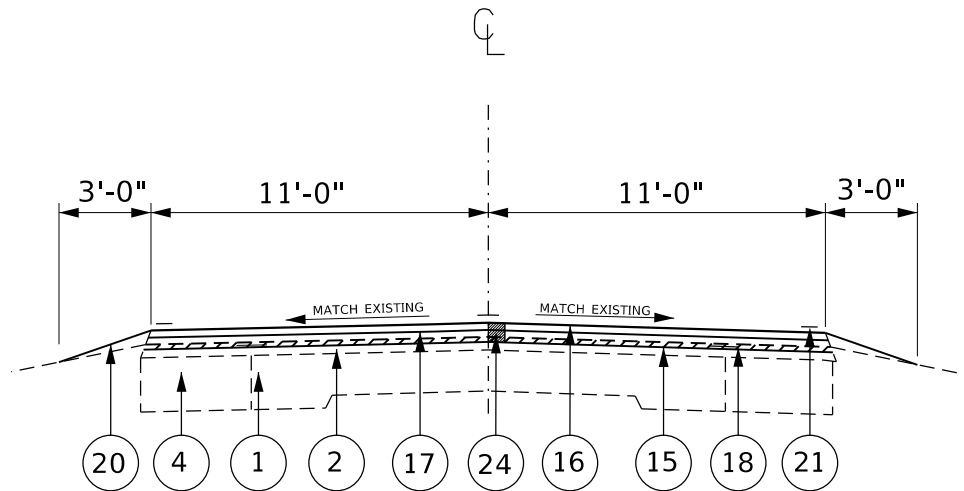
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS - IL 164

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4;117RS-3	HENDERSON	52	10
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

EXIST & PROPOSED



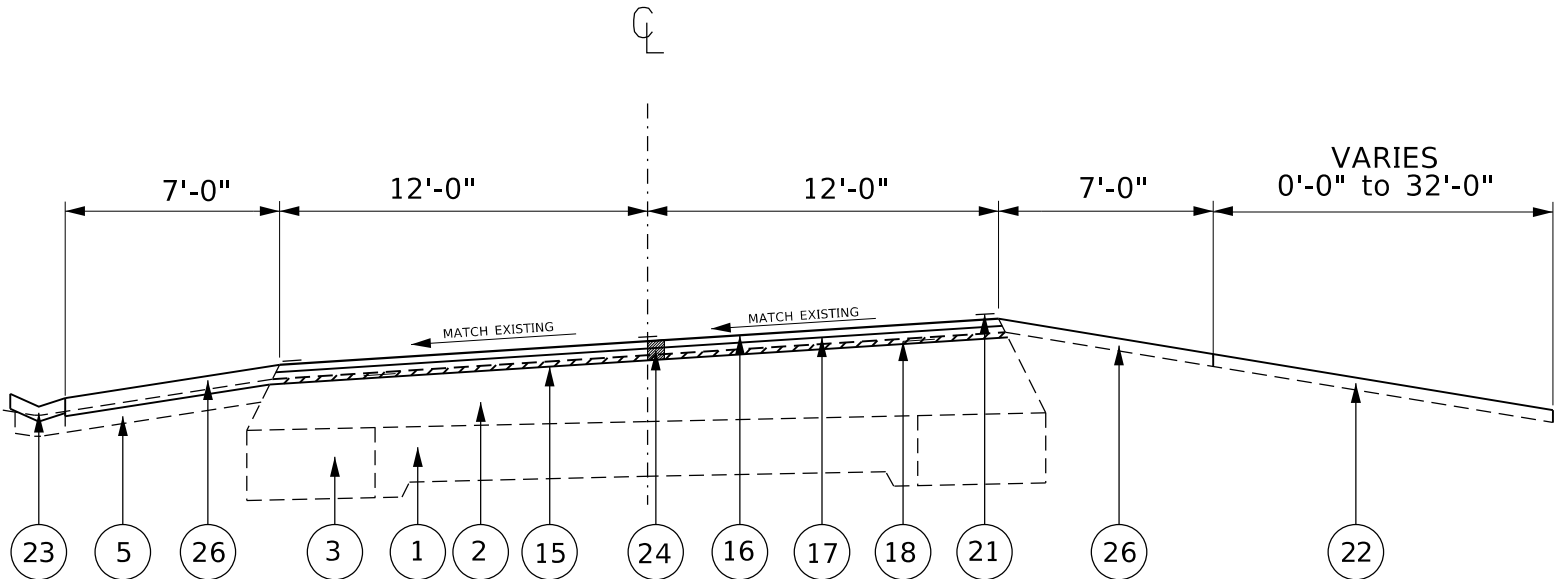
Typical Section # 5

STA. 151+76 TO 160+91
STA. 170+76 TO 179+35
STA. 186+56 TO 232+22
STA. 249+10 TO 370+61.3 (BK)
STA. 421+00 (AH) TO 507+05

BITUMINOUS SHOULDER

RT STA. 151+76 TO 154+35
LT STA. 151+76 TO 155+35
RT STA. 156+00 TO 160+91
RT STA. 170+76 TO 179+35

EXIST & PROPOSED



Typical Section # 6

STA. 00+95 TO 8+16 (CURVE #1)

BITUMINOUS SHOULDER

RT. STA. 00+65 TO 5+13
LT. STA. 00-45 TO 5+90

LEGEND

EXISTING

- 1) P.C.C. PAVEMENT 9-6-9
- 2) BITUMINOUS OVERLAY
- 3) BIT. BASE COURSE WIDENING
- 4) P.C.C. BASE COURSE WIDENING
- 5) 6" BITUMINOUS SHOULDER
- 6) BITUMINOUS SHOULDER WEDGE

PROPOSED

- 15) BIT. SURFACE REMOVAL 3/4"
- 16) 1 3/4" - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50
- 17) 2" - HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50
- 18) STRIP REFLECTIVE CRACK CONTROL
- 19) BITUMINOUS SHOULDER WEDGE
- 20) AGGREGATE SHOULDERS TYPE B
- 21) PAVEMENT MARKING LINE
- 22) INCIDENTAL HMA SURFACING
- 23) TYPE A GUTTER
- 24) PAVE WIDE MILL WIDE
- 25) HOT-MIX ASPHALT BASE COURSE, 5"
- 26) BITUMINOUS SHOULDER

SUPERELEVATION DATA

CURVE NO.	1	3	4	5	6
BEGIN SUPER	0+15	103+74	121+44	159+58	178+02
P.C. STATION	0+95	105+07	122+77	160+91	179+35
FULL SUPER STA.	1+62	105+74	123+44	161+58	180+02
END FULL SUPER	7+48	112+50	130+20	170+09	185+89
P.T. STATION	8+16	113+17	130+87	170+76	186+56
END SUPER	9+48	114+50	132+20	172+09	187+89
TRANSITION LENGTH	200.0	200.0	200.0	200.0	200.0
SUPERELEVATION	2.7%	5.3%	7.0%	3.8%	5.2%

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USER NAME = szetogh	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 1/2000.0000" / in.	CHECKED -	REVISED -
PLOT DATE = 3/25/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS - IL 164

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4;117RS-3	HENDERSON	52	11
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

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TABULATION OF RESURFACING QUANTITITES - MAINLINE													
Location		LENGTH	PAVEMENT WIDTH	AREA	HMA SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	HMA SURFACE REMOVAL .75 IN	HMA SURFACE REMOVAL, SPECIAL	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5,	MATERIAL TRANSFER DEVICE	STRIP REFLECTIVE CRACK CONTROL TREATMENT
		FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TON	TON	FT
FROM STA	TO STA												
00-45.00	00+15.00	60.0	24	160.0	160.0	6.7			230	18	16	34	120
00+15.00	92+93.00	9278.0	24	24741.3			24741		35628	2771	2425	5196	18556
03+50.00 **	05+13.00 **	163.0	16	289.8					417	32	28	61	326
92+93.00	93+18.00	25.0	24	66.7	66.7	17.8			96	7	7	14	50
93+18.00	93+53.00	35.0	24	93.3	93.3	15.6			134		9	9	70
BRIDGE OMISSION													
97+48.00	97+83.00	35.0	24	93.3	93.3	15.6			134		9	9	70
97+83.00	98+08.00	25.0	24	66.7	66.7	17.8			96	7	7	14	50
98+08.00	149+24.00	5116.0	24	13642.7			13643		19645	1528	1337	2865	10232
149+24.00	149+49.00	25.0	24	66.7	88.9	17.8			96	7	7	14	50
149+49.00	149+84.00	35.0	24	93.3	124.4	15.6			134		9	9	70
BRIDGE OMISSION													
151+76.00	152+11.00	35.0	22	85.6	116.7	14.3			123		8	8	70
152+11.00	152+36.00	25.0	22	61.1	83.3	16.3			88	7	6	13	50
152+36.00	234+00.00	8164.0	22	19956.4			19956		28737	2235	1956	4191	16328
234+00.00	239+00.00	500.0	22 to 40	1722.2			1722		2480	193	169	362	1000
239+00.00	242+00.00	300.0	40	1333.3			1333		1920	149	131	280	600
242+00.00	246+50.00	450.0	40 to 22	1550.0			1550		2232	174	152	326	900
246+50.00	370+61.3 (BK)	12411.3	22	30338.7			30339		43688	3398	2973	6371	24823
421+00 (AH)	506+45.00	8545.0	22	20887.8			20888		30078	2339	2047	4386	17090
506+45.00	506+70.00	25.0	22	61.1	61.1	16.3			88	7	6	13	50
506+70.00	507+05.00	35.0	22	85.6	85.6	14.3			123		8	8	70
PAVE WIDE MILL WIDE		45287.3	0.5	2516.0				2516.0	3623	282	247	528	
SIDE ROADS											0		
IL-164	00+00.00	35.0	*27 TO 49	147.8	147.8	11.0			213	17	14	31	
IL-94	240+50	35.0	*71 TO 41	217.8	217.8	79.2			314	24	21	46	
IL-94	240+50	35.0	*71 TO 41	217.8	217.8	56.9			314	24	21	46	
SUB-TOTALS:					1,623	315	114,173	2,516	170,633	13,221	11,613	24,834	90,575
ENTRANCES QUANTITIES SUBTOTAL									3516				
SHOULDER QUANTITIES SUBTOTAL							3293		2862	344	301	645	
PATCHING QUANTITIES SUBTOTAL									11593				
GRAND - TOTAL					1,623	315	117,465	2,516	177,011	13,565	11,913	25,478	90,575

*Measured area in place. Area does not match the average of the variable widths.

** STA 03+50.00 to 05+13.00 is the side street at Schuyler St. It shall be paved with the Material Transfer Device

ADA IMPROVEMENT				
LOCATION	STATION	SIDEWALK REMOVAL	PORTLAND CEMENT SIDEWALK 4 INCH	DETECTABLE WARNINGS
		AREA	AREA	AREA
		SQ FT	SQ FT	SQ FT
1	00-45.00 RT	70.0	81.25	10
2	00-45.00 LT	136.5	266.25	20
3	00+25.00 RT	87.5	136.25	10
4	03+95.00 RT	52.5	71.25	10
5	04+25.00 RT	91.0	101.25	10
TOTAL		438	656	60

GUARDRAIL REMOVAL			
SIDE	FROM STA	TO STA	LENGTH (FT)
LT	93+15.50	93+53.00	37.5
RT	93+15.50	93+53.00	37.5
LT	97+48.00	97+98.00	50.0
RT	97+48.00	97+98.00	50.0
LT	148+34.00	149+84.00	150.0
RT	147+96.50	149+84.00	187.5
LT	151+76.00	153+63.50	187.5
RT	151+76.00	152+63.50	87.5
RT	364+31.00	366+56.00	225.0
LT	364+68.00	367+05.50	237.5
TOTAL:			1250

JOBSITE QUANTITIES		
MOBILIZATION	L SUM	1
CONSTRUCTION STATION LAYOUT	L SUM	1
ENGINEERS FIELD OFFICE, TYPE A	CAL MO	7
MOWING	ACRE	28
TRAFFIC CONTROL AND PROTECTION STD 701201	L SUM	1
TRAFFIC CONTROL AND PROTECTION STD 701306	L SUM	1
TRAFFIC CONTROL AND PROTECTION STD 701501	L SUM	1
TRAFFIC CONTROL AND PROTECTION STD 701801	L SUM	1
WATER VALVES TO BE ADJUSTED	EACH	1
TRAFFIC CONTROL SURVEILLANCE	CAL DA	10
CHANGEABLE MESSAGE SIGN	CAL DA	100

	USER NAME = szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				657	116RS-4:117RS-3	HENDERSON	52	12
	PLOT SCALE = 12000.0000 ' / in.	CHECKED -	REVISED -				CONTRACT NO. 68F21				
	PLOT DATE = 3/25/2020	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 1	OF 6	SHEETS	STA.	TO STA.					

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SHOULDERS																							
Location		LENGTH	HMA SHOULDER WIDTH		AREA	HMA SURFACE REMOVAL .75 IN		HOT-MIX ASPHALT BASE COURSE, 5" *		POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)		HOT-MIX ASPHALT BINDER COURSE, IL-9.5,		HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1.75"		HOT-MIX ASPHALT SHOULDERS		AGG SHOULDER WIDTH		AREA	AGGREGATE SHOULDERS, TYPE B	AGGREGATE SHOULDER REMOVAL	
IL 164		FT	LEFT	RIGHT	SQ YD	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	SQ FT	TON	LEFT	RIGHT
FROM STA	TO STA		FT	FT		SQ YD	SQ YD	SQ YD	SQ YD	POUND	POUND	TONS	TONS	TONS	TONS	TON	TON	FT	FT			CU YD	CU YD
00-45.00	00+65.00	110.00	7	0	86	86	0	0	0	62	0	0	0	0	0	18	0	0	3.5	385	7	0	0
00+65.00	5+13.00	448.00	7	7	697	348	348	0	0	251	251	0	0	0	0	73	73	0.0	0.0	0	0	0	0
5+13.00	5+90.00	77.00	7	0	60	60	0	0	0	43	0	0	0	0	0	13	0	0.0	3.5	270	5	0	0
5+90.00	93+56.00	8766.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	3.5	61362	1166	0	0
BRIDGE OMISSION																							
97+48.00	106+00.00	852.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	3.5	5964	113	0	0
106+00.00	112+00.00	600.00	3	0	200	0	0	200	0	144	0	80	0	70	0	0	0	0.0	3.5	2100	40	28	0
112+00.00	122+00.00	1000.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	3.5	7000	133	0	0
122+00.00	125+11.00	311.00	3	4	242	0	138	104	0	75	100	41	15	36	14	0	0	0.0	0.0	0	0	15	0
125+11.00	129+25.00	414.00	3	0	138	0	0	138	0	99	0	55	0	48	0	0	0	0.0	3.5	1449	28	20	0
129+25.00	147+35.00	1810.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	3.5	12670	241	0	0
147+35.00	149+84.00	249.00	4	4	221	111	111	0	0	80	80	12	12	11	11	0	0	0.0	0.0	0	0	0	0
BRIDGE OMISSION																							
151+76.00	154+35.00	259.00	4	4	230	115	115	0	0	83	83	13	13	11	11	0	0	0.0	0.0	0	0	0	0
154+35.00	155+35.00	100.00	4	0	44	44	0	0	0	32	0	5	0	4	0	0	0	0.0	3.5	350	7	0	0
155+35.00	156+00.00	65.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	3.5	455	9	0	0
156+00.00	179+35.00	2335.00	0	7	1816	0	1816	0	0	0	1308	0	0	0	0	0	381	3.5	0.0	8173	155	0	0
179+35.00	186+56.00	721.00	3	0	240	0	0	240	0	173	0	96	0	84	0	0	0	0.0	3.5	2524	48	34	0
186+56.00	370+60.30	18404.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	3.5	128830	2448	0	0
421+00.00	507+05.00	8605.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	3.5	60235	1144	0	0
SUBTOTALS:						764	2529	682	0	1041	1821	303	41	265	36	104	455				5544	97	0
TOTALS:						3,293		682		2,862		344		301		558					5,544	97	

* Bottom Lift of New Shoulder

PORTLAND CEMENT CONCRETE DRIVEWAYS							
Location		TYPE	L1	L2	WIDTH	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	DRIVEWAY PAVEMENT
			FT	FT	FT	SQ YD	SQ YD
IL 164							
RT	00+99.00	C.E.	36	50	15	71.7	71.7
RT	01+56.00	C.E.	47	35	10	45.6	45.6
LT	02+03.00	C.E.	15	12	15	22.5	22.5
LT	26+60.00	C.E.	42	80	15	101.7	101.7
LT	29+96.00	C.E.	38	68	15	88.3	88.3
LT	31+55.00	C.E.	40	74	15	95.0	95.0
LT	33+26.00	C.E.	28	73	15	84.2	84.2
RT	41+59.00	C.E.	28	55	10	46.1	46.1
LT	43+35.00	C.E.	20	50	20	77.8	77.8
RT	43+40.00	C.E.	55	85	10	77.8	77.8
TOTAL:						711	711

CURB AND GUTTER								
FROM STA	TO STA	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	CONCRETE GUTTER, TYPE A (SPECIAL)	COMBINATION CURB AND GUTTER REMOVAL	GUTTER REMOVAL	CLASS SI CONCRETE (OUTLET), SPECIAL
		FT	FT	FT	FT	FT	FT	CU YD
00-45.00	00-15.00		73			73		
00+15.00	00+60.00	67				67		
01+15.00	01+40.00	40				40		
01+74.00	01+85.00	20				20		
00+45.00	3+91.00				317		346	6.72
4+19.00	5+92.00				173		173	
122+00.00	125+11.0				263		311	5.8
239+58.00	240+00.0				43		91	5.8
240+10.00	240+10.0			39.5				
240+90.00	240+90.0			39.5				
TOTAL:		127	73	79	796	200	921	18.32

CLASS C PATCH			
LOCATION	SIZE	AREA	TYPE IV, 12"
		SQ YD	SQ YD
477+00	50' X 22'	134.44	134.4
TOTALS:			134

ISLAND PAVEMENT REMOVAL			
LOCATION	BASE	HEIGHT	AREA
	FT	FT	SQ FT
240+10	14.8	14.8	109.5
240+90	14.8	14.8	109.5
TOTALS:			219

ISLAND PAVEMENT (6")				CURB
LOCATION	BASE	HEIGHT	AREA	EACH
	FT	FT	SQ YD	
240+10	14.8	14.8	12.2	7.0
240+90	14.8	14.8	12.2	7.0
TOTALS:			24	14

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	USER NAME = szetogh		DESIGNED -	REVISED -	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		REVIS	ED -					657	116RS-4:117RS-3	HENDERSON	52	13
	PLOT SCALE = 12000.0000 ' / in.		CHECKED -	REVISED -					CONTRACT NO. 68F21				
	PLOT DATE = 3/25/2020		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET 2	OF 6	SHEETS	STA.	TO STA.			

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ENTRANCES									
Location		TYPE	MATERIAL	LENGTH	WIDTH	AREA	POLYMERIZED BITUMINOUS MATERIAL	INCIDENTAL HMA SURFACING 3 "	AGG. SURFACE COURSE TYPE B
IL 164				FT	FT	SQ YD	POUND	TONS	TON
RT	01+99.00	C.E.	HMA	12	6	8.00	5.76	1.34	
LT	06+35.00	P.E.	AGG	30	6	20.00			4.56
RT	16+40.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	18+22.00	M.B.	HMA	72	10	51.11	36.8	8.59	
RT	18+22.00	C.E.	HMA	24	6	16.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	19+30.00	C.E.	HMA	35	6	23.33	16.8	3.92	
LT	20+55.00	M.B.	HMA	72	8	40.89	29.44	6.87	
LT	20+55.00	C.E.	HMA	28	6	18.67	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	20+57.00	C.E.	HMA	40	6	26.67	19.2	4.48	
RT	20+93.00	C.E.	HMA	50	6	33.33	24	5.60	
RT	22+43.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	22+43.00	P.E.	HMA	44	6	29.33	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
LT	22+80.00	C.E.	HMA	45	6	30.00	21.6	5.04	
RT	25+50.00	C.E.	HMA	85	6	56.67	40.8	9.52	
RT	27+35.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	27+35.00	C.E.	HMA	24	6	16.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	29+22.00	C.E.	HMA	65	6	43.33	31.2	7.28	
RT	29+94.00	C.E.	AGG	45	6	30.00			6.83
RT	31+58.00	C.E.	HMA	58	6	38.67	27.84	6.50	
RT	33+46.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	33+46.00	P.E.	HMA	24	6	16.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	34+29.00	P.E.	HMA	62	6	41.33	29.76	6.94	
RT	35+84.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	35+84.00	C.E.	HMA	54	6	36.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	37+14.00	P.E.	AGG	62	6	41.33			9.41
LT	58+94.00	P.E.	HMA	39	6	26.00	18.72	4.37	
RT	61+93.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	61+93.00	P.E.	HMA	72	6	48.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	64+42.00	M.B.	HMA	72	8	40.89	29.44	6.87	
LT	64+63.00	P.E.	HMA	84	6	56.00	40.32	9.41	
LT	93+03.00	P.E.	HMA	110	4	48.89	35.2	8.21	
RT	93+22.00	P.E.	HMA	105	4	46.67	33.6	7.84	
RT	98+73.00	C.E.	HMA	157	4	69.78	50.24	11.72	
RT	101+15.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	101+15.00	P.E.	HMA	24	6	16.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	106+30.00	M.B.	HMA	72	8	40.89	29.44	6.87	
LT	107+50.00	P.E.	AGG	40	6	26.67			6.07
RT	154+95.00	P.E.	AGG	72	6	48.00			10.93
RT	155+46.00	F.E.	HMA	20	6	13.33	9.6	2.24	
LT	157+32.00	P.E.	HMA	40	6	26.67	19.2	4.48	
RT	185+30.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	185+30.00	P.E.	HMA	24	6	16.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	192+63.00	F.E.	AGG	50	6	33.33			7.59
RT	199+85.00	F.E.	AGG	30	6	20.00			4.56
LT	212+79.00	F.E.	AGG	20	6	13.33			3.04
RT	212+94.00	F.E.	AGG	20	6	13.33			3.04
IL 164 SUBTOTAL:							784.5	183.0	56.0

	USER NAME = szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					657	116RS-4:117RS-3	HENDERSON	52	14
	PLOT SCALE = 12000.0000 " / in.	CHECKED -	REVISED -					CONTRACT NO. 68F21				
	PLOT DATE = 3/25/2020	DATE -	REVISED -		SCALE:	SHEET 3	OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL Default
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ENTRANCES CONT.									
Location		TYPE	MATERIAL	LENGTH	WIDTH	AREA	POLYMERIZED BITUMINOUS MATERIAL	INCIDENTAL HMA SURFACING 3"	AGG. SURFACE COURSE TYPE B
IL 164				FT	FT	SQ YD	POUND	TONS	TON
LT	214+56.00	P.E.	HMA	37	6	24.67	17.76	4.14	
RT	214+57.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	214+57.00	F.E.	HMA	35	6	23.33	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	233+10.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	233+10.00	P.E.	HMA	72	6	48.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	251+85.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	251+85.00	P.E.	HMA	58	6	38.67	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	257+52.00	P.E.	HMA	25	6	16.67	12	2.80	
RT	258+54.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	258+54.00	P.E.	HMA	20	6	13.33	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
LT	267+67.00	F.E.	AGG	20	6	13.33			3.04
RT	275+69.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	275+69.00	P.E.	HMA	72	6	48.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
LT	284+31.00	P.E.	AGG	72	6	48.00			10.93
LT	285+45.00	M.B.	HMA	72	8	40.89	29.44	6.87	
LT	285+45.00	P.E.	HMA	35	6	23.33	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	285+50.00	F.E.	AGG	28	6	18.67			4.25
LT	296+23.00	M.B.	HMA	72	8	40.89	29.44	6.87	
LT	296+23.00	P.E.	HMA	35	6	23.33	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
LT	297+07.00	P.E.	HMA	30	6	20.00	14.4	3.36	
LT	299+91.00	M.B.	HMA	72	8	40.89	29.44	6.87	
LT	299+91.00	P.E.	HMA	72	6	48.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
LT	301+09.00	P.E.	AGG	35	6	23.33			5.31
RT	302+10.00	F.E.	AGG	20	6	13.33			3.04
LT	304+15.00	F.E.	AGG	20	6	13.33			3.04
LT	308+80.00	C.E.	HMA	50	6	33.33	24.00	5.60	
RT	313+47.00	P.E.	AGG	25	6	16.67			3.80
RT	314+63.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	314+63.00	P.E.	HMA	12	6	8.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
LT	315+87.00	F.E.	AGG	33	6	22.00			5.01
LT	323+09.00	F.E.	AGG	44	6	29.33			6.68
RT	326+36.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	326+36.00	P.E.	HMA	35	6	23.33	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	330+53.00	P.E.	AGG	66	6	44.00			10.02
RT	336+65.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	336+65.00	P.E.	HMA	12	6	8.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
LT	342+59.00	F.E.	HMA	32	6	21.33	15.36	3.58	
RT	349+26.00	P.E.	AGG	39	6	26.00			5.92
RT	349+80.00	P.E.	HMA	38	6	25.33	18.24	4.26	
LT	361+41.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	363+58.00	P.E.	HMA	45	6	30.00	21.6	5.04	
LT	369+83.00	F.E.	AGG	33	6	22.00			5.01
RT	424+37.00	F.E.	HMA	32	6	21.33	15.36	3.58	
LT	427+44.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	427+44.00	P.E.	HMA	45	6	30.00	21.6	5.04	
LT	464+48.00	M.B.	HMA	72	8	40.89	29.44	6.87	
IL 164 SUBTOTAL:							572.5	133.6	66.1

	USER NAME = szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					657	116RS-4:117RS-3	HENDERSON	52	15
	PLOT SCALE = 12000.0000 " / in.	CHECKED -	REVISED -					CONTRACT NO. 68F21				
	PLOT DATE = 3/25/2020	DATE -	REVISED -		SCALE:	SHEET 4	OF 6	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

ENTRANCES CONT.									
Location		TYPE	MATERIAL	LENGTH	WIDTH	AREA	POLYMERIZED BITUMINOUS MATERIAL	INCIDENTAL HMA SURFACING 3"	AGG. SURFACE COURSE TYPE B
IL 164				FT	FT	SQ YD	POUND	TONS	TON
LT	464+48.00	P.E.	HMA	72	6	48.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
LT	468+52.00	M.B.	HMA	72	8	40.89	29.44	6.87	
RT	468+52.00	P.E.	HMA	38	6	25.33	18.24	4.26	
LT	471+88.00	C.E.	AGG	63	6	42.00			9.57
LT	473+15.00	M.B.	HMA	72	8	40.89	29.44	6.87	
LT	473+15.00	P.E.	HMA	12	6	8.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
RT	480+60.00	F.E.	AGG	20	6	13.33			3.04
LT	494+05.00	M.B.	HMA	72	8	40.89	29.44	6.87	
LT	494+05.00	P.E.	HMA	15	6	10.00	ENTRANCE QUANTITY INCLUDED IN MAILBOX TURNOUT CALC		
LT	496+12.00	P.E.	HMA	75	6	50.00	36	8.40	
SIDE ROADS									
RT	00+00.00	IL - 164 (S. Direction)	HMA	81	18	161.00	115.92	27.05	
LT	00+05.00	8th Street	HMA	40	6	26.67	19.2	4.48	
LT	04+00.00	9th Street	HMA	40	6	26.67	19.2	4.48	
RT	05+75.00	Schuyler Street	AGG	45	6	30.00			6.83
LT	08+00.00	10th Street	HMA	85	6	56.67	40.8	9.52	
RT	15+90.00	12th Street	HMA	65	6	43.33	31.2	7.28	
LT	19+00.00	12th Street	HMA	50	6	33.33	24	5.60	
RT	47+50.00	1350 E	HMA	90	6	60.00	43.2	10.08	
LT	47+50.00	1350 E	HMA	105	6	70.00	50.4	11.76	
LT	98+10.00	Little Brick Road	HMA	144	4	64.00	46.08	10.75	
RT	106+00.00	1470 E	HMA	40	6	26.67	19.2	4.48	
LT	137+90.00	2120 N	AGG	60	6	40.00			9.11
LT	199+30.00	1525 E	AGG	40	6	26.67			6.07
LT	240+50.00	IL - 94 N. Leg	HMA	155	60	1033.33	744	173.60	
RT	240+50.00	IL - 94 S. Leg	HMA	155	60	1033.33	744	173.60	
LT	295+65.00	1800 E	HMA	55	6	36.67	26.4	6.16	
RT	295+75.00	1800 E	HMA	55	6	36.67	26.4	6.16	
LT	351+70.00	1900 E	HMA	38	6	25.33	18.24	4.26	
RT	453+90.00	2000 E	HMA	45	6	30.00	21.6	5.04	
LT	454+45.00	2000 E	HMA	56	6	37.33	26.88	6.27	
IL 164 SUBTOTAL:							2159.3	503.8	34.6
TOTALS:							3516	820	157

PARTIAL DEPTH PATCHING					
SIZE	WB LANE	EB LANE	PARTIAL DEPTH PATCHING (SPECIAL)	PARTIAL DEPTH PATCHING	BITUMINOUS MATERIALS (TACK COAT)
FT X FT	QUANTITY	QUANTITY	SQ YD	TON	POUND
500x3		2	333.3	56.0	240.0
25x6	1	5	100.0	16.8	72.0
50x6	7	11	600.0	100.8	432.0
75x6	1	1	100.0	16.8	72.0
100x6	10	21	2066.7	347.2	1488.0
150x6	6	2	800.0	134.4	576.0
200x6	7	15	2933.3	492.8	2112.0
250x6	2	1	500.0	84.0	360.0
300x6	1		200.0	33.6	144.0
6x11	6		44.0	7.4	31.7
10x11	3	9	146.7	24.6	105.6
15x11	2	3	91.7	15.4	66.0
20x11	2	6	195.6	32.9	140.8
25x11	4	4	244.4	41.1	176.0
40x11	2	2	195.6	32.9	140.8
50x11	8	5	794.4	133.5	572.0
75x11	1	1	183.3	30.8	132.0
100x11	15	5	2444.4	410.7	1760.0
125x11	2		305.6	51.3	220.0
150x11	4		733.3	123.2	528.0
6x12	2		16.0	2.7	11.5
10x12	8		106.7	17.9	76.8
15x12	2	5	140.0	23.5	100.8
20x12	4		106.7	17.9	76.8
25x12	3		100.0	16.8	72.0
40x12	1		53.3	9.0	38.4
50x12		5	333.3	56.0	240.0
75x12	1		100.0	16.8	72.0
100x12	2	3	666.7	112.0	480.0
200x12	1	1	533.3	89.6	384.0
300x12		1	400.0	67.2	288.0
400x12	1		533.3	89.6	384.0
TOTALS:			16102	2705	11593

SCHEDULE OF GUARDRAIL QUANTITIES											
SIDE	FROM STA	TO STA	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 6	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	STRONG POST GUARDRAIL ATTACHED TO CULVERT	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	GUARDRAIL REFLECTORS TYPE A	GUARDRAIL AGGREGATE CONTROL	TERMINAL DIRECT APPLIED
	FROM STA	TO STA	EACH	EACH	EACH	FOOT	FOOT	FOOT	EACH	TON	EACH
LT	93+15.50	93+53.00	1	0	1	0			1	7.6	1
RT	93+15.50	93+53.00	0	1	1	0		15	1	7.6	0
LT	97+48.00	97+98.00	1	0	1	0			1	10.2	1
RT	97+48.00	97+98.00	1	0	1	0			1	10.2	1
LT	148+34.00	149+84.00	1	0	1	87.5			2	30.5	1
RT	147+96.50	149+84.00	1	0	1	125			3	38.2	1
LT	151+76.00	153+63.50	1	0	1	125			3	38.2	1
RT	151+76.00	152+63.50	1	0	1	25			2	17.8	1
RT	364+31.00	366+56.00	2	0	0	125	37.5		3	45.8	2
LT	364+68.00	367+05.50	2	0	0	137.5	37.5		3	48.3	2
TOTAL:			11	1	8	625	75	15	20	254	11

USER NAME = szetogh DESIGNED - REVISED - DRAWN - REVISED - PLOT SCALE = 12000.0000 ' / in. CHECKED - REVISED - PLOT DATE = 3/25/2020 DATE - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SCHEDULE OF QUANTITIES					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
										657	116RS-4;117RS-3	HENDERSON	52	16
					SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.					CONTRACT NO. 68F21				

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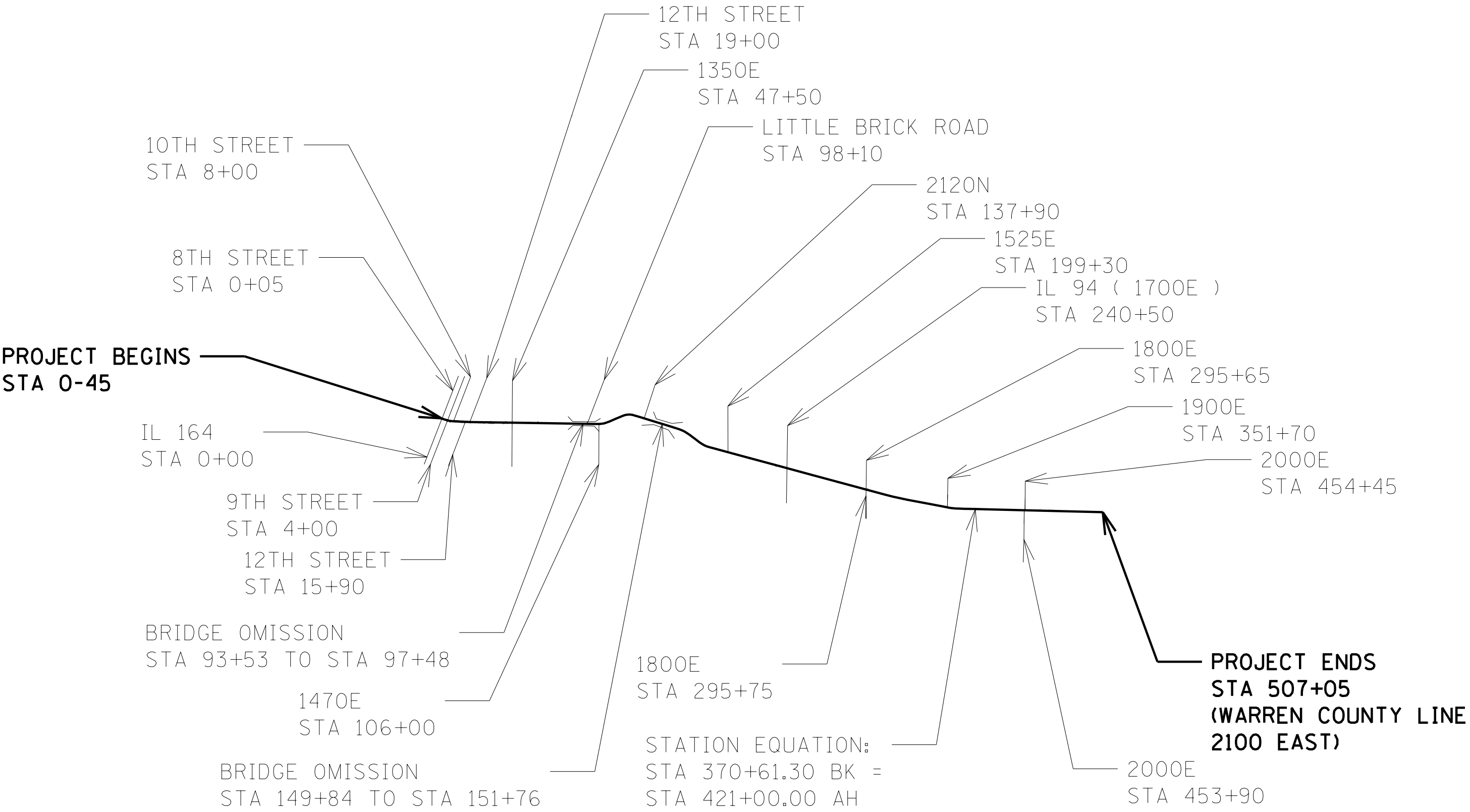
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS																						
LOCATION				PAVEMENT MARKING LINE 4"				PAVEMENT MARKING LINE 6"		PAVEMENT MARKING LINE 8"		PAVEMENT MARKING LINE 12"		PAVEMENT MARKING LINE 24"	PAVEMENT MARKING LETTERS AND SYMBOLS	RAISED REFLECTIVE PAVEMENT MARKERS						
				SOLID - WHITE		SOLID - YELLOW		SKIP DASH - YELLOW		SOLID WHITE		SOLID WHITE		SOLID - WHITE		DIAGONAL YELLOW	WHITE	WHITE	REMOVAL	ONE-WAY AMBER	ONE-WAY CRYSTAL	TWO-WAY AMBER
				EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB							
				FT		FT		FT		FT		FT		FT								
STA.	00+45.00	TO STA.	13+75.00	1,420	1,420			360	70								0			18		
STA.	13+75.00	TO STA.	18+25.00	450	450	450		110									0			6		
STA.	18+25.00	TO STA.	19+70.00	145	145	290											0			2		
STA.	19+70.00	TO STA.	25+00.00	530	530		530	130									0			7		
STA.	25+00.00	TO STA.	46+45.00	2,145	2,145			540									0			27		
STA.	46+45.00	TO STA.	60+00.00	1,355	1,355	1355		340									0			17		
STA.	60+00.00	TO STA.	60+90.00	90	90			20									0			2		
STA.	60+90.00	TO STA.	69+00.00	810	810		810	200									0			11		
STA.	69+00.00	TO STA.	93+00.00	2,400	2,400			600									0			30		
STA.	93+00.00	TO STA.	93+53.00	53	53	53		10									0			1		
BRIDGE OMISSION																						
STA.	97+48.00	TO STA.	130+25.00	3,277	3,277	6,554											0			41		
STA.	130+25.00	TO STA.	139+65.00	940	940		940	240									0			12		
STA.	139+65.00	TO STA.	149+84.00	1,019	1,019			250									0			13		
BRIDGE OMISSION																						
STA.	151+76.00	TO STA.	154+65.00	289	289			70									0			4		
STA.	154+65.00	TO STA.	165+80.00	1,115	1,115	1115		280									0			14		
STA.	165+80.00	TO STA.	184+25.00	1,845	1,845	3,690											0			24		
STA.	184+25.00	TO STA.	193+80.00	955	955		955	240									0			12		
STA.	193+80.00	TO STA.	220+90.00	2,710	2,710			680									0			34		
STA.	220+90.00	TO STA.	230+00.00	910	910	910		230									0			12		
STA.	230+00.00	TO STA.	233+00.00	300	300	600											0			4		
STA.	233+00.00	TO STA.	249+45.00	1,737	1,732	6032				266	260	103	105	536.25	61	62	68	66	20	24		
STA.	249+45.00	TO STA.	257+25.00	780	780		780	200									0			10		
STA.	257+25.00	TO STA.	348+90.00	9,165	9,165			2290									0			115		
STA.	348+90.00	TO STA.	350+90.00	200	200	200		50									0			3		
STA.	350+90.00	TO STA.	370+61.30	1,971	1,971	3,943											0			25		
STA.	421+00.00	TO STA.	423+25.00	225	225	450											0			3		
STA.	423+25.00	TO STA.	431+35.00	810	810		810	200									0			11		
STA.	431+35.00	TO STA.	506+84.00	7,549	7,549			1890									0			95		
SUB-TOTAL:				90,386		30,466		8,930		70		526		208		536	61	62	68	66	20	577
TOTAL:				129,782				70		526		744				61	62	68	663			

SHORT TERM PAVEMENT MARKING															
CENTER LINE								Edge Line							
FROM STA	TO STA	LENGTH	COLD MILLED	PRIME COAT	LEVELING BINDER	PRIME COAT	SURFACE COURSE	FROM STA	TO STA	LENGTH	COLD MILLED	PRIME COAT	LEVELING BINDER	PRIME COAT	SURFACE COURSE
00+45.00	93+53.00	9398.00	854.4	854.4	854.4	854.4	854.4	00+45.00	00+65.00	20.00	0.8	0.8	0.8	0.8	0.8
BRIDGE OMISSION								00+65.00	05+13.00	448	35.8	35.8	35.8	35.8	35.8
97+48.00	149+84.00	878.87	79.9	79.9	79.9	79.9	79.9	05+13.00	05+90.00	77.00	3.1	3.1	3.1	3.1	3.1
BRIDGE OMISSION								156+00.00	173+30.00	1730	69.2	69.2	69.2	69.2	69.2
151+76.00	370+61.3 (BK)	21885.3	1989.6	1989.6	1989.6	1989.6	1989.6								
421+00 (AH)	507+05.00	8605.00	782.3	782.3	782.3	782.3	782.3								
SUBTOTAL			18530.5					SUBTOTAL			544.6				
TOTAL			19075												

SHORT TERM PAVEMENT MARKING REMOVAL					
LOCATION				LENGTH APPLIED	AREA REMOVED
				FT	SQ FT
STA.	00+45.00	TO STA.	507+05.00	3815	1,272
TOTAL					1,272

	USER NAME = szetagh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							657	116RS-4;117RS-3	HENDERSON	52	17
	PLOT SCALE = 12000.0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 68F21									
	PLOT DATE = 3/25/2020	DATE -	REVISED -		SCALE:	SHEET 6	OF 6	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT		

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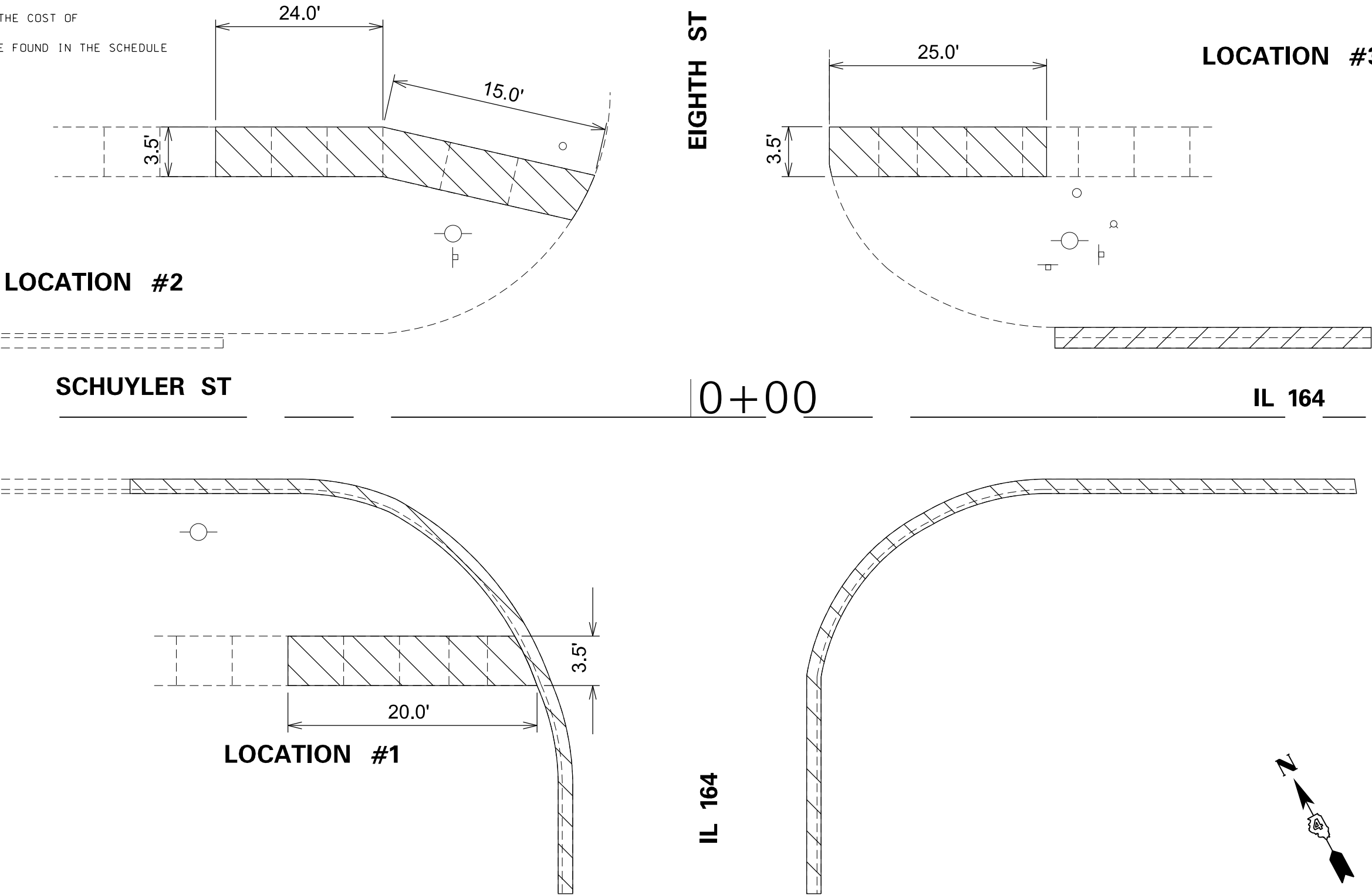
	USER NAME = szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LINE DIAGRAM			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					657	116RS-4:117RS-4	HENDERSON	52	18
	PLOT SCALE = 12000.0000 ' / in.	CHECKED -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 68F21				
	PLOT DATE = 3/25/2020	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

GENERAL NOTES

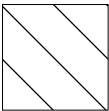
1. WHERE PAVEMENT REMOVAL IS REQUIRED FOR INSTALLATION OF THE SIDEWALK, THE SAWCUTS SHALL BE MADE 1 FT BEYOND THE EDGE OF THE SIDEWALK TO ALLOW FOR PLACEMENT OF FORMS. SAWCUTTING OF THE PAVEMENT AND PAVEMENT REMOVAL SHALL BE INCLUDED IN THE COST OF PCC SIDEWALK, 4"
2. SAWCUTTING THE SIDEWALK IS INCLUDED IN THE COST OF SIDEWALK REMOVAL.
3. CURB AND GUTTER REMOVAL LOCATIONS CAN BE FOUND IN THE SCHEDULE OF QUANTITIES.

LOCATIONS #1 – #3 REMOVAL DETAILS

IL 164 & EIGHTH ST



LEGEND



SIDEWALK / SIDE CURB REMOVAL

NOT TO SCALE

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USER NAME	= szetogh	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 12000.0000 ' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 3/25/2020	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA IMPROVEMENTS

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

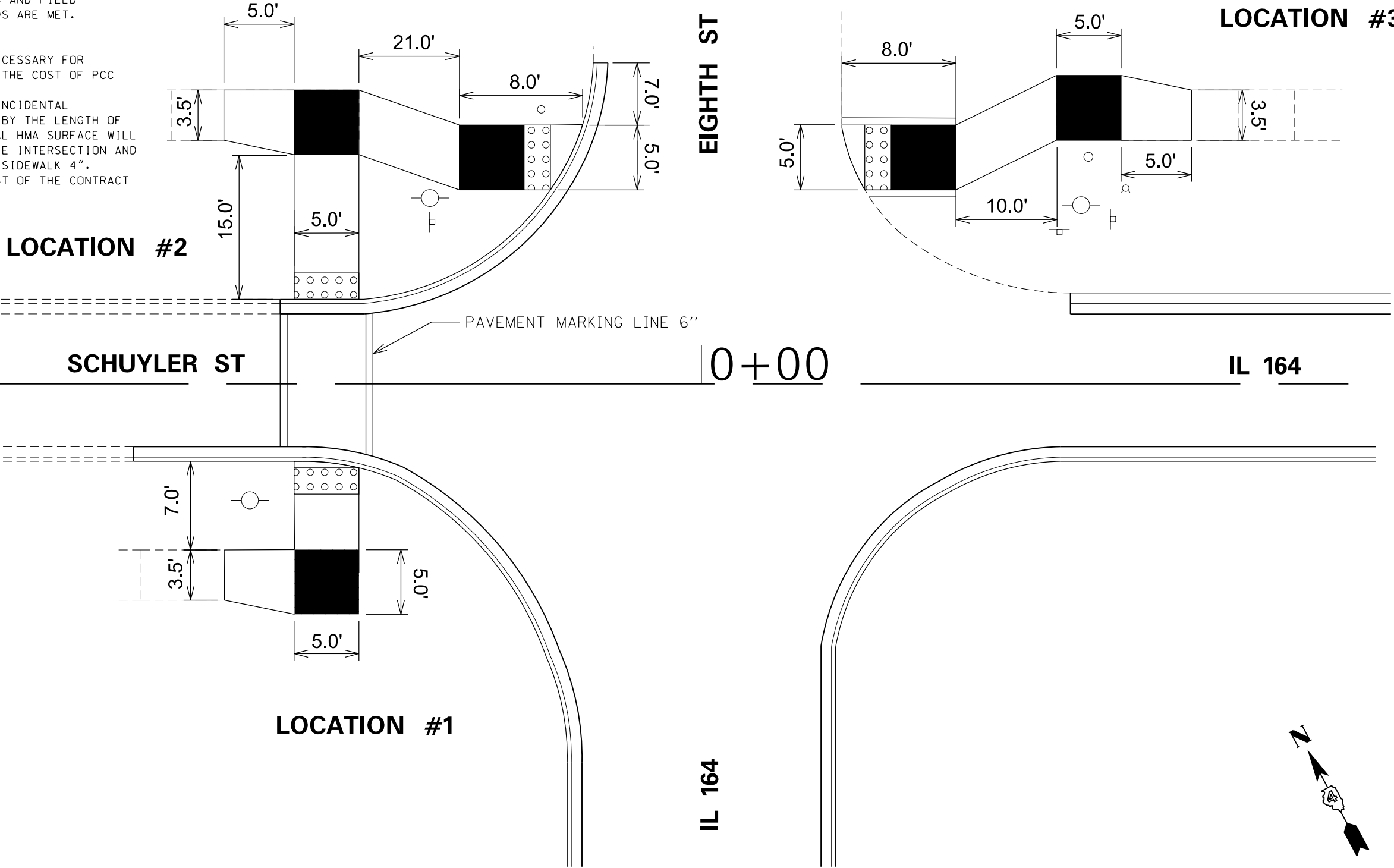
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4;117RS-3	HENDERSON	52	19
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- 1. ALL SIDEWALK SHOULD FOLLOW STANDARDS 424001-11, AND 424016-05
- 2. SIDEWALK CROSS SLOPE = 1.5% (2.0% MAX.)
- 3. UPPER LANDINGS AND LOWER LANDINGS SHALL BE 1.5% MAXIMUM IN ANY DIRECTION; INCLUDING DIAGONALLY. LANDINGS AND TURNING SPACES SHOULD HAVE A MINIMUM DIMENSION OF 4' BY 4', BUT 5' BY 5' IS PREFERRED.
- 4. MAXIMUM RAMP LONGITUDINAL SLOPE = 8.3% (1:12)
- 5. CONTRACTOR SHALL VERIFY REMOVAL LIMITS AND FIELD ELEVATIONS TO ENSURE THAT ADA STANDARDS ARE MET.
- 6. SAWCUTTING THE SIDEWALK IS INCLUDED IN THE COST OF SIDEWALK REMOVAL.
- 7. ANY EXCAVATION OR AGGREGATE SUBBASE NECESSARY FOR THE PROPOSED SIDEWALK IS INCLUDED IN THE COST OF PCC SIDEWALK, 4".
- 8. UNLESS OTHERWISE NOTED IN THE PLANS, INCIDENTAL HMA SURFACE HAS THE DIMENSIONS OF 1' BY THE LENGTH OF SIDEWALK WITH A DEPTH OF 4". INCIDENTAL HMA SURFACE WILL BE PLACED WHERE THE SIDEWALK MEETS THE INTERSECTION AND SHALL BE INCLUDED IN THE COST OF PCC SIDEWALK 4".
- 9. SIGN RELOCATION IS INCLUDED IN THE COST OF THE CONTRACT PAY ITEMS.

LOCATIONS #1 – #3 PROPOSED DETAILS

IL 164 & EIGHTH ST



LEGEND

- EXIST. SIDEWALK / CURB
- PROPOSED ELEMENT
- DETECTABLE WARNINGS
- LANDING AREA / TURNING SPACES

NOT TO SCALE

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PLOT SCALE	= 12000.0000 ' / in.	DATE	-	REVISED	-
PLOT DATE	= 3/25/2020				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA IMPROVEMENTS

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

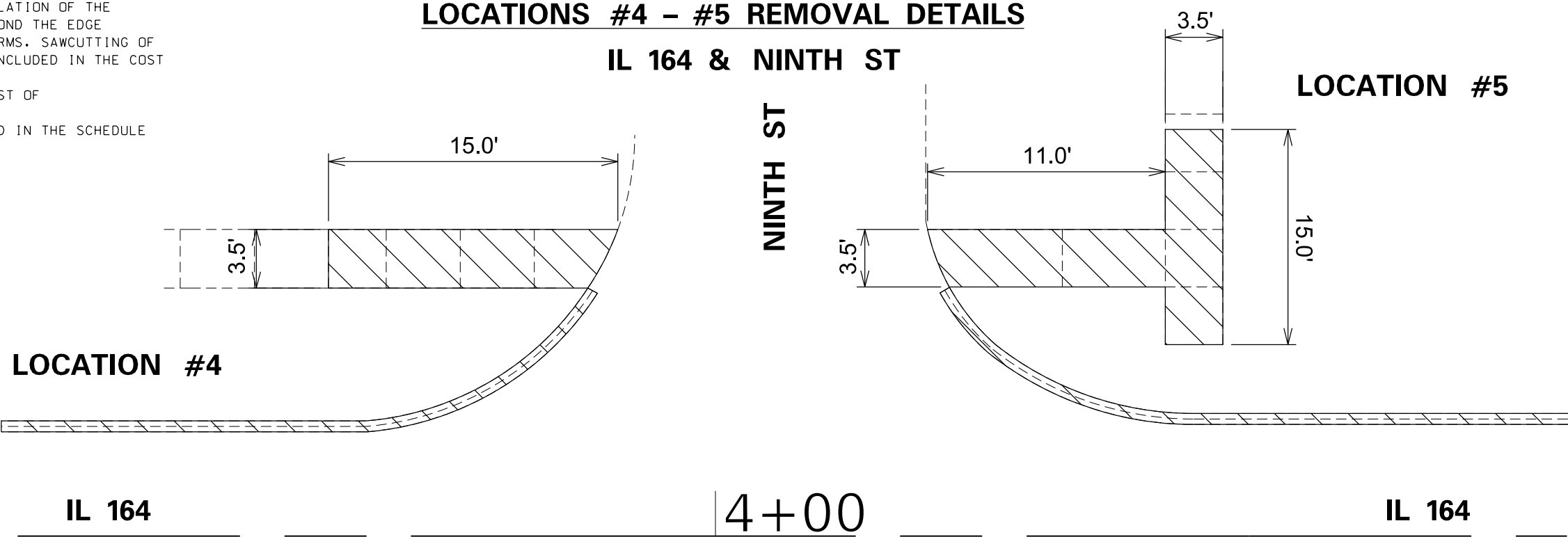
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4:117RS-3	HENDERSON	52	20
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

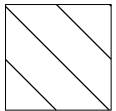
1. WHERE PAVEMENT REMOVAL IS REQUIRED FOR INSTALLATION OF THE SIDEWALK, THE SAWCUTS SHALL BE MADE 1 FT BEYOND THE EDGE OF THE SIDEWALK TO ALLOW FOR PLACEMENT OF FORMS. SAWCUTTING OF THE PAVEMENT AND PAVEMENT REMOVAL SHALL BE INCLUDED IN THE COST OF PCC SIDEWALK, 4"
2. SAWCUTTING THE SIDEWALK IS INCLUDED IN THE COST OF SIDEWALK REMOVAL.
3. CURB AND GUTTER REMOVAL LOCATIONS CAN BE FOUND IN THE SCHEDULE OF QUANTITIES.

LOCATIONS #4 – #5 REMOVAL DETAILS

IL 164 & NINTH ST



LEGEND



SIDEWALK / SIDE CURB REMOVAL



NOT TO SCALE

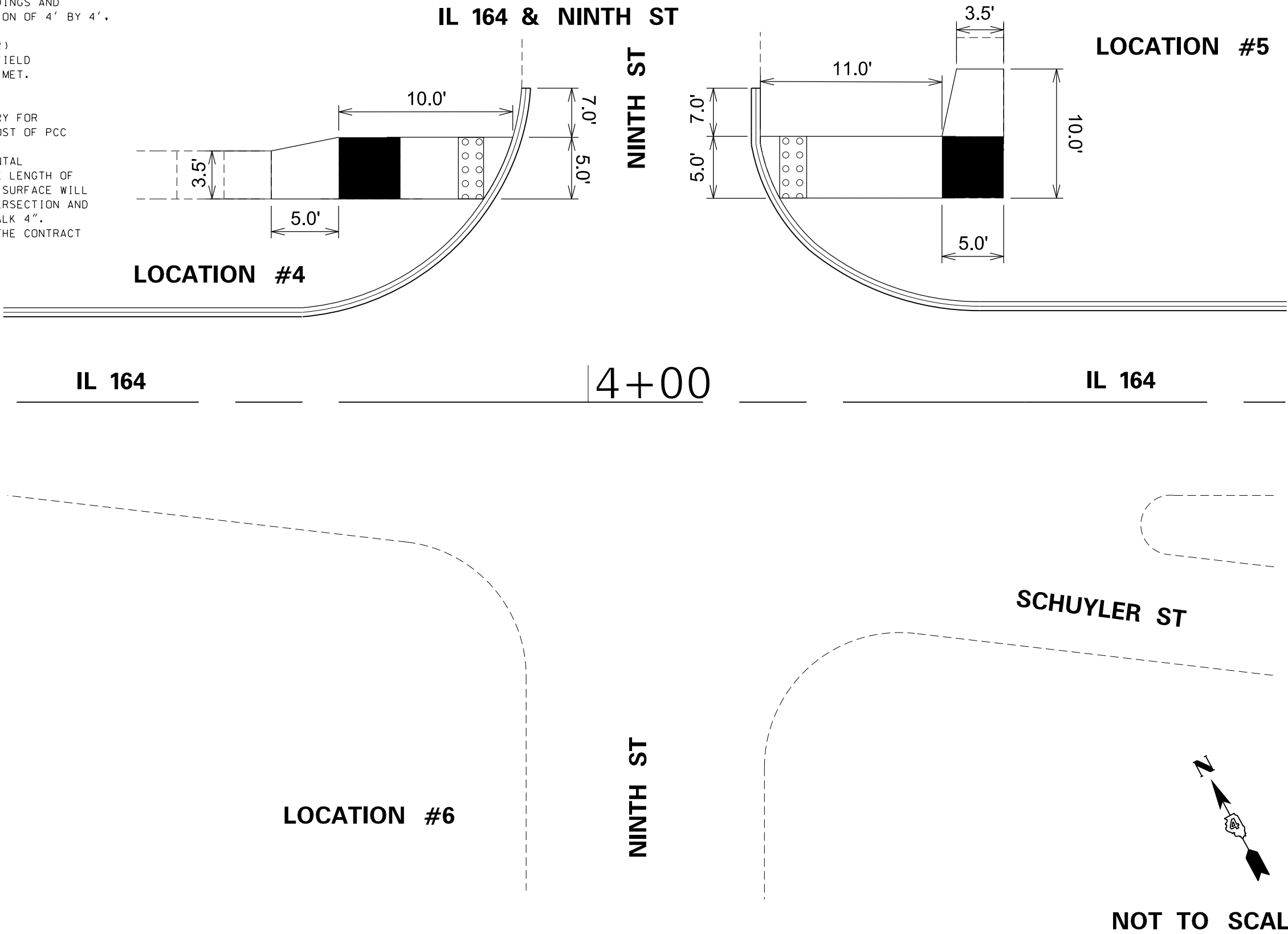
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	USER NAME = szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA IMPROVEMENTS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 12000.0000 ' / in.	DRAWN -	REVISED -					657	116RS-4:117RS-3	HENDERSON	52	21
	PLOT DATE = 3/25/2020	CHECKED -	REVISED -		SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.			CONTRACT NO. 68F21				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- 1. ALL SIDEWALK SHOULD FOLLOW STANDARDS 424001-11, AND 424016-05
- 2. SIDEWALK CROSS SLOPE = 1.5% (2.0% MAX.)
- 3. UPPER LANDINGS AND LOWER LANDINGS SHALL BE 1.5% MAXIMUM IN ANY DIRECTION; INCLUDING DIAGONALLY. LANDINGS AND TURNING SPACES SHOULD HAVE A MINIMUM DIMENSION OF 4' BY 4', BUT 5' BY 5' IS PREFERRED.
- 4. MAXIMUM RAMP LONGITUDINAL SLOPE = 8.3% (1:12)
- 5. CONTRACTOR SHALL VERIFY REMOVAL LIMITS AND FIELD ELEVATIONS TO ENSURE THAT ADA STANDARDS ARE MET.
- 6. SAWCUTTING THE SIDEWALK IS INCLUDED IN THE COST OF SIDEWALK REMOVAL.
- 7. ANY EXCAVATION OR AGGREGATE SUBBASE NECESSARY FOR THE PROPOSED SIDEWALK IS INCLUDED IN THE COST OF PCC SIDEWALK, 4".
- 8. UNLESS OTHERWISE NOTED IN THE PLANS, INCIDENTAL HMA SURFACE HAS THE DIMENSIONS OF 1' BY THE LENGTH OF SIDEWALK WITH A DEPTH OF 4".INCIDENTAL HMA SURFACE WILL BE PLACED WHERE THE SIDEWALK MEETS THE INTERSECTION AND SHALL BE INCLUDED IN THE COST OF PCC SIDEWALK 4".
- 9. SIGN RELOCATION IS INCLUDED IN THE COST OF THE CONTRACT PAY ITEMS.

LOCATIONS #4 - #5 PROPOSED DETAILS



LEGEND

- EXIST. SIDEWALK / CURB
- PROPOSED ELEMENT
- DETECTABLE WARNINGS
- LANDING AREA / TURNING SPACES

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	USER NAME = szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA IMPROVEMENTS			F.A.P. RTE. 657	SECTION 116RS-4:117RS-3	COUNTY HENDERSON	TOTAL SHEETS 52	SHEET NO. 22
	PLOT SCALE = 12000.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 68F21				
	PLOT DATE = 3/25/2020	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
								SCALE:	SHEET 4	OF 4 SHEETS	STA.	TO STA.

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PLOT SCALE	= 12000.0000 " / in.	CHECKED	-
PLOT DATE	= 3/25/2020	DATE	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN VIEW IL 164			
SCALE:	SHEET 1	OF 16 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4:117RS-3	HENDERSON	52	23
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 55+50

MATCH LINE STA 70+50



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MATCH LINE STA 40+50

MATCH LINE STA 55+50

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PLOT DATE	= 3/25/2020	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 3 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4:117RS-3	HENDERSON	52	25
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA 70+50

MATCH LINE STA 85+50

MATCH LINE STA 85+50

MATCH LINE STA 100+50



USER NAME	= szetogh	DESIGNED	-	REVISED	-
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PLOT DATE	= 3/25/2020	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 4 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4:117RS-3	HENDERSON	52	26
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

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PLOT DATE	= 3/25/2020	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 5 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4;117RS-3	HENDERSON	52	27
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA 130+50

MATCH LINE STA 145+50

MATCH LINE STA 145+50

MATCH LINE STA 160+50



USER NAME	= szetogh	DESIGNED	-
DRAWN	-	REVISED	-
PLOT SCALE	= 12000.0000 ' / in.	CHECKED	-
PLOT DATE	= 3/25/2020	DATE	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN VIEW IL 164			
SCALE:	SHEET 6	OF 16 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4:117RS-3	HENDERSON	52	28
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

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PLOT DATE	= 3/25/2020	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 7 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4:117RS-3	HENDERSON	52	29
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 205+50



MATCH LINE STA 220+50



MATCH LINE STA 190+50

MATCH LINE STA 205+50

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PLOT DATE	= 3/25/2020				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 8 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4;117RS-3	HENDERSON	52	30
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

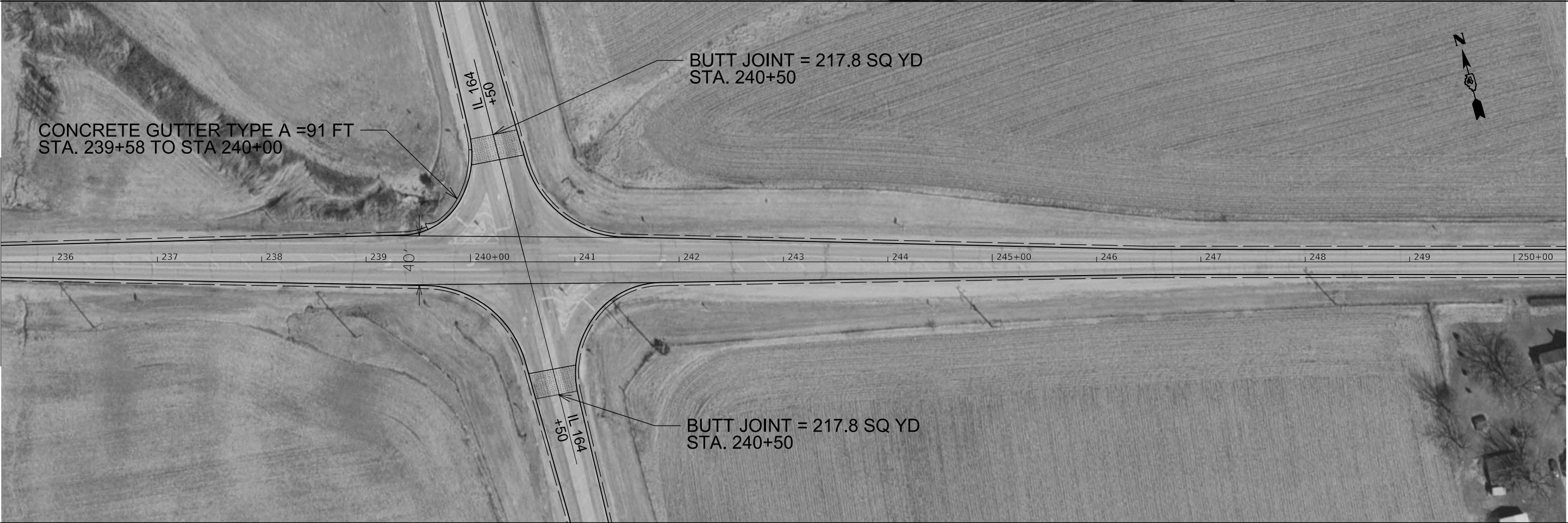
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MATCH LINE STA 220+50



MATCH LINE STA 235+50

MATCH LINE STA 235+50



MATCH LINE STA 250+50

USER NAME	= szetogh	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	= 12000.0000 ' / in.	DATE	-	REVISED	-
PLOT DATE	= 3/25/2020				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 9 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4:117RS-3	HENDERSON	52	31
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA 265+50



MATCH LINE STA 280+50

MATCH LINE STA 250+50



MATCH LINE STA 265+50

	USER NAME	= szetogh	DESIGNED	-	REVISED	-
	DRAWN	-	CHECKED	-	REVISED	-
	PLOT SCALE	= 12000.0000 ' / in.	DATE	-	REVISED	-
	PLOT DATE	= 3/25/2020				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 10 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4;117RS-3	HENDERSON	52	32
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA 295+50



MATCH LINE STA 310+50

MATCH LINE STA 280+50



MATCH LINE STA 295+50

USER NAME	= szetogh	DESIGNED	-	REVISED	-
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PLOT SCALE	= 12000.0000 " / in.	CHECKED	-	REVISED	-
PLOT DATE	= 3/25/2020	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 11 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4:117RS-3	HENDERSON	52	33
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 325+50

MATCH LINE STA 340+50



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MATCH LINE STA 310+50

MATCH LINE STA 325+50

USER NAME	= szetogh	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	= 12000.0000 ' / in.	DATE	-	REVISED	-
PLOT DATE	= 3/25/2020				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 12 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4;117RS-3	HENDERSON	52	34
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

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	USER NAME = szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN VIEW IL 164		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 12000.0000 ' / in.	DRAWN -	REVISED -				657	116RS-4:117RS-3	HENDERSON	52	35
	PLOT DATE = 3/25/2020	CHECKED -	REVISED -		SCALE:		CONTRACT NO. 68F21				
		DATE -	REVISED -		SHEET 13	OF 16 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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MATCH LINE STA 370+50



MATCH LINE STA 435+88.70



MATCH LINE STA 435+88.70

MATCH LINE STA 450+88.70

USER NAME	= szetogh	DESIGNED	-	REVISED	-
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PLOT SCALE	= 12000.0000 ' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 3/25/2020	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 14 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4:117RS-3	HENDERSON	52	36
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA 450+88.70



MATCH LINE STA 465+88.70

MATCH LINE STA 465+88.70



MATCH LINE STA 480+88.70

USER NAME	= szetogh	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	= 12000.0000 ' / in.	DATE	-	REVISED	-
PLOT DATE	= 3/25/2020				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 15 OF 16 SHEETS STA. TO STA.

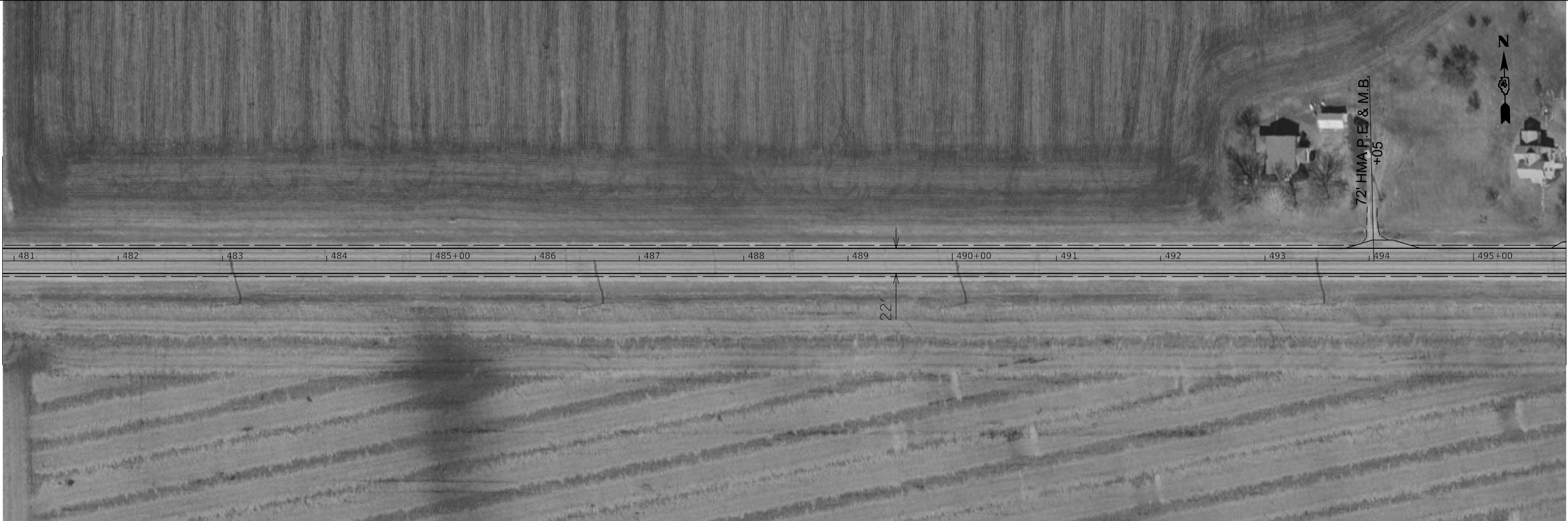
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4;117RS-3	HENDERSON	52	37
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA 495+88.70



MATCH LINE STA 480+88.70



MATCH LINE STA 495+88.70

USER NAME	= szetogh	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	= 12000.0000 ' / in.	DATE	-	REVISED	-
PLOT DATE	= 3/25/2020				

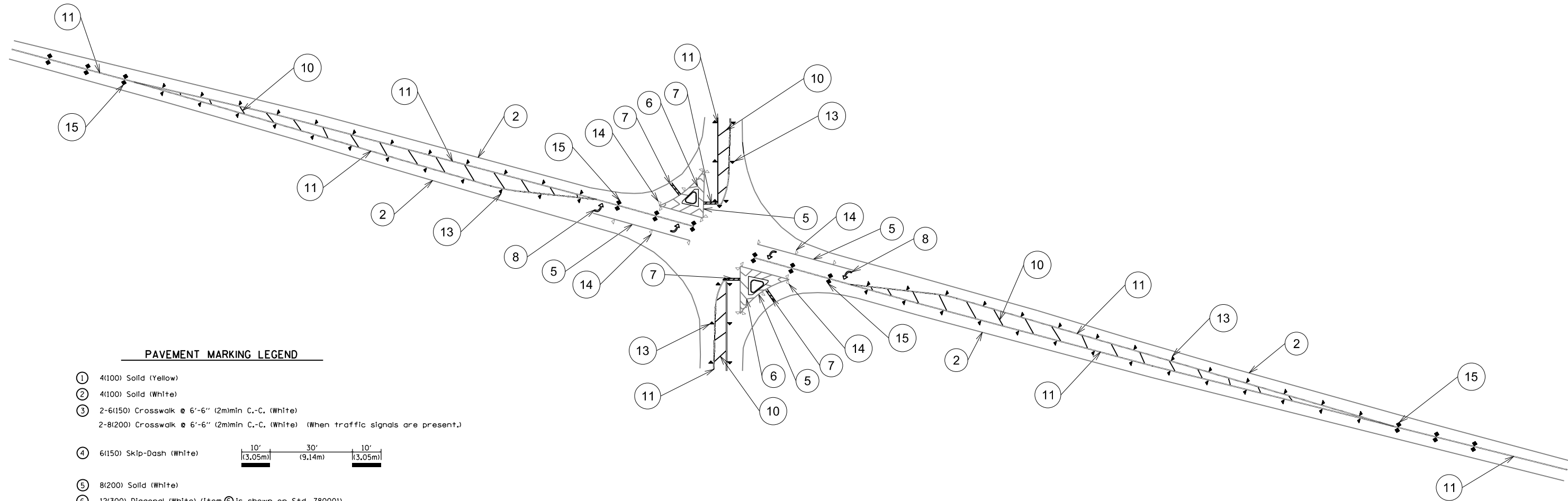
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL 164

SCALE: SHEET 16 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4:117RS-3	HENDERSON	52	38
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

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PAVEMENT MARKING LEGEND

- ① 4(100) Solid (Yellow)
② 4(100) Solid (White)
③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
④ 6(150) Skip-Dash (White)
⑤ 8(200) Solid (White)
⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
⑦ 24(600) Stop Bar (White)
⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
⑩ 12(300) Diagonal (Yellow) (See Table A)
⑪ 4(100) Double Solid (Yellow)
⑫ 24(600) Crosswalk (White) (see Crosswalk Detail A)
⑬ One-way Amber Marker ▶
⑭ One-way Crystal Marker ▷
⑮ Two-way Amber Marker ◆

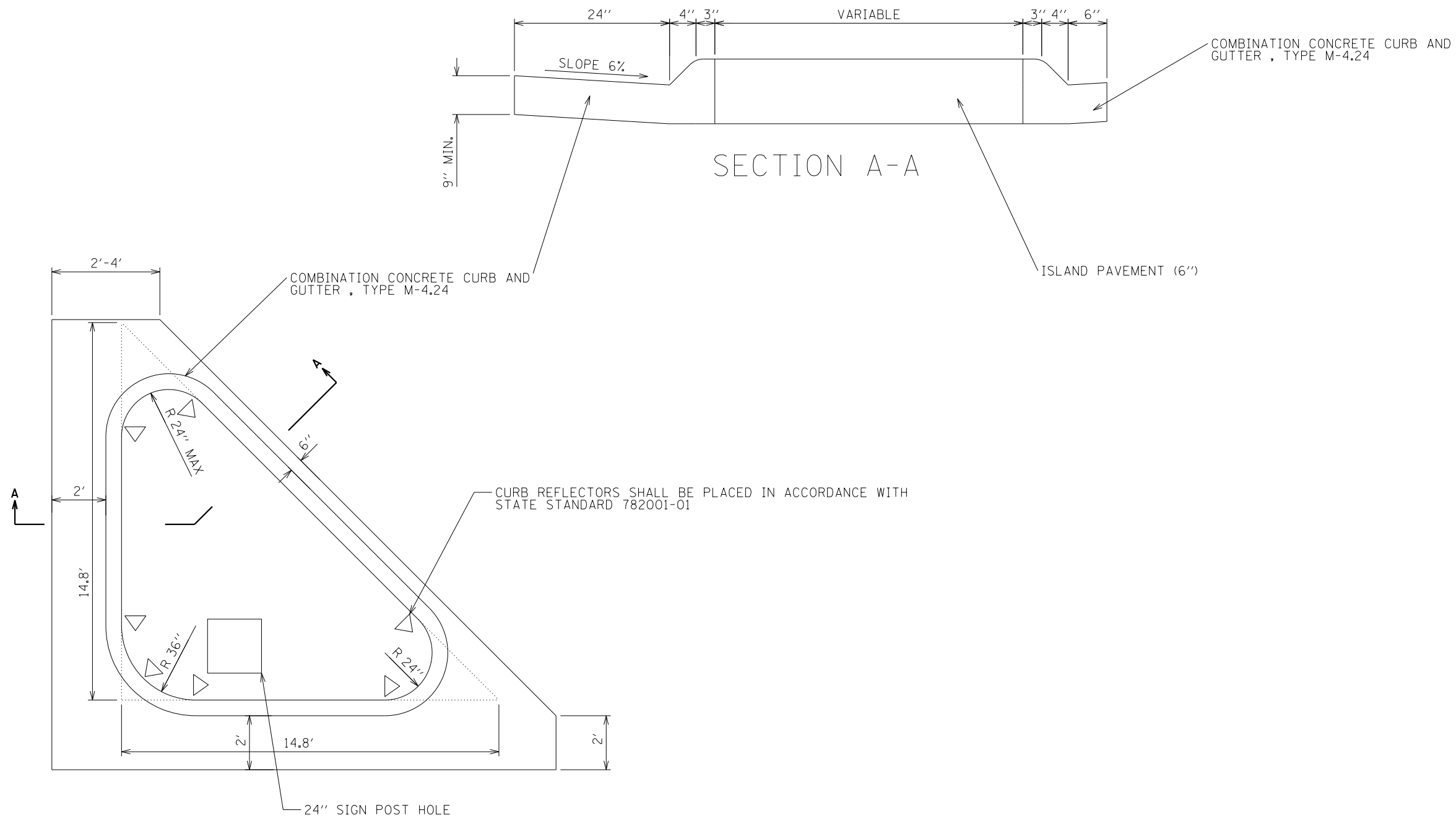
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAIL
INTERSECTION OF IL 164 & IL 94

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4:117RS-3	HENDERSON	52	39
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				

MODEL Default
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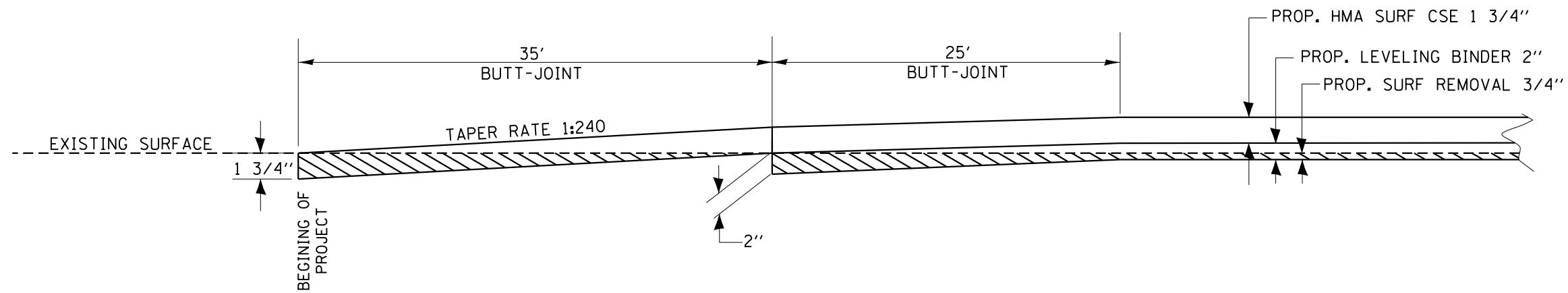
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	DRAWN -	REVISED -
PLOT SCALE = 1/2000.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/25/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ISLAND PAVEMENT 6" DETAIL

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

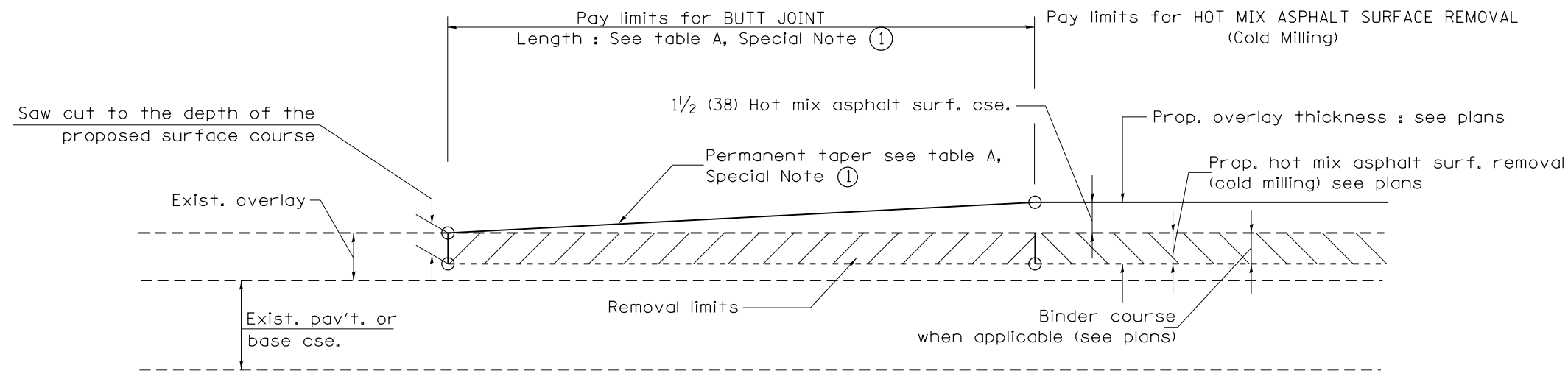
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4,117RS-3	HENDERSON	52	40
CONTRACT NO. 68F21				
ILLINOIS FED. AID PROJECT				



US-164 BUTT-JOINT DETAIL

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	USER NAME = szetogh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					657	116RS-4,117RS-3	HENDERSON	52	41
	PLOT SCALE = 12000.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 68F21				
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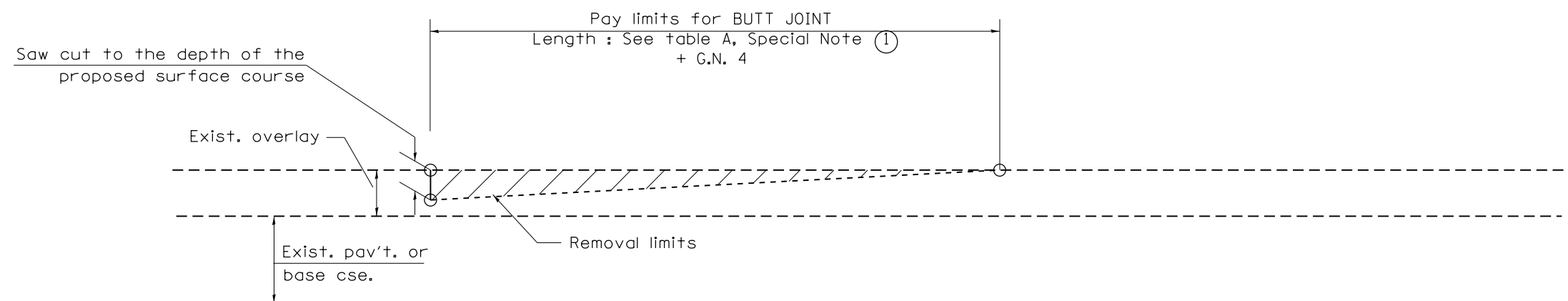
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

**TABLE A
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.

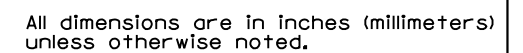


CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

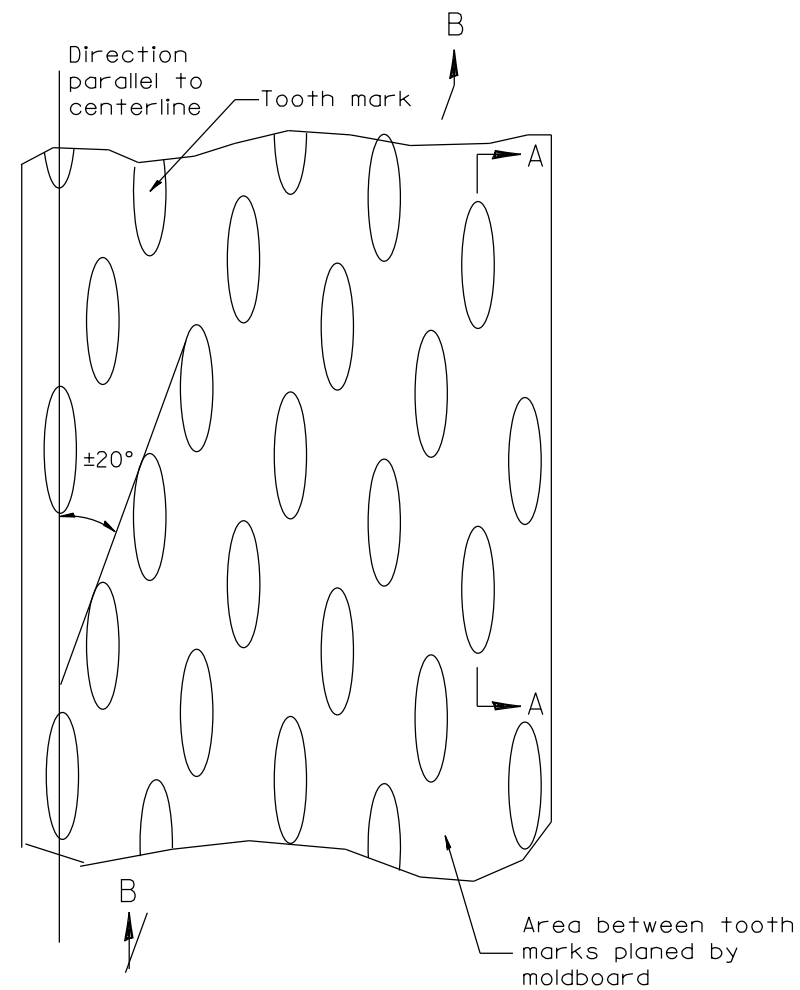
All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.	08-21-13	MAJOR MODIFICATIONS	R.D.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINTS	SHT. 1 OF 3 CADD STD. 406101-D4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-01-97	CORRECTION TO DEPTH	J.A.	04-12-16	MINOR CORRECTIONS	R.D.				657	116RS-4,117RS-3	HENDERSON	52	42
09-15-05	REVISED DESIGNER NOTE	M.M.A.	02-14-17	ADDED NOTE 5	R.D.				CONTRACT NO. 68F21				
10-16-06	REVISED TO 2007 SPEC.	M.A.	07-16-19	Wordng and Spelling corrections	R.D.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOT TO SCALE

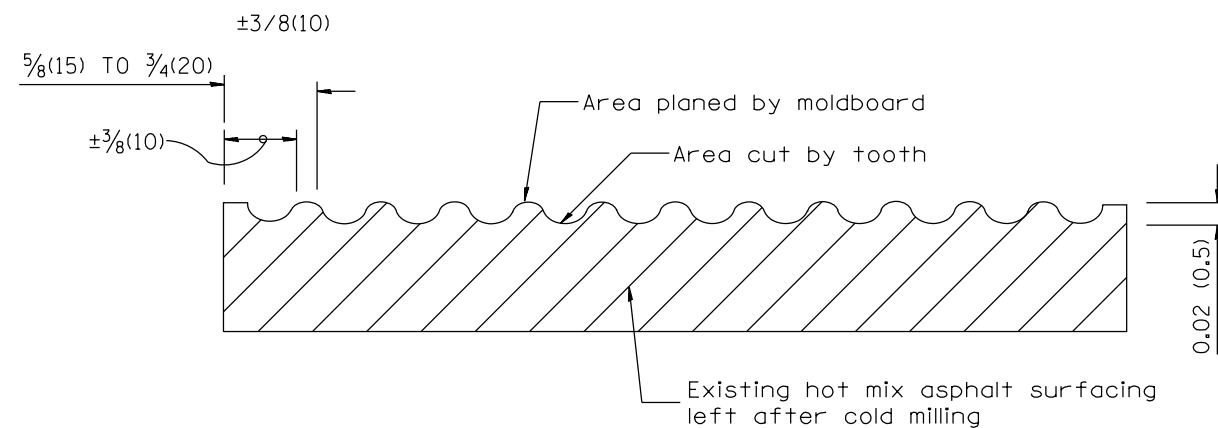
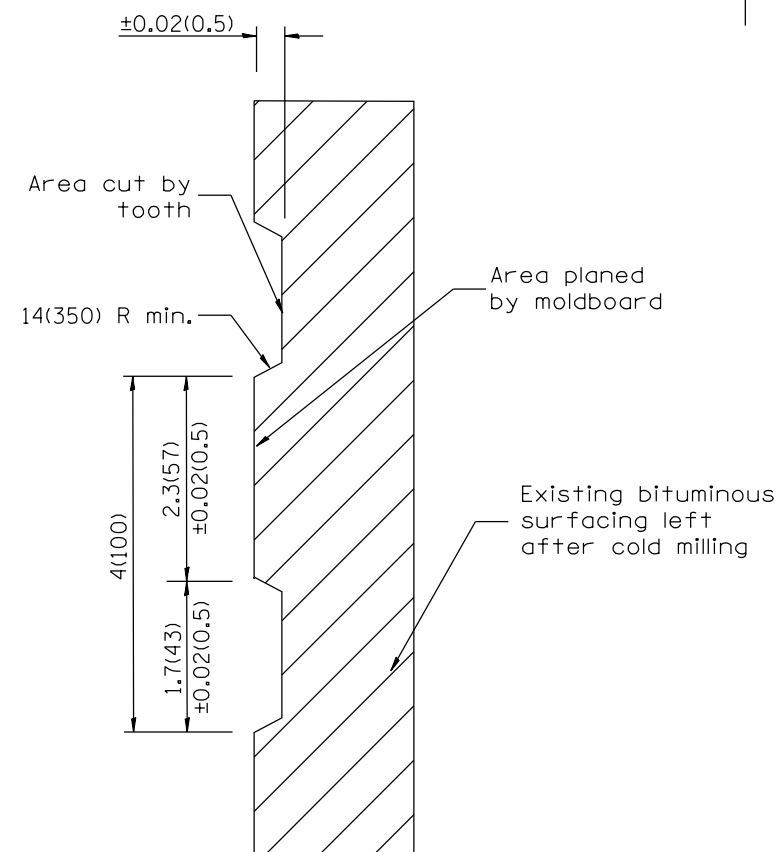
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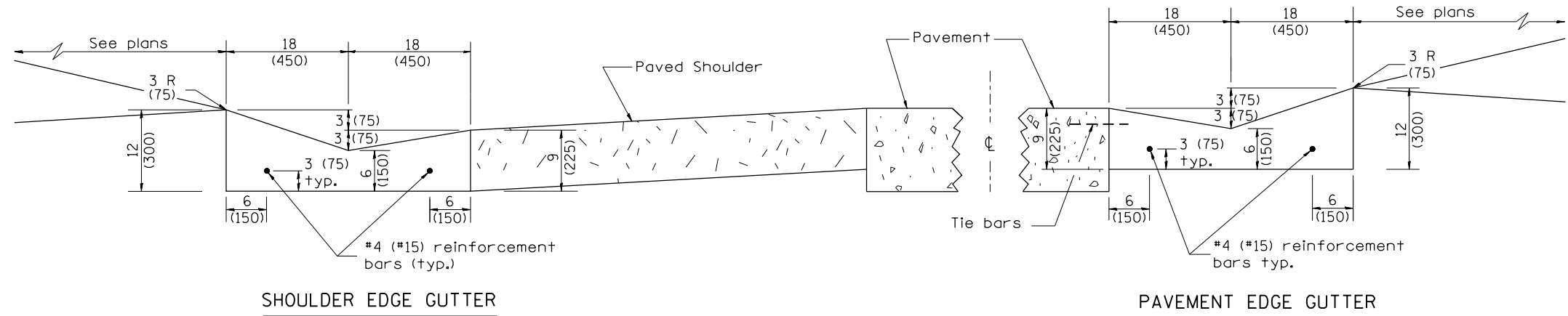
General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.

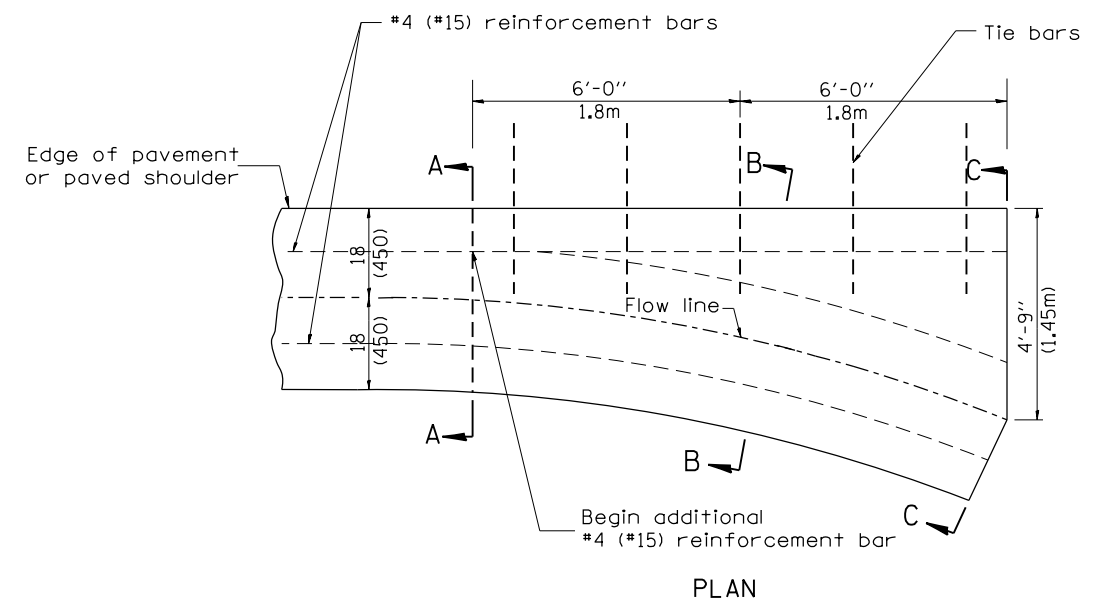
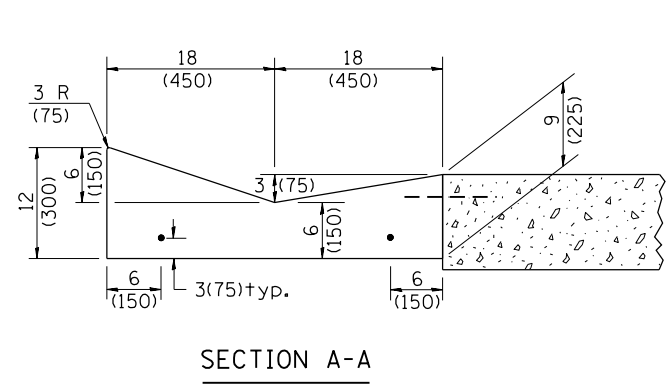


All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION NOT TO SCALE	HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING) CADD STD. 440001-D4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.						657	116RS-4,117RS-3	HENDERSON	52	45
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.										
10-16-06	REVISED TO 2007 SPEC.	M.A.										
								CONTRACT NO. 68F21				
							FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			



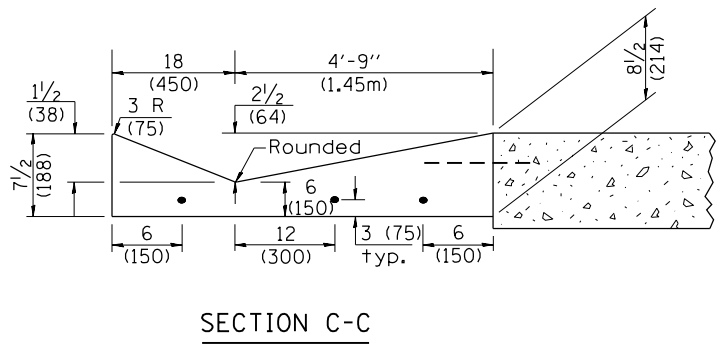
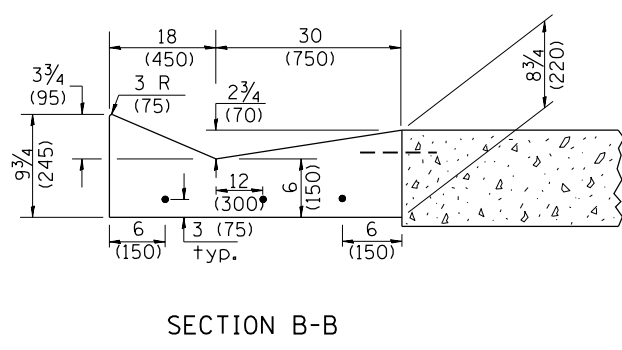
CONCRETE GUTTER, TYPE A, (SPECIAL)



QUANTITY
Section C-C to A-A= 1.2 cu. yd.
(0.92 m³) concrete.

GENERAL NOTES:

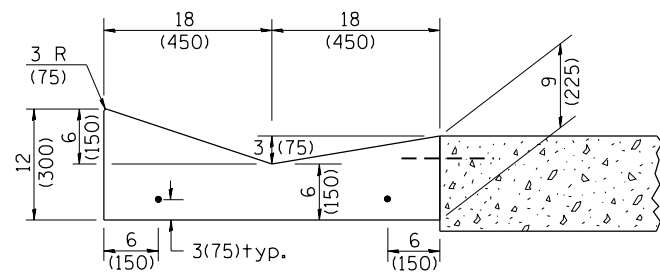
1. CONCRETE GUTTER, TYPE A, (SPECIAL) shall conform to the applicable portions of Section 606.
2. Tie bars shall be No. 6x24 (No. 19x600) at 36" (900mm) centers unless otherwise shown.
3. Gutter, gutter inlets, gutter outlets, and gutter entrances shall be tied to rigid pavement in accordance with details shown on Standard 420001.
4. Joints shall be constructed in accordance with Article 606.06.
5. Welded wire fabric shall conform to Article 1006.10(c)(1), and shall not be less than 58 lbs/100 sq.ft. (2.83 kg/m²).



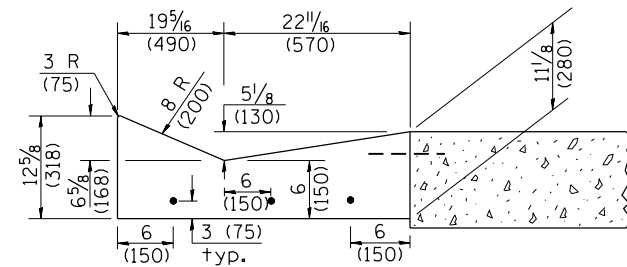
INLET

All dimensions are in inches (millimeters) unless otherwise noted.

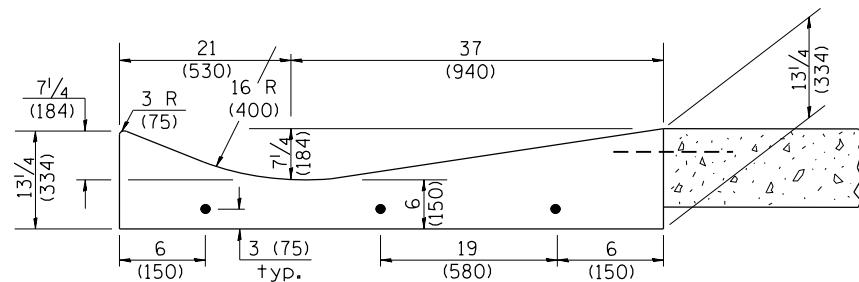
01-01-97	RENUM. A-1.02, NEW REVISION BOX, ELIMINATED	T.P.	01-10-07	REVISED QUANTITY	M.A.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE GUTTER, TYPE A, (SPECIAL) (INLET, OUTLET & ENTRANCE)	SHT. 1 OF 3 CADD STD. 606101-D4	NOT TO SCALE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	EXPANSION ANCHOR TIES		11-16-07	REVISED QUANTITY	M.A.									
02-28-02	ENTRANCE TYPICALS REVISED	M.A.	02-15-11	CHANGED MODIFIED TO SPECIAL	R.D.									
10-16-06	REVISED TO 2007 SPEC.	M.A.	01-31-18	REVISED TIE BAR SIZE & SPACING	R.D.									
NOT TO SCALE														
										CONTRACT NO. 68F21				
										FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



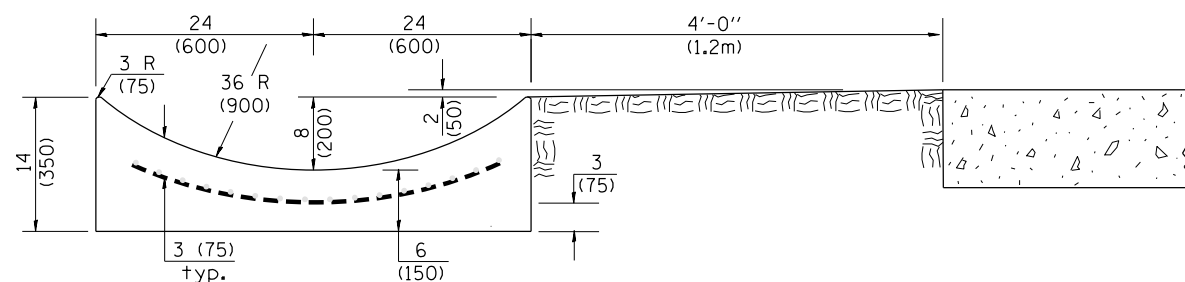
SECTION A-A



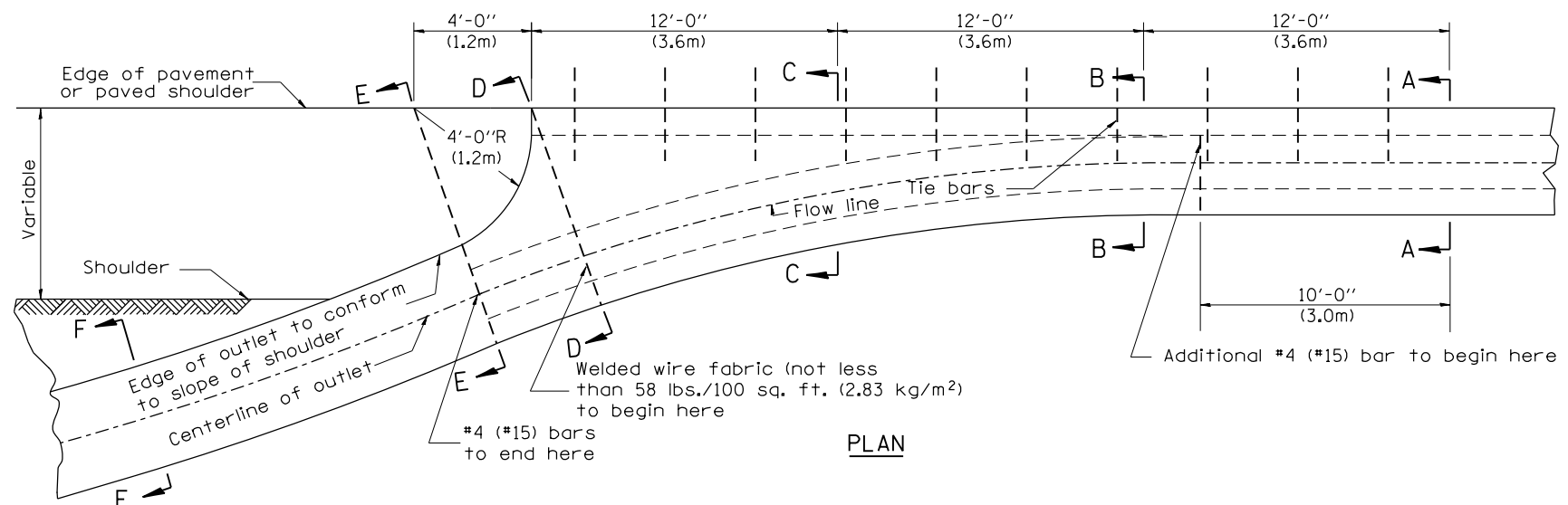
SECTION B-B



SECTION C-C



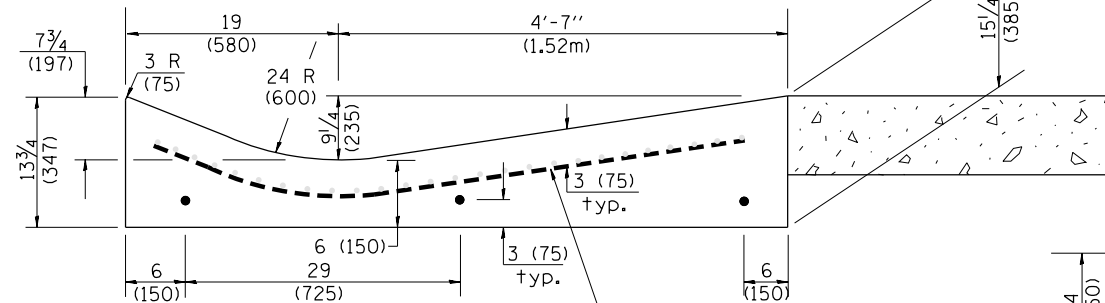
SECTION E-E



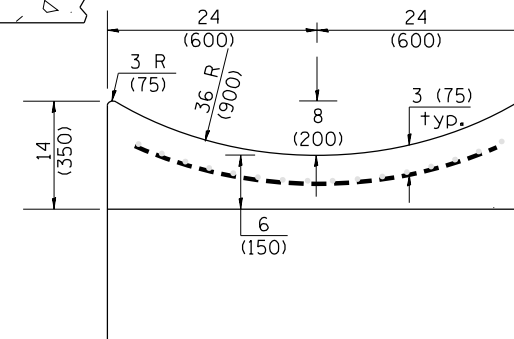
PLAN

QUANTITY
Section A-A to E-E= 4.5 cu. yd. (3.36 m³) concrete.
Section E-E to F-F= 0.10 cu. yd./ft. (0.26 m³/m) concrete.

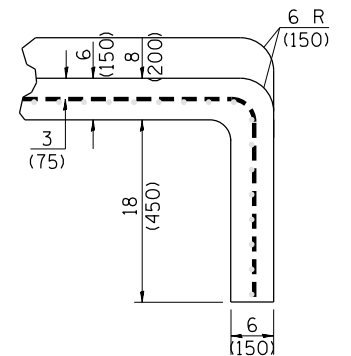
If the average grade of pavement for the distance from section A-A to section D-D exceeds 2%, this distance shall be increased 6 ft. (1.8 m) for each 1% increase in grade. A quantity adjustment is required.



SECTION D-D



SECTION F-F



SECTIONS AT END OF OUTLET
(CURTAIN WALL)

QUANTITY
Curtain Wall = 0.1 cu. yd. (0.08 m³) concrete.

OUTLET

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

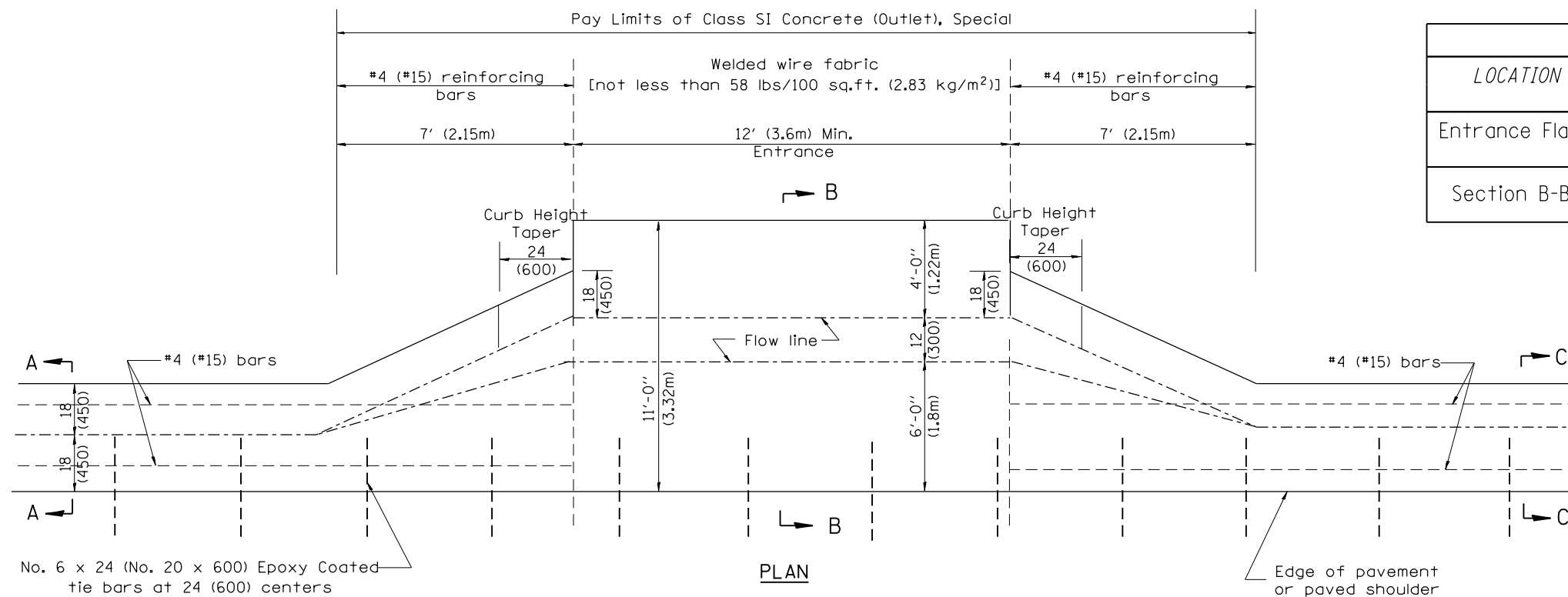
CONCRETE GUTTER, TYPE A, (SPECIAL)
(INLET, OUTLET & ENTRANCE)

NOT TO SCALE

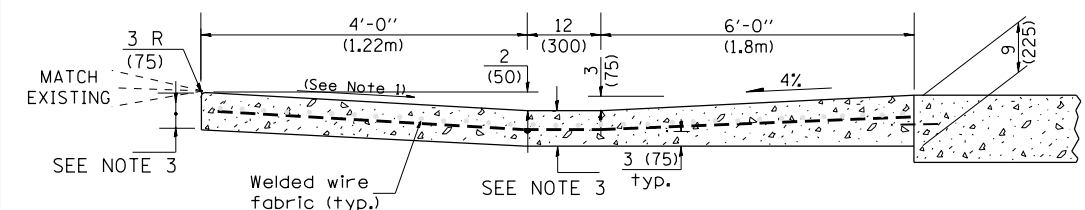
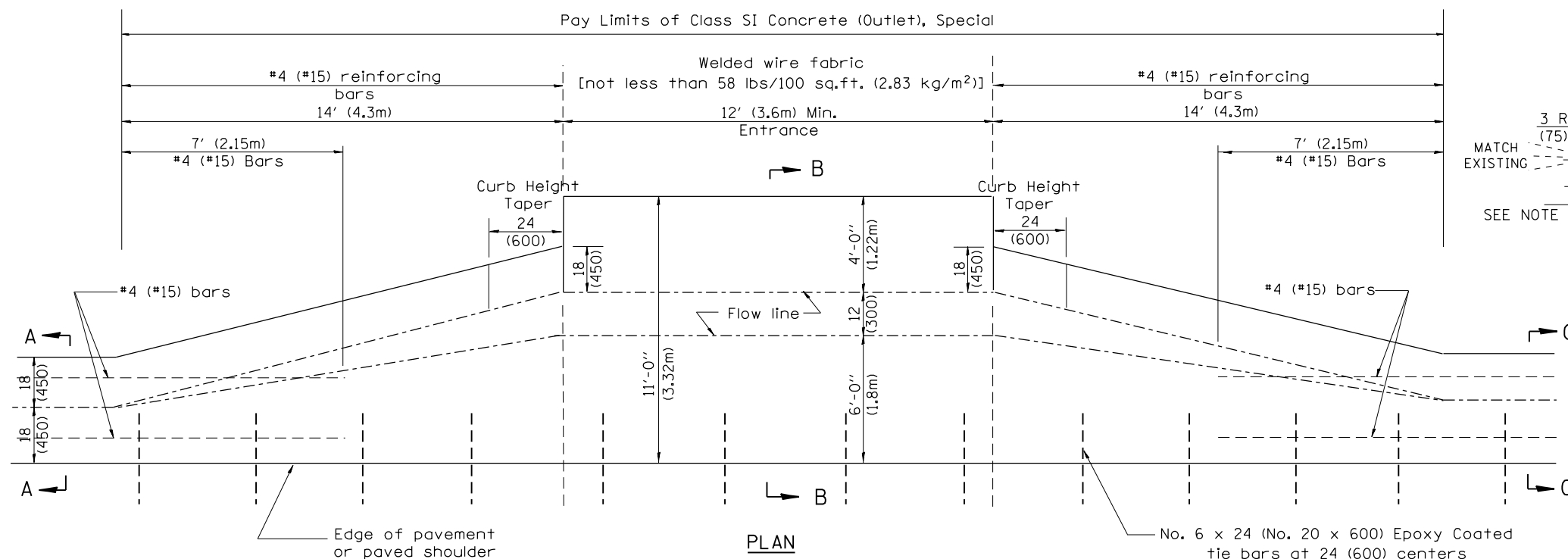
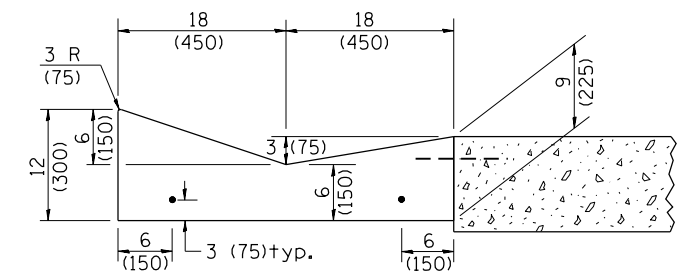
SHT. 2 OF 3
CADD STD. 606101-D4

All dimensions are in inches (millimeters) unless otherwise noted.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
657	116RS-4,117RS-3	HENDERSON	52	47
CONTRACT NO. 68F21				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



QUANTITY CALCULATION			
LOCATION	LENGTH	NON-COMMERCIAL 6 (150)	COMMERCIAL ENTRANCE 8 (200)
Entrance Flare	7 Ft (2.15 m) Urban 14 Ft (4.30 m) Rural	0.15 Cu Yd / Ft (0.37 Cu M / M)	0.18 Cu Yd / Ft (0.45 Cu M / M)
Section B-B	See Plans	0.23 Cu Yd / Ft (0.57 Cu M / M)	0.28 Cu Yd / Ft (0.70 Cu M / M)



- ### GENERAL NOTES

- 1.) Slope may be increased from 4% (min.) to 6% (max.) in order to match the existing.
- 2.) The cross-slope is to be constructed as given in the plans from back turnout to where driveway matches existing.
- 3.) For Non-Commercial Entrances the driveway thickness shall be 6 (150). For Commercial Entrances the driveway thickness shall be 8 (200).

All dimensions are in inches (millimeters) unless otherwise noted.

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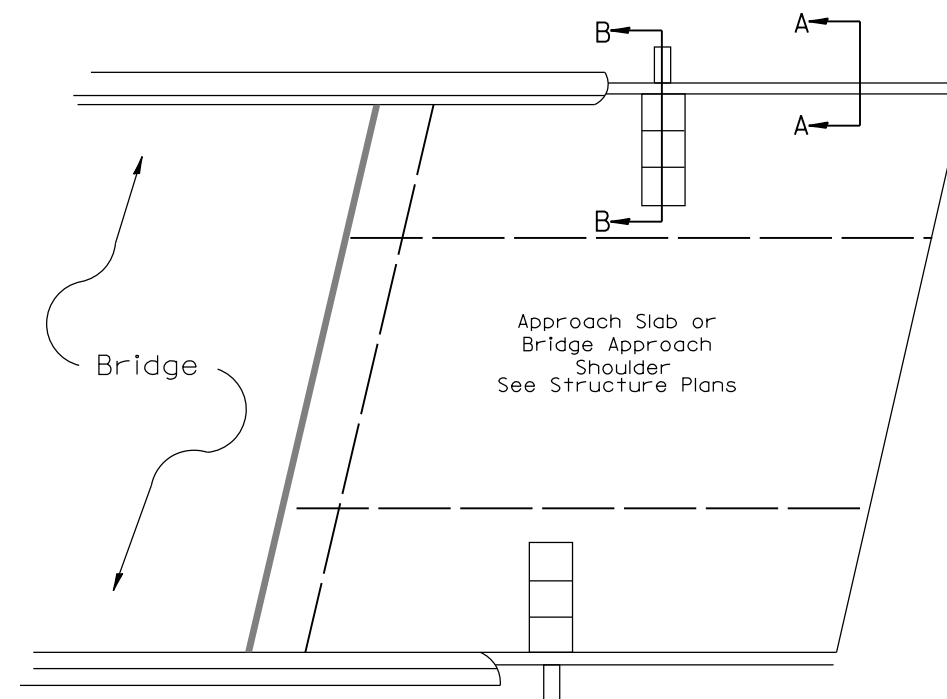
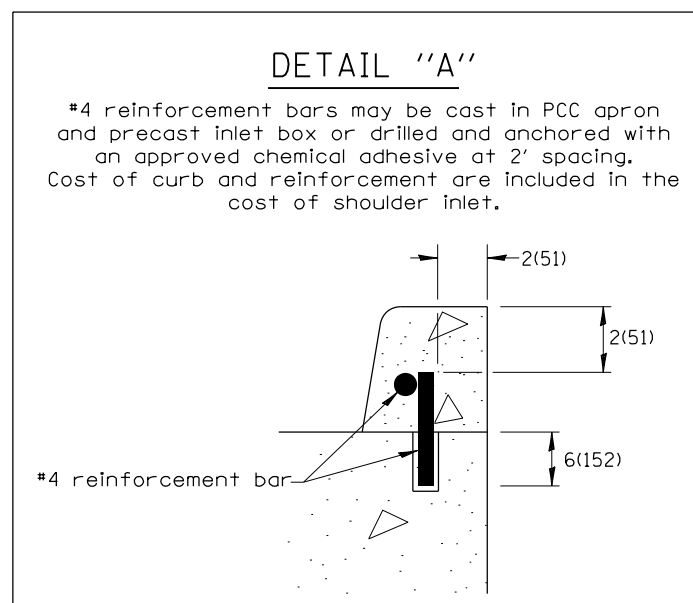


1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

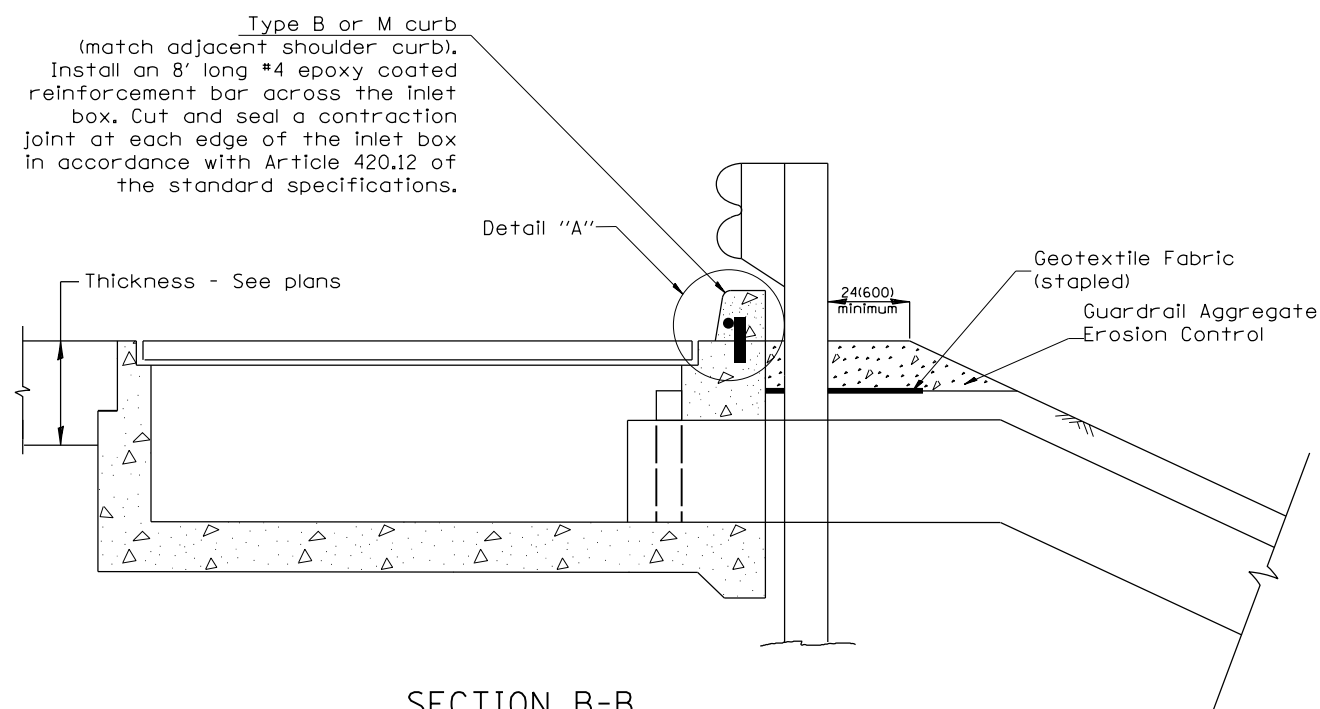


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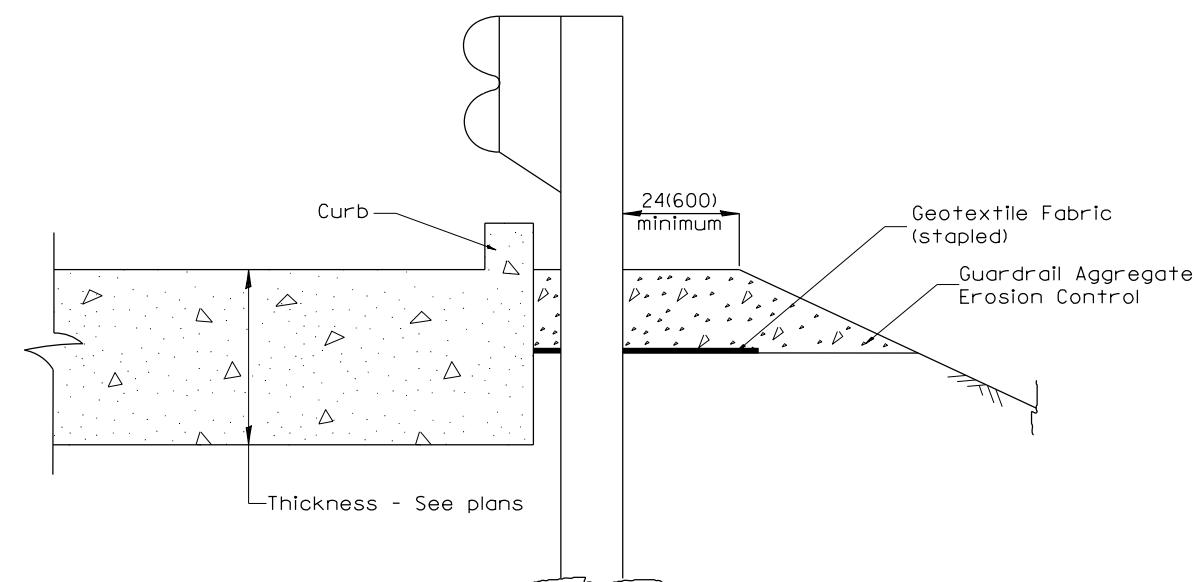
03-07-11	ADDED DETAIL SHOWING PLAN VIEW	R.D.	5-30-18	CHANGE B CURB TO CC&G	R.D.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL EROSION CONTROL TREATMENTS	NOT TO SCALE	SHT. 1 OF 2 CADD STD. 630101-D4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
08-10-12	REVISED CURB "B" AND AGGREGATE	R.D.	07-16-19	SPELLING CORRECTIONS	R.D.					657	116RS-4,117RS-3	HENDERSON	52	49
07-15-15	ADRESSED SHOULDER INLET CURB	R.D.								CONTRACT NO. 68F21				
01-26-17	REVISED	R.D.												



PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



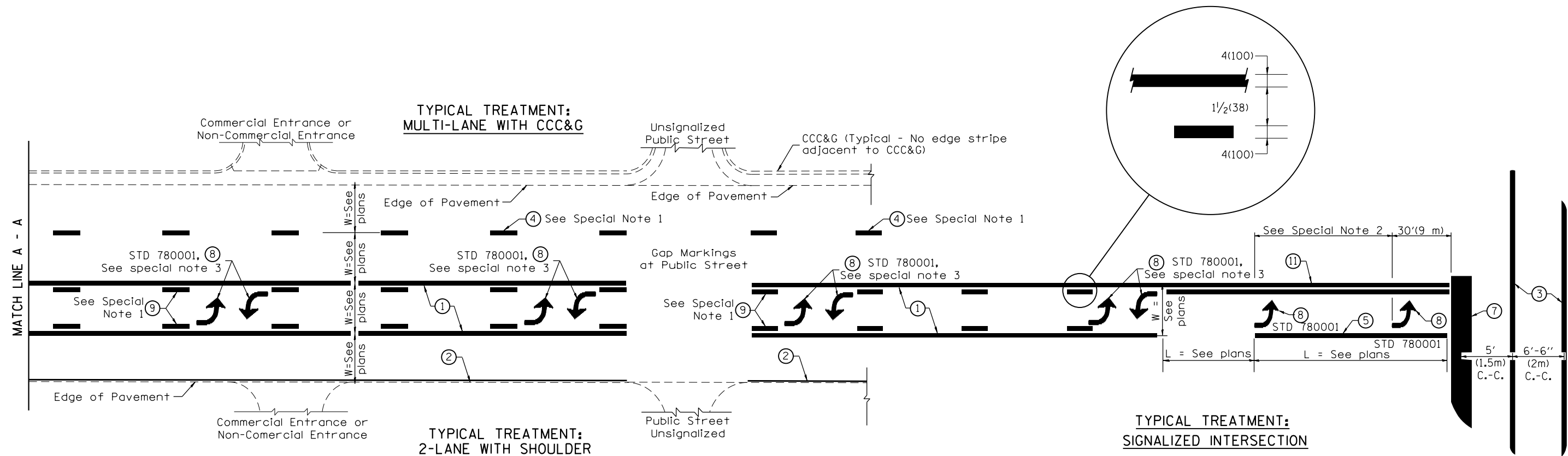
SECTION B-B
TYPICAL SECTION AT INLETS
TYPE E, F & G (HIGHWAY STANDARD 610001)



SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

All dimensions are in inches (millimeters) unless otherwise noted.

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FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) 11(280) C.-C. See Table A
- ⑪ 4(100) Double Solid (Yellow)

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
 - Through Arrow= 14.8 sq. ft.
 - Large Left or Right Arrow= 21.9 sq. ft.
 - 2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
 - Wrong Way Arrow= 29.5 sq. ft.
 - Railroad Crossing Symbol= 69.8 sq. ft.
 (For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKINGS	SHT. 1 OF 2 CADD STD. 780001-D4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.				657	116RS-4,117RS-3	HENDERSON	52	51
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.	07-16-19	SPELLING CORRECTIONS	R.D.				CONTRACT NO. 68F21				
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOT TO SCALE

