04-24-2015 LETTING ITEM 051

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	1
	ILLINOIS	CONTRACT NO. 68A78		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

F.A.P. ROUTE 669 (IL 116)
SECTION (17,16)RS-4;15RS-7
PROJECT *ACF-0669(035)*
PEORIA COUNTY
C-94-037-12

JOB NO. D-94-024-12

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 7,400 (2013)
%SU = 7.77
%MU = 3.72

STATION EQUATIONS

Ⓐ P.I. STA. 794+00.00 BK. =
P.O.T. STA. 794+16.00 AH.

Ⓑ P.O.T. STA. 874+54.39 BK. =
P.O.T. STA. 874+56.13 AH.

Ⓒ P.I. STA. 943+00.00 BK. =
P.O.T. STA. 942+95.50 AH.

Ⓓ P.T. STA. 988+27.55 BK. =
P.O.T. STA. 988+43.06 AH.

Ⓔ P.T. STA. 996+60.86 BK. =
P.O.T. STA. 996+42.16 AH.

Ⓕ P.I. STA. 1043+00.00 BK. =
P.O.T. STA. 1043+09.03 AH.

Ⓖ P.O.T STA. 1079+00.00 BK. =
P.O.T. STA. 1078+92.19 AH.

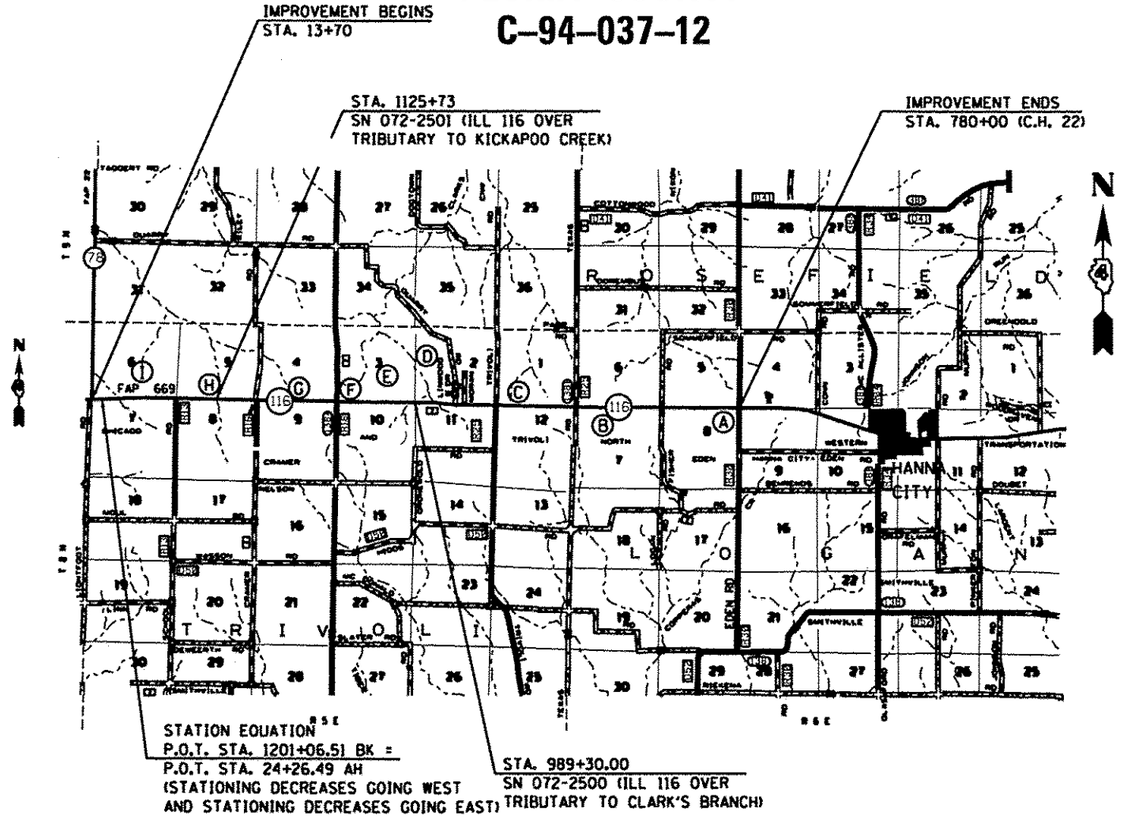
Ⓗ P.O.T STA. 1131+74.91 BK. =
P.O.T. STA. 1131+75.91 AH.

Ⓘ P.T. STA. 1183+15.36 BK. =
P.O.T. STA. 1183+21.02 AH.

0 100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

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



LOCATION OF SECTION INDICATED THUS: –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan 29 20 15
Kenneth A Barnett
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
Mar 20 20 15
John D. Baranzelli, P.E. for
ENGINEER OF DESIGN AND ENVIRONMENT
Mar 20 20 15
Omer Osman P.E. for
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER: RICHARD DOTSON (309-671-3455)
PROJECT MANAGER: KEVIN HORST/JOSH JOCHUMS (309-671-3472)

CONTRACT NO. 68A78

GROSS LENGTH = 43145.07 FT. = 8.17 MILES
NET LENGTH = 43145.07 FT. = 8.17 MILES

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

HIGWAY STANDARDS

442201-03
606301-04
642006
701001-02
701006-05
701011-04
701301-04
701306-03
701311-03
701326-04
701336-06
701502-06
701901-04
780001-05
781001-03

FILE NAME = 68A78 - Mari.dgn Default	USER NAME = joahumejg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & HIGHWAY STANDARDS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			669	(17,16)RS-4;15RS-7	PEORIA	30	2
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 68A78		
	PLOT DATE = 1/29/2015	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

COMMITMENTS
Commitments are not to be altered without the written approval of all parties to which the commitment was made. There are no commitments for this project.

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.

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.

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 will need to 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 Standard 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.

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.

ENGINEERS FIELD OFFICE
Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e):
All of the telephone lines provided shall have unpublished numbers.

NO PASSING ZONE VERIFICATION
The resident shall contact Operations to verify the location of no passing zones prior to placement of centerline striping.

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 incregsing 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+XOO)" where X represents the pavement station
This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	Surface Course (1½" & 2")	Polymer Leveling Binder (¾")	Centerline Repair & Centerline Patch (2½")	Incidental Surface	HMA Shoulders
AC/PG:	PG 64-22	SBS or SBR 76-22	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
Mixture Composition: (Gradation Mixture)	IL 9.5	IL 4.75	IL 9.5	IL 9.5	IL 9.5
Friction Aggregate	Mix D	NA	NA	Mix C	Mix C
Quality Management Program	PFP	QCQA	QCQA	QCQA	QCQA

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 aggregate size, unless otherwise approved by the engineer.
2. For design purposes, mixture weight for all mixes is determined to be 112.0 lb/(sy•in) unless otherwise noted.
3. Sublot sizes for PFP and QCP mixes will be 1000 tons unless otherwise agreed to by the Engineer and the paving contractor.

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 (100mm). The holes shall by 24 inches (600mm) in diameter or 24 inches (600mm) square and they shall be free of any obstruction, except earth, for a depth of 5 feet (1.5m) 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 and/or CONCRETE MEDIAN of the type specified, or CONCRETE MEDIAN SURFACE, 4 inches (100 mm).

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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	3
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			

1. THE MILLING OF THE PCC PORTABLE SCALE FROM STA. 1177+69 LT TO 1178+19 LT WILL BE PAID FOR AS HMA SURFACE REMOVAL, 3/4".

2. THE ENGINEER WILL CONTACT THE BRIDGE OFFICE TO DETERMINE HOW THE CONTRACTOR CAN CROSS OVER SN 072-2500 AND 072-2501 WITH EQUIPMENT. THE ENGINEER SHALL NOTIFY THE CONTRACTOR IN WRITING OF THE FINDINGS.

3. THE EXISTING HORIZONTAL ALIGNMENT CONTROL POINTS THAT REQUIRE PERMANENT SURVEY MARKERS HAVE EXISTING TABLETS IN THE PAVEMENT. THE CONTRACTOR SHALL CROSS TIE THE EXISTING, MARKED CONTROL POINTS PRIOR TO THE REMOVAL OF THE EXISTING TABLETS. THIS WORK SHALL BE INCLUDED IN THE COST OF PERMANENT SURVEY MARKERS, TYPE I.

4. THE SUBGRADE BENEATH THE HMA SHOULDERS, 5 3/4" SHALL BE COMPACTED TO THE ENGINEERS SATISFACTION.

FILE NAME = 68A78 - Mari.dgn Default	USER NAME = joahumayg	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT SPECIFIC NOTES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	4
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	100% STATE
				ROADWAY	SAFETY	MOWING
				0005	0021	0005
20200500	EARTH EXCAVATION (WIDENING)	CU YD	4547		4547	
21400100	GRADING AND SHAPING DITCHES	FOOT	300	300		
25000750	MOWING	ACRE	20			20
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	142	142		
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	110997	100017	10980	
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	4907	4907		
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	515	515		
40600990	TEMPORARY RAMP	SQ YD	244	244		
40603335	HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	10560	10560		
40800050	INCIDENTAL HOT - MIX ASPHALT SURFACING	TON	376	376		
44000100	PAVEMENT REMOVAL	SQ YD	33	33		
44000152	HOT - MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	144000	144000		
44000157	HOT - MIX ASPHALT SURFACE REMOVAL, 2 "	SQ YD	5339	5339		
44201851	CLASS D PATCHES, TYPE II, 17 INCH	SQ YD	37	37		

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FILE NAME = 68A78 - Meri.dgn	USER NAME = joshwmyg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			669	(17,16)RS-4;5RS-7	PEORIA	30	5
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 68A78		
	PLOT DATE = 1/29/2015	DATE -	REVISED -					ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	100% STATE
				ROADWAY	SAFETY	MOWING
				0005	0021	0005
44201855	CLASS D PATCHES, TYPE III, 17 INCH	SQ YD	18	18		
44201857	CLASS D PATCHES, TYPE IV, 17 INCH	SQ YD	46	46		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1078	1078		
48203020	HOT - MIX ASPHALT SHOULDERS, 5 3/4"	SQ YD	24400		24400	
48203100	HOT - MIX ASPHALT SHOULDERS	TON	7545	4471	3074	
60618740	CONCRETE MEDIAN, TYPE M-2.12	SQ FT	293	293		
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	76416		76416	
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	30	30		
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3	3		
67100100	MOBILIZATION	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1		1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1		
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1		
14						

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		DRAWN -	REVISED -
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	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4)15RS-7	PEORIA	30	6
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FED 20% STATE ROADWAY 0005	80% FED 20% STATE SAFETY 0021	100% STATE MOWING 0005
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5		5	
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1	1		
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	17264	17264		
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1439	1439		
*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	218	218		
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	118844	118844		
*	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1020	1020		
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	584	584		
*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	124	124		
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	687	687		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	687	687		
	X0556100	PARTIAL DEPTH PATCHING (SPECIAL)	SQ YD	5078	5078		
	X4400196	HOT - MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	1596	1596		
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	8226	8226		
	14						

* SPECIALTY ITEM

FILE NAME = 68A78 - Mari.dgn	USER NAME = joohumejg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P RTE.	SECTION	COUNTY / TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			669	(17,16)RS-4;15RS-7	PEORIA / 30 / 7
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 68A78
	PLOT DATE = 1/29/2015	DATE -	REVISED -					ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	100% STATE
				ROADWAY	SAFETY	MOWING
				0005	0021	0005
X4421000	PARTIAL DEPTH PATCHING	TON	711	711		
Z0033600	LONGITUDINAL JOINT REPAIR	FOOT	19474	19474		
Z0034105	MATERIAL TRANSFER DEVICE	TON	10560	10560		

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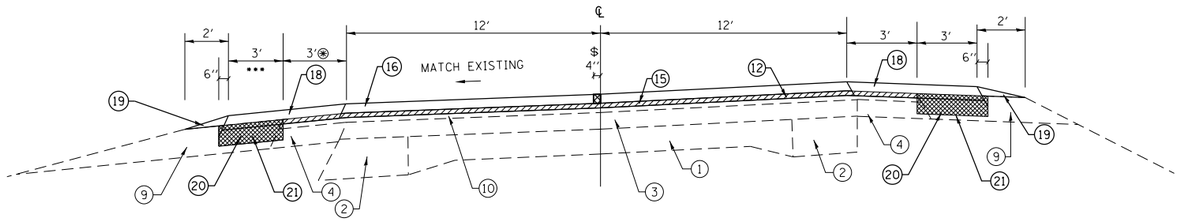
	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;1SRS-7	PEORIA	30	8
		CONTRACT NO. 68A78		
	ILLINOIS	FED. AID PROJECT		

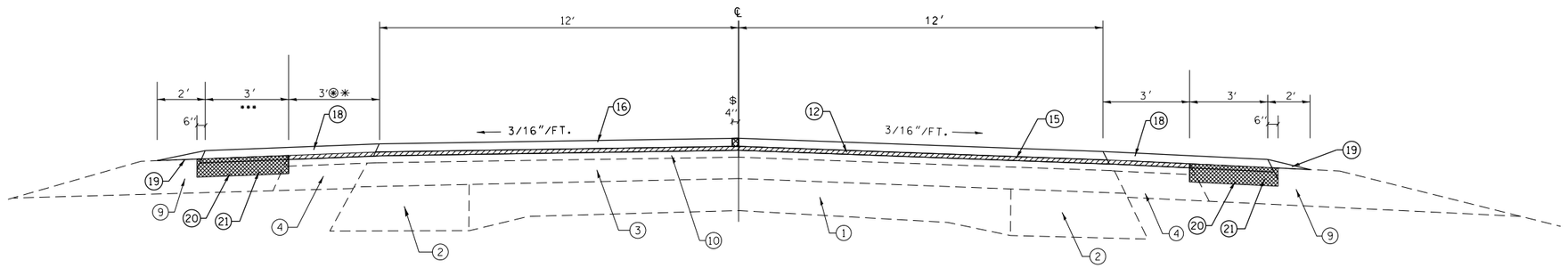


ILL. 116 - RURAL
TYPICAL SUPERELEVATED SECTION

STA. 970+83 TO STA. 976+97
STA. 990+30 TO STA. 997+92
STA. 1174+00 TO STA. 1184+71

LEGEND

(1) EXISTING P.C.C. PAVEMENT - 9″-6″-9″
(2) EXISTING BITUMINOUS BASE COURSE WIDENING - 9″
(3) EXISTING BITUMINOUS CONCRETE OVERLAY - 9″
(4) EXISTING BITUMINOUS SHOULDER - 8″
(5) EXISTING BITUMINOUS SHOULDER (VARIABLE DEPTH 1 3/4″ - 8″)
(6) EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING - 9″ (0′- 6′ WIDE)
(7) EXISTING BITUMINOUS BASE COURSE - 9″ (OVER 6′ WIDE)
(8) EXISTING CONCRETE GUTTER
(9) EXISTING AGGREGATE SHOULDER
(10) EXISTING HMA OVERLAY, 2 1/4″
(11) EXISTING BINDER BUILD-UP FOR SUPERTRANSITION (VARIABLE DEPTH)
(12) PROPOSED HMA SURFACE REMOVAL 3/4″
(13) PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH
(14) PROPOSED HMA SURFACE REMOVAL, 2″
(15) PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4″)
(16) PROPOSED HMA SURFACE COURSE, MIX "D", N50 (1 1/2″)
(17) PROPOSED HMA SURFACE COURSE, MIX "D", N50 (2″)
(18) PROPOSED HMA SHOULDER (2¼″)
(19) PROPOSED AGGREGATE SHOULDER, TY B WEDGE
(20) PROPOSED EARTH EXCAVATION (WIDENING)
(21) HOT-MIX ASPHALT SHOULDERS, 5¾″



ILL. 116 - RURAL
TYPICAL TANGENT SECTION

STA. 780+00 TO STA. 915+00 LT / 916+90 RT
STA. 955+00 LT / 953+81 RT TO STA. 970+83
STA. 976+97 TO STA. 980+00
STA. 990+00 TO STA. 990+30
STA. 997+92 TO STA. 1041+29.06
STA. 1055+57.96 LT TO STA. 1128+00 LT
STA. 1132+00 LT TO STA. 1174+00 LT
STA. 1055+57.96 RT TO STA. 1174+00 RT
STA. 1184+71 TO STA. 1201+06.51

OTHER NOTES

✱ WIDTH VARIES AT PORTABLE SCALE TURNOUT
STA. 1169+74.34 LT TO STA. 1186+20 LT

✱ 8 FT. HMA SHLDR W/AGG WEDGE
FROM STA. 955+00 TO 963+80 LT

✱✱✱ WIDTH OF PAVED SHOULDER WIDENING IS ZERO WHERE
THE EXISTING PAVED SHOULDER WIDTH IS 5 FT OR MORE

$ HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL
(SEE SPECIAL PROVISION FOR "CONSTRUCTION SEQUENCE FOR MILLING AND PAVING (3P)")

GENERAL NOTES

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8.0%. IN AREAS OF SUPERELEVATION THE SLOPE OF THE SHOULDER ON THE OUTSIDE OF THE CURVE SHALL BE REDUCED ACCORDINGLY.

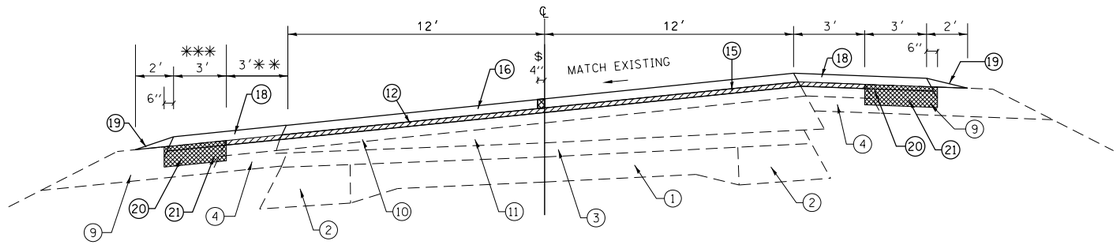
FILE NAME = 68A78 - Mar1.dgn	USER NAME = jochumsjg	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	9
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			

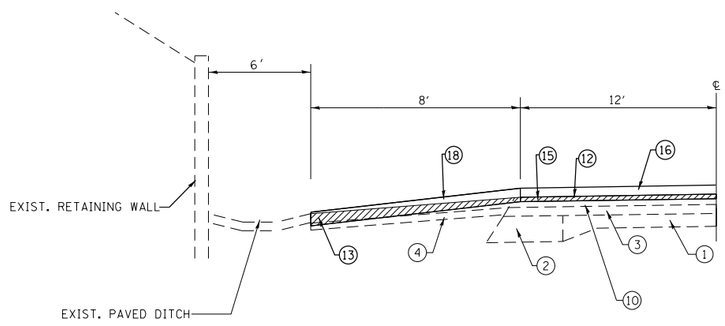


ILL. 116 – RURAL
TYPICAL SUPERELEVATED SECTION

STA. 980+00 TO STA. 990+00

LEGEND

1. EXISTING P.C.C. PAVEMENT - 9"-6"-9"
2. EXISTING BITUMINOUS BASE COURSE WIDENING - 9"
3. EXISTING BITUMINOUS CONCRETE OVERLAY - 9"
4. EXISTING BITUMINOUS SHOULDER - 8"
5. EXISTING BITUMINOUS SHOULDER (VARIABLE DEPTH 1 3/4" - 8")
6. EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING - 9" (0'- 6' WIDE)
7. EXISTING BITUMINOUS BASE COURSE - 9" (OVER 6' WIDE)
8. EXISTING CONCRETE GUTTER
9. EXISTING AGGREGATE SHOULDER
10. EXISTING HMA OVERLAY, 2 1/4"
11. EXISTING BINDER BUILD-UP FOR SUPERTRANSITION (VARIABLE DEPTH)
12. PROPOSED HMA SURFACE REMOVAL 3/4"
13. PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH
14. PROPOSED HMA SURFACE REMOVAL, 2"
15. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
16. PROPOSED HMA SURFACE COURSE, MIX "D", N50 (1 1/2")
17. PROPOSED HMA SURFACE COURSE, MIX "D", N50 (2")
18. PROPOSED HMA SHOULDER (2¼")
19. PROPOSED AGGREGATE SHOULDER, TY B WEDGE
20. PROPOSED EARTH EXCAVATION (WIDENING)
21. HOT-MIX ASPHALT SHOULDERS, 5¾"



ILL. 116 - SHOULDER DETAIL
LT. STA. 984+75 TO STA. 987+50

OTHER NOTES

** LT. STA. 984+75 TO STA. 987+50
SEE SHOULDER DETAIL (BELOW)

*** WIDTH OF PAVED SHOULDER WIDENING IS ZERO WHERE THE EXISTING PAVED SHOULDER WIDTH IS 5 FT OR MORE

$ HOT-MIX ASPHALT SURFACE REMOVAL-SPECIAL
(SEE SPECIAL PROVISION FOR "CONSTRUCTION SEQUENCE FOR MILLING AND PAVING (3P)")

GENERAL NOTES

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8.0%. IN AREAS OF SUPERELEVATION THE SLOPE OF THE SHOULDER ON THE OUTSIDE OF THE CURVE SHALL BE REDUCED ACCORDINGLY.

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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

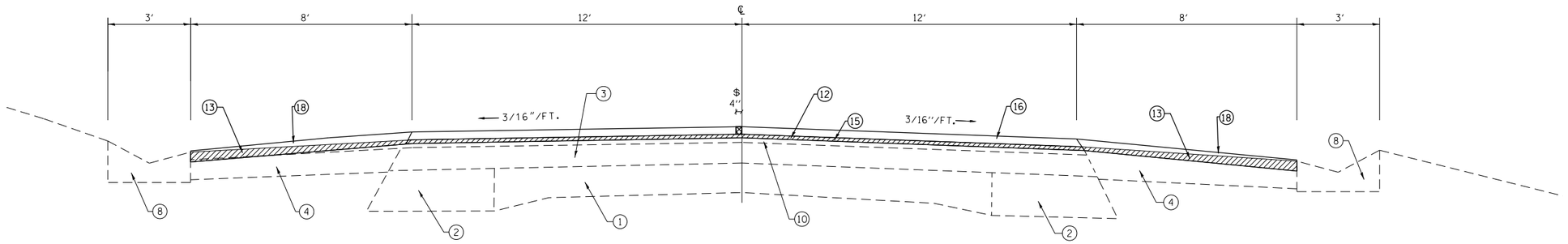
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	10

CONTRACT NO. 68A78

ILLINOIS FED. AID PROJECT

LEGEND

1. EXISTING P.C.C. PAVEMENT - 9''-6''-9''
2. EXISTING BITUMINOUS BASE COURSE WIDENING - 9''
3. EXISTING BITUMINOUS CONCRETE OVERLAY - 9''
4. EXISTING BITUMINOUS SHOULDER - 8''
5. EXISTING BITUMINOUS SHOULDER (VARIABLE DEPTH 1 3/4'' - 8'')
6. EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING - 9'' (0'- 6' WIDE)
7. EXISTING BITUMINOUS BASE COURSE - 9'' (OVER 6' WIDE)
8. EXISTING CONCRETE GUTTER
9. EXISTING AGGREGATE SHOULDER
10. EXISTING HMA OVERLAY, 2 1/4''
11. EXISTING BINDER BUILD-UP FOR SUPERTRANSITION (VARIABLE DEPTH)
12. PROPOSED HMA SURFACE REMOVAL 3/4''
13. PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH
14. PROPOSED HMA SURFACE REMOVAL, 2''
15. PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4'')
16. PROPOSED HMA SURFACE COURSE, MIX ''D'', N50 (1 1/2'')
17. PROPOSED HMA SURFACE COURSE, MIX ''D'', N50 (2'')
18. PROPOSED HMA SHOULDER (2 1/4'')
19. PROPOSED AGGREGATE SHOULDER, TY B WEDGE
20. PROPOSED EARTH EXCAVATION (WIDENING)
21. HOT-MIX ASPHALT SHOULDERS, 5 3/4''



ILL. 116 - TRIVOLI
TYPICAL TANGENT SECTION

STA. 915+00 LT TO 955+00 LT
STA. 916+90 RT TO 953+81 RT
STA. 1128+00 LT TO STA. 1132+00 LT

OTHER NOTES

$ HOT-MIX ASPHALT SURFACE REMOVAL-SPECIAL
(SEE SPECIAL PROVISION FOR ''CONSTRUCTION SEQUENCE FOR MILLING AND PAVING (3P)'')

GENERAL NOTES

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8.0%. IN AREAS OF SUPERELEVATION THE SLOPE OF THE SHOULDER ON THE OUTSIDE OF THE CURVE SHALL BE REDUCED ACCORDINGLY.

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	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	11
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			

LEGEND

(1) EXISTING P.C.C. PAVEMENT - 9''-6''-9''
(2) EXISTING BITUMINOUS BASE COURSE WIDENING - 9''
(3) EXISTING BITUMINOUS CONCRETE OVERLAY - 9''
(4) EXISTING BITUMINOUS SHOULDER - 8''
(5) EXISTING BITUMINOUS SHOULDER (VARIABLE DEPTH 1 3/4'' - 8'')
(6) EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING - 9'' (0'- 6' WIDE)
(7) EXISTING BITUMINOUS BASE COURSE - 9'' (OVER 6' WIDE)
(8) EXISTING CONCRETE GUTTER
(9) EXISTING AGGREGATE SHOULDER
(10) EXISTING HMA OVERLAY, 2 1/4''
(11) EXISTING BINDER BUILD-UP FOR SUPERTRANSITION (VARIABLE DEPTH)
(12) PROPOSED HMA SURFACE REMOVAL 3/4''
(13) PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH
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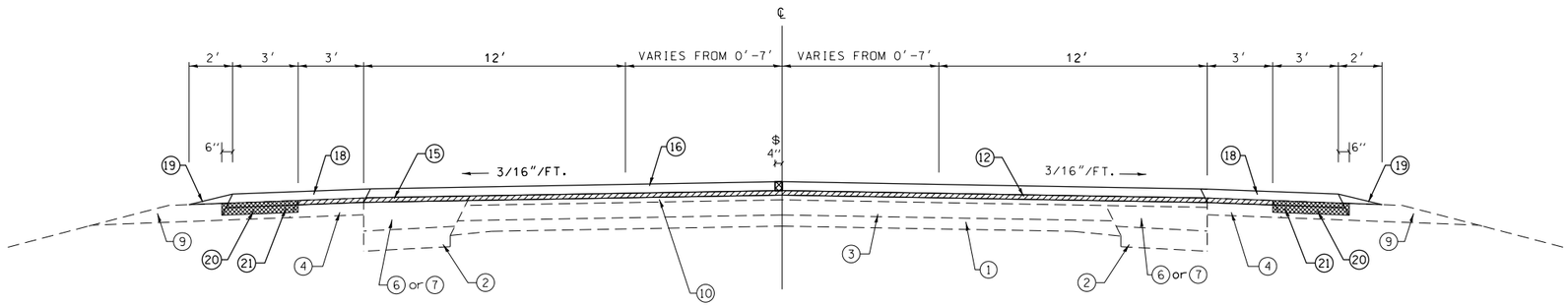
(17) PROPOSED HMA SURFACE COURSE, MIX ''D'', N50 (2'')
(18) PROPOSED HMA SHOULDER (2¼'')
(19) PROPOSED AGGREGATE SHOULDER, TY B WEDGE
(20) PROPOSED EARTH EXCAVATION (WIDENING)
(21) HOT-MIX ASPHALT SHOULDERS, 5¾''



ILL. 116 - TYPICAL SECTION

STA. 1041+29.06 TO STA. 1055+57.96
AT STONE SCHOOL ROAD

OTHER NOTES

$ HOT-MIX ASPHALT SURFACE REMOVAL-SPECIAL
(SEE SPECIAL PROVISION FOR ''CONSTRUCTION SEQUENCE FOR MILLING AND PAVING (3P)'')

GENERAL NOTES

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8.0%. IN AREAS OF SUPERELEVATION THE SLOPE OF THE SHOULDER ON THE OUTSIDE OF THE CURVE SHALL BE REDUCED ACCORDINGLY.

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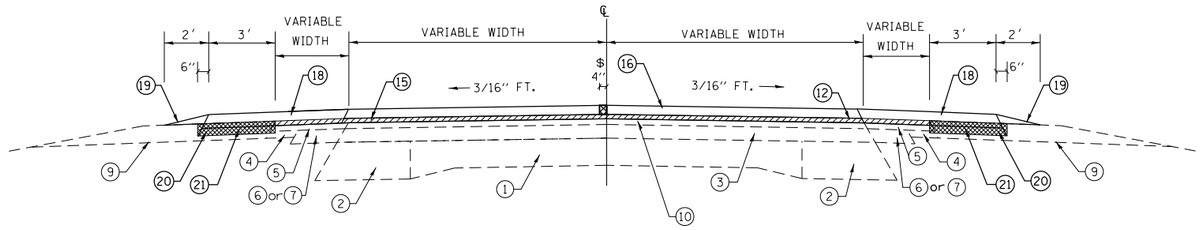
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

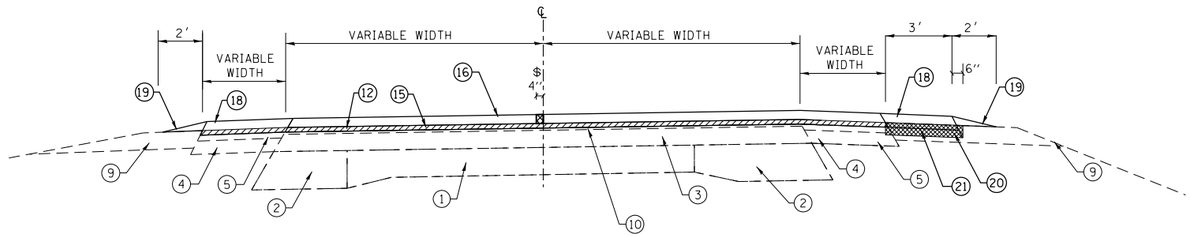
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	12
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			



ILL. 116 - FARMINGTON
TYPICAL TANGENT SECTION

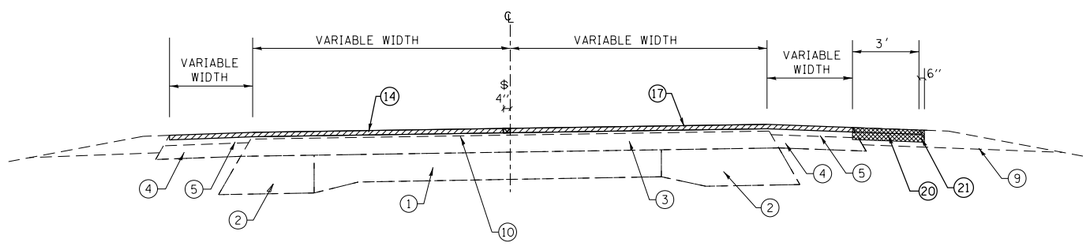
STA. 24+26.49 TO STA. 20+44

EARTH EXCAVATION (WIDENING) AND HMA SHOULDERS, 5 3/4″ STOPS AT STA. 22+00 LT



ILL. 116 - FARMINGTON
TYPICAL SUPERELEVATED SECTION

STA. 20+44 TO STA. 20+00



ILL. 116 - FARMINGTON
TYPICAL SUPERELEVATED SECTION

STA. 20+00 TO STA. 19+70

LEGEND

(1) EXISTING P.C.C. PAVEMENT - 9″-6″-9″
(2) EXISTING BITUMINOUS BASE COURSE WIDENING - 9″
(3) EXISTING BITUMINOUS CONCRETE OVERLAY - 9″
(4) EXISTING BITUMINOUS SHOULDER - 8″
(5) EXISTING BITUMINOUS SHOULDER (VARIABLE DEPTH 1 3/4″ - 8″)
(6) EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING - 9″ (0′- 6′ WIDE)
(7) EXISTING BITUMINOUS BASE COURSE - 9″ (OVER 6′ WIDE)
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(9) EXISTING AGGREGATE SHOULDER
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(11) EXISTING BINDER BUILD-UP FOR SUPERTRANSITION (VARIABLE DEPTH)
(12) PROPOSED HMA SURFACE REMOVAL 3/4″
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(19) PROPOSED AGGREGATE SHOULDER, TY B WEDGE
(20) PROPOSED EARTH EXCAVATION (WIDENING)
(21) HOT-MIX ASPHALT SHOULDERS, 5 3/4″

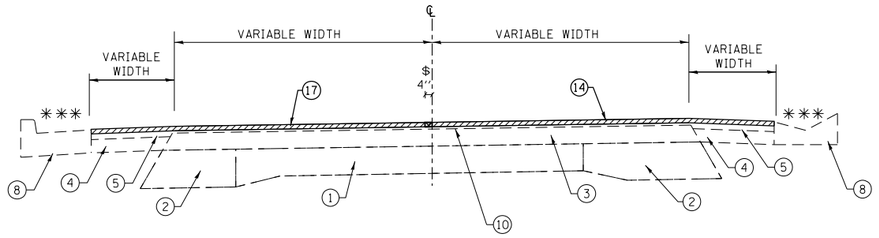
OTHER NOTES

$ HOT-MIX ASPHALT SURFACE REMOVAL-SPECIAL
(SEE SPECIAL PROVISION FOR "CONSTRUCTION SEQUENCE FOR MILLING AND PAVING (3P)")

GENERAL NOTES

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8.0%. IN AREAS OF SUPERELEVATION THE SLOPE OF THE SHOULDER ON THE OUTSIDE OF THE CURVE SHALL BE REDUCED ACCORDINGLY.

FILE NAME = 68A78 - Mari.dgn	USER NAME = jochumsjg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			669	(17,16)RS-4;15RS-7	PEORIA	30	13
Default	PLOT SCALE = 100.0000 ′ / in.	CHECKED -	REVISED -					CONTRACT NO. 68A78		
	PLOT DATE = 1/29/2015	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			



ILL. 116 - FARMINGTON
TYPICAL SUPERELEVATED SECTION

STA. 19+70 TO STA. 13+70

*** CONCRETE CURB AND GUTTER:
STA. 18+80 TO 16+00 RT
STA 15+25 TO 13+70 RT
STA 19+70 TO 16+00 LT

EARTH EXCAVATION (WIDENING) AND HMA SHOULDERS, 5 3/4" STOPS AT STA. 18+50 RT

LEGEND

(1) EXISTING P.C.C. PAVEMENT - 9"-6"-9"
(2) EXISTING BITUMINOUS BASE COURSE WIDENING - 9"
(3) EXISTING BITUMINOUS CONCRETE OVERLAY - 9"
(4) EXISTING BITUMINOUS SHOULDER - 8"
(5) EXISTING BITUMINOUS SHOULDER (VARIABLE DEPTH 1 3/4" - 8")
(6) EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING - 9" (0'- 6' WIDE)
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(9) EXISTING AGGREGATE SHOULDER
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(20) PROPOSED EARTH EXCAVATION (WIDENING)
(21) HOT-MIX ASPHALT SHOULDERS, 5 3/4"

OTHER NOTES

$ HOT-MIX ASPHALT SURFACE REMOVAL-SPECIAL
(SEE SPECIAL PROVISION FOR "CONSTRUCTION SEQUENCE FOR MILLING AND PAVING (3P)")

GENERAL NOTES

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8.0%. IN AREAS OF SUPERELEVATION THE SLOPE OF THE SHOULDER ON THE OUTSIDE OF THE CURVE SHALL BE REDUCED ACCORDINGLY.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	14
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			

TABULATION OF RESURFACING QUANTITIES

LOCATIONS					LENGTH	WIDTH	AREA	TEMP RAMP	POLY BIT MTRL (PR CT)	POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50	HOT-MIX ASPHALT SURF REM-BUTT JOINT	HOT-MIX ASPHALT SURF REM 3/4"	HOT-MIX ASPHALT SURF REM, SPECIAL	HOT-MIX ASPHALT SURF REM, 2"	MATERIAL TRANSFER DEVICE	HOT-MIX ASPHALT SURF CSE, MIX "D", N50, (1 1/2")	HOT-MIX ASPHALT SURF CSE, MIX "D", N50, (2")
					FT	FT	SQ YD	SQ YD	LB	TON	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON
MAINLINE																	
780+00.00			780+30.00		30.0	24	80.0	33.3	54.50	3.36	100.0		1.1		6.81	6.81	
780+30.00		TO	794+00.00	BK	1370.0	24	3653.3		2488.81	153.44		3653.3	50.7		311.14	311.14	
794+16.00	AH	TO	874+54.39	BK	8038.4	24	21435.7		14602.94	900.30		21435.7	297.4		1825.58	1825.58	
874+56.13	AH	TO	943+00.00	BK	6843.9	24	18250.3		12432.92	766.51		18250.3	253.2		1554.30	1554.30	
942+95.50	AH	TO	988+27.55	BK	4532.1	24	12085.5		8233.15	507.59		12085.5	167.7		1029.26	1029.26	
988+43.06	AH	TO	996+60.86	BK	817.8	24	2180.8		1485.66	91.59		2180.8	30.3		185.73	185.73	
996+42.16	AH	TO	1041+29.06		4486.9	24	11965.1		8151.13	502.53		11965.1	166.0		1019.01	1019.01	
1041+29.06		TO	1043+00.00	BK	170.9	VAR.	520.8		354.39	21.87		520.8	6.3		44.28	44.28	
1043+09.03	AH	TO	1055+57.96		1248.9	VAR.	4895.8		3325.45	205.62		4895.8	46.2		415.13	415.13	
1055+57.96		TO	1079+00.00	BK	2342.0	24	6245.4		4254.67	262.31		6245.4	86.7		531.90	531.90	
1078+92.19	AH	TO	1131+74.91	BK	5282.7	24	14087.3		9596.85	591.66		14087.3	195.5		1199.75	1199.75	
1131+75.91	AH	TO	1183+15.36	BK	5139.5	24	13705.2		9336.58	575.62		13705.2	190.2		1167.21	1167.21	
1183+21.02	AH	TO	1201+06.51	BK	1785.5	24	4761.3		3243.61	199.97		4761.3	66.1		405.50	405.50	
024+26.49	AH	TO	020+00.00		426.49	VAR.	2961.7		2006.27	124.39		2961.7	15.8		250.11	250.11	
020+00.00		TO	014+00.00		600.00	VAR.	5338.6		2412.34				22.2	5338.6	600.40		600.40
014+00.00		TO	013+70.00		30.00	37	123.3	30.8	56.00		123.3		1.1		13.94		13.94
SUBTOTAL								64.2	82035.3	4906.8	223.3	116748.2	1596.4	5338.6	10560.0	9945.7	614.3
SUBTOTAL FROM SIDEROAD AND ENTRANCE SCHEDULE								180.0	2017.00		292.00						
SUBTOTAL FROM SHOULDER SCHEDULE									26945.00			27252.00					
TOTAL								244	110997	4907	515	144000	1596	5339	10560	10560	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	15
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			

TABULATION OF SHOULDER QUANTITIES

LOCATIONS					LENGTH	WIDTH	AREA	POLY BIT MTRL (PR CT)	EARTH EXCAVATION (WIDENING)	HOT-MIX ASPHALT SURF REM VAR DEPTH	HOT-MIX ASPHALT SURF REM 3/4"	HMA SHLDRS, 5 3/4"	HMA SHOULDERS	SHOULDER RUMBLE STRIPS, 8"
					FT	FT	SQ YD	LB	CY	SY	SY	SY	TON	FT
780+00.00			780+30.00		30.0	12	40.0	18.00	3.7		20.0	20.0	5.0	60.0
780+30.00		TO	794+00.00	BK	1370.0	12	1826.7	822.00	170.2		913.3	913.3	230.2	2740.0
794+16.00	AH	TO	874+54.39	BK	8038.4	12	10717.9	4823.03	998.6		5358.9	5358.9	1350.4	16076.8
874+56.13	AH/LT	TO	915+00.00	LT	4043.9	6	2695.9	1213.16	251.2		1348.0	1348.0	339.7	4043.9
874+56.13	AH/RT	TO	916+90.00	RT	4233.9	6	2822.6	1270.16	263.0		1411.3	1411.3	355.6	4233.9
915+00.00	LT	TO	943+00.00	BK/LT	2800.0	8	2488.9	1120.00		2488.9			313.6	
942+95.50	AH/LT	TO	963+80.00	LT	2084.5	8	1852.9	833.80		1852.9			233.5	
916+90.00	RT	TO	943+00.00	BK/RT	2610.0	8	2320.0	1044.00		2320.0			292.3	
942+95.50	AH/RT	TO	953+81.00	RT	1085.5	8	964.9	434.20		964.9			121.6	
953+81.00	RT	TO	988+27.55	BK/RT	3446.6	6	2297.7	1033.97	214.1		1148.9	1148.9	289.5	3446.6
963+80.00	LT	TO	984+75.00	LT	2095.0	6	1396.7	628.50	130.1		698.3	698.3	176.0	2095.0
984+75.00	LT	TO	987+50.00	LT	275.0	8	244.4	110.00		244.4			30.8	275.0
987+50.00	LT	TO	996+60.86	BK/LT	910.9	6	607.2	273.26	56.6		303.6	303.6	76.5	910.9
988+43.06	AH/RT	TO	996+60.86	BK/RT	817.8	6	545.2	245.34	50.8		272.6	272.6	68.7	817.8
996+42.16	AH	TO	1043+00.00	BK	4657.8	12	6210.5	2794.70	578.6		3105.2	3105.2	782.5	9315.7
1043+09.03	AH/LT	TO	1079+00.00	BK/LT	3591.0	6	2394.0	1077.29	223.1		1197.0	1197.0	301.6	3591.0
1043+09.03	AH/RT	TO	1049+00.00	RT	591.0	6	394.0	177.29	36.7		197.0	197.0	49.6	591.0
1049+00.00	RT	TO	1058+00.00	RT	900.0	5	500.0	225.00			500.0		63.0	900.0
1058+00.00	RT	TO	1079+00.00	BK/RT	2100.0	6	1400.0	630.00	130.4		700.0	700.0	176.4	2100.0
1078+92.19	AH/RT	TO	1131+74.91	BK/RT	5282.7	6	3521.8	1584.82	328.1		1760.9	1760.9	443.7	5282.7
1078+92.19	AH/LT	TO	1128+00.00	LT	4907.8	6	3271.9	1472.34	304.8		1635.9	1635.9	412.3	4907.8
1128+00.00	LT	TO	1131+74.91	BK/LT	374.9	8	333.3	149.96		333.3			42.0	374.9
1131+75.91	AH/LT	TO	1132+00.00	LT	24.1	8	21.4	9.64		21.4			2.7	24.1
1131+75.91	AH/RT	TO	1183+15.36	BK/RT	5139.5	6	3426.3	1541.84	319.2		1713.2	1713.2	431.7	5139.5
1132+00.00	LT	TO	1169+74.00	LT	3774.0	6	2516.0	1132.20	234.4		1258.0	1258.0	317.0	3774.0
1169+74.00	LT	TO	1183+15.36	BK/LT	1341.4	VAR	2352.0	1058.40			2352.0		296.4	1341.4
1183+21.02	AH/LT	TO	1186+20.00	LT	299.0	VAR								299.0
1183+21.02	AH/RT	TO	1201+06.51	RT	1785.5	6	1190.3	535.65	110.9		595.2	595.2	150.0	1785.5
1186+20.00	LT	TO	1201+06.51	LT	1486.5	6	991.0	445.95	92.3		495.5	495.5	124.9	1486.5
024+26.49	LT	TO	022+00.00	LT	226.5	6	151.0	67.95	14.1		75.5	75.5	19.0	226.5
024+26.49	RT	TO	018+50.00	RT	576.5	6	384.3	172.95	35.8		192.2	192.2	48.4	576.5
SUBTOTAL								26945	4547	8226	27252	24400	7545	76416
TOTAL								**SEE NOTE 1**	**4547**	**8226**	**SEE NOTE 1**	**24400**	**7545**	**76416**

NOTE 1: SEE TABULATION OF RESURFACING QUANTITIES FOR TOTAL.

MODIFIED URETHANE PAVEMENT MARKING

LOCATION				SKIP-DASH YELLOW - 4"	SOLID SINGLE YELLOW - 4"	SOLID DOUBLE YELLOW - 4"	SOLID SINGLE WHITE - 4"	SOLID SINGLE WHITE - 8"	SOLID SINGLE YELLOW - 12"	SOLID SINGLE WHITE - 12"	SOLID SINGLE WHITE - 24"	PERMANENT PAVEMENT MARKING-LETTERS AND SYMBOLS
STATION	TO	STATION	DESCRIPTION	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SF
780+00.00	TO	1041+29.06	BEGINNING TO STONE SCHOOL RD. INTERSECTION	6004	4978	3476	51993	0	0	0	0	0
1041+29.06	TO	1055+57.96	STONE SCHOOL RD. INTERSECTION	0	0	4682	2848	200	262	0	0	62
1055+57.96	TO	1201+06.51	STONE SCHOOL RD. INTERSECTION TO IL116/1L 78 INTERSECTION	3328	4909	2268	29097	0	0	0	0	0
024+26.49	TO	013+70.00	ILL 116/IL 78 INTERSECTION	0	0	3148	2113	820	166	156	124	156
SUBTOTAL				9332	9887	13574	86051	1020	428	156	124	218
TOTAL				**118844**				**1020**	**584**		**124**	**218**

ENGINEER SHALL VERIFY PAVEMENT MARKINGS BEFORE MILLING.

MOBILIZATION	
LOCATION	L SUM
JOBSITE	1
TOTAL	**1**

TRAFFIC CONTROL AND PROTECTION, STD. 701306	
LOCATION	L SUM
JOBSITE	1
TOTAL	**1**

TRAFFIC CONTROL AND PROTECTION, STD. 701336	
LOCATION	L SUM
JOBSITE	1
TOTAL	**1**

TRAFFIC CONTROL AND PROTECTION, STD. 701502	
LOCATION	L SUM
JOBSITE	1
TOTAL	**1**

TRAFFIC CONTROL AND PROTECTION, STD. 701326	
LOCATION	L SUM
JOBSITE	1
TOTAL	**1**

MOWING	
LOCATION	ACRE
JOBSITE	20
TOTAL	**20**

CHANGEABLE MESSAGE SIGN	
LOCATION	CAL MO
JOBSITE	1
TOTAL	**1**

ENGINEERS FIELD OFFICE, TYPE B	
LOCATION	CAL MO
JOBSITE	3
TOTAL	**3**

SHORT-TERM PAVEMENT MARKING	
LOCATION	FOOT
MILLED SURFACE	4316
PRIMED SURFACE	4316
LEVELING BINDER	4316
SURFACE COURSE	4316
TOTAL	**17264**

WORK ZONE PAVEMENT MARKING REMOVAL	
LOCATION	SQ FT
SURFACE COURSE	1439
TOTAL	**1439**

GRADING AND SHAPING DITCHES	
LOCATION	FT
992+00 TO 995+00 RT	300
TOTAL	**300**

TAFFIC CONTROL SURVEILLANCE	
LOCATION	CAL DA
JOBSITE	5
TOTAL	**5**

FILE NAME = 68A78 - Mari.dgn	USER NAME = jochumsjg	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	16
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			

SIDEROAD AND ENTRANCE QUANTITIES

LOCATION (STATION)	NAME	LT/RT	TYPE OF ENTRANCE	WIDTH	LENGTH (MEASURED PERP. FROM E.O.P.)	PAVED AREA	TEMP RAMP	AGGREGATE SURFACE COURSE, TYPE B	POLY BIT MTRL (PRIME COAT)	INCIDENTAL HMA SURFACING (1.5")	HOT-MIX ASPHALT SURF REM-BUTT JOINT
				FT	FT	SY	SQ YD	TON	LB	TON	SY
SIDEROADS											
783.10+85	EDEN ROAD-SOUTH	LT		21	55.0	344.0	11.7		154.8	28.9	11.7
783+10.85	EDEN ROAD-NORTH	RT		21	65.0	438.0	11.7		197.1	36.8	11.7
835+17.56	FISHER ROAD-SOUTH	LT		20	50.0	253.0	11.1		113.9	21.3	11.1
835+17.56	FISHER ROAD-NORTH	RT		20	50.0	253.0	11.1		113.9	21.3	11.1
890+54.97	TEXAS ROAD-SOUTH	LT		22	50.0	253.0	12.2		113.9	21.3	12.2
890+54.97	TEXAS ROAD-NORTH	RT		22	50.0	253.0	12.2		113.9	21.3	12.2
942+75.87	TRIVOLI ROAD-SOUTH	LT		22	50.0	252.0	12.2		113.4	21.2	12.2
942+79.73	TRIVOLI ROAD-NORTH	RT		22	50.0	256.0	12.2		115.2	21.5	12.2
965+14.39	MORAN ROAD	RT		20	50.0	253.0	11.1		113.9	21.3	11.1
969+51.62	QUARRY ROAD	RT		20	50.0	255.0	11.1		114.8	21.4	11.1
1048+48.02	STONE SCHOOL ROAD-SOUTH	LT		22	50.0	254.0	12.2		114.3	21.3	12.2
1048+48.02	STONE SCHOOL ROAD-NORTH	RT		22	50.0	254.0	12.2		114.3	21.3	12.2
1100+54.78	CRAMER ROAD-SOUTH	LT		22	60.0	332.0	12.2		149.4	27.9	12.2
1100+54.78	CRAMER ROAD-NORTH	RT		22	50.0	270.0	12.2		121.5	22.7	12.2
1153+07.75	DOWNS SCHOOL ROAD	LT		26	75.0	425.0	14.4		191.3	35.7	14.4
	IL 78	LT		24							13.3
	LIGHTFOOT RD	RT		24							13.3
ENTRANCES											
833+72.00		LT	PE/MBT	14	8.0	12.4			5.6	1.0	7.8
841+26.00		RT	PE/MBT	12	8.0	10.7			4.8	0.9	6.7
908+18.00		RT	PE/MBT	18	8.0	16.0			7.2	1.3	10.0
953+43.00		LT	PE	14	8.0	12.4			5.6	1.0	7.8
960+09.00		LT	PE	12	8.0	10.7			4.8	0.9	6.7
960+20.00		RT	PE	12	8.0	10.7			4.8	0.9	6.7
961+02.00		RT	PE	12	8.0	10.7			4.8	0.9	6.7
962+09.00		LT	PE	12	8.0	10.7			4.8	0.9	6.7
1017+87.00		RT	PE/MBT	12	8.0	10.7			4.8	0.9	6.7
1097+59.00		RT	PE	15	8.0	13.3			6.0	1.1	8.3
1147+39.00		RT	PE	21	8.0	18.7			8.4	1.6	11.7
29 ENTRANCES			FE					37.4			
15 ENTRANCES			CE					33.9			
73 ENTRANCES			PE					70.7			
SUBTOTAL							180	142	2017	376	292
TOTAL							**SEE NOTE 1**	**142**	**SEE NOTE 1**	**376**	**SEE NOTE 1**

NOTE 1: SEE TABULATION OF RESURFACING QUANTITIES FOR TOTAL.

PAVEMENT REMOVAL	
LOCATION	SY
STA. 16+18.5 TO 16+44.8 LT	32.55
TOTAL	**33**

CONCRETE MEDIAN, TYPE M-2.12	
LOCATION	SF
STA. 16+18.5 TO 16+44.8 LT	293
TOTAL	**293**

PERMANENT SURVEY MARKERS, TYPE 1		
LOCATION	DESC.	EA
794+00	P.I.	1
815+00	P.I.	1
842+00	P.I.	1
881+92.68	P.I.	1
897+00	P.I.	1
928+11.74	P.C.	1
933+88.24	P.T.	1
943+00	P.I.	1
972+33.09	P.C.	1
973+90.07	P.I.	1
975+46.73	P.T.	1
983+12.86	P.C.	1
988+27.55	P.T.	1
991+79.65	P.C.	1
994+20.73	P.I.	1
996+60.86	P.T.	1
1009+15.76	P.C.	1
1012+00	P.I.	1
1014+84.21	P.T.	1
1026+00	P.I.	1
1035+00	P.I.	1
1052+16.91	P.I.	1
1103+88.72	P.I.	1
1115+00	P.I.	1
1167+00	P.I.	1
1175+50.70	P.C.	1
1179+33.35	P.I.	1
1183+15.36	P.T.	1
19+10.91	P.T.	1
15+93.02	P.I.	1
TOTAL		**30**

RAISED REFLECTIVE PAVEMENT MARKER

LOCATION				TWO-WAY AMBER	ONE-WAY AMBER	ONE-WAY CRYSTAL
STATION	TO	STATION	DESCRIPTION			
780+00.00	TO	1041+29.06	BEGINNING TO STONE SCHOOL RD. INTERSECTION	330	0	0
1041+29.06	TO	1055+57.96	STONE SCHOOL RD. INTERSECTION	12	60	8
1055+57.96	TO	1201+06.51	STONE SCHOOL RD. INTERSECTION TO IL116/1L 78 INTERSECTION	191	0	0
024+26.49	TO	013+70.00	ILL 116/IL 78 INTERSECTION	29	30	27
SUBTOTAL				562	90	35
TOTAL				**687**		

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

LOCATION				EACH
STATION	TO	STATION	DESCRIPTION	
780+00.00	TO	1041+29.06	BEGINNING TO STONE SCHOOL RD. INTERSECTION	330
1041+29.06	TO	1055+57.96	STONE SCHOOL RD. INTERSECTION	80
1055+57.96	TO	1201+06.51	STONE SCHOOL RD. INTERSECTION TO IL116/1L 78 INTERSECTION	191
024+26.49	TO	013+70.00	ILL 116/IL 78 INTERSECTION	86
TOTAL				**687**

AGGREGATE WEDGE SHOULDER, TYPE B

LOCATIONS					LENGTH	AGREGATE SHOULDER, TYPE B
					FT	TON
780+00.00		TO	794+00.00	BK	1400.0	39.20
794+16.00	AH	TO	874+54.39	BK	8038.4	225.07
874+56.13	AH	TO	915+00.00	BK	4043.9	113.23
955+00.00	AH	TO	988+27.55	BK	3327.55	93.17
988+43.06	AH	TO	996+60.86	BK	817.8	22.90
996+42.16	AH	TO	1043+00.00	BK	4657.8	130.42
1043+09.03	AH	TO	1079+00.00	BK	3591.0	100.55
1078+92.19	AH	TO	1131+74.91	BK	5282.7	147.92
1131+75.91	AH	TO	1183+15.36	BK	5139.5	143.90
1183+21.02	AH	TO	1201+06.51	BK	1785.5	49.99
024+26.49	AH	TO	020+00.00		426.5	11.94
TOTAL						**1078**

FILE NAME = 68A78 - Mar1.dgn	USER NAME = jochumsjg	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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Default	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

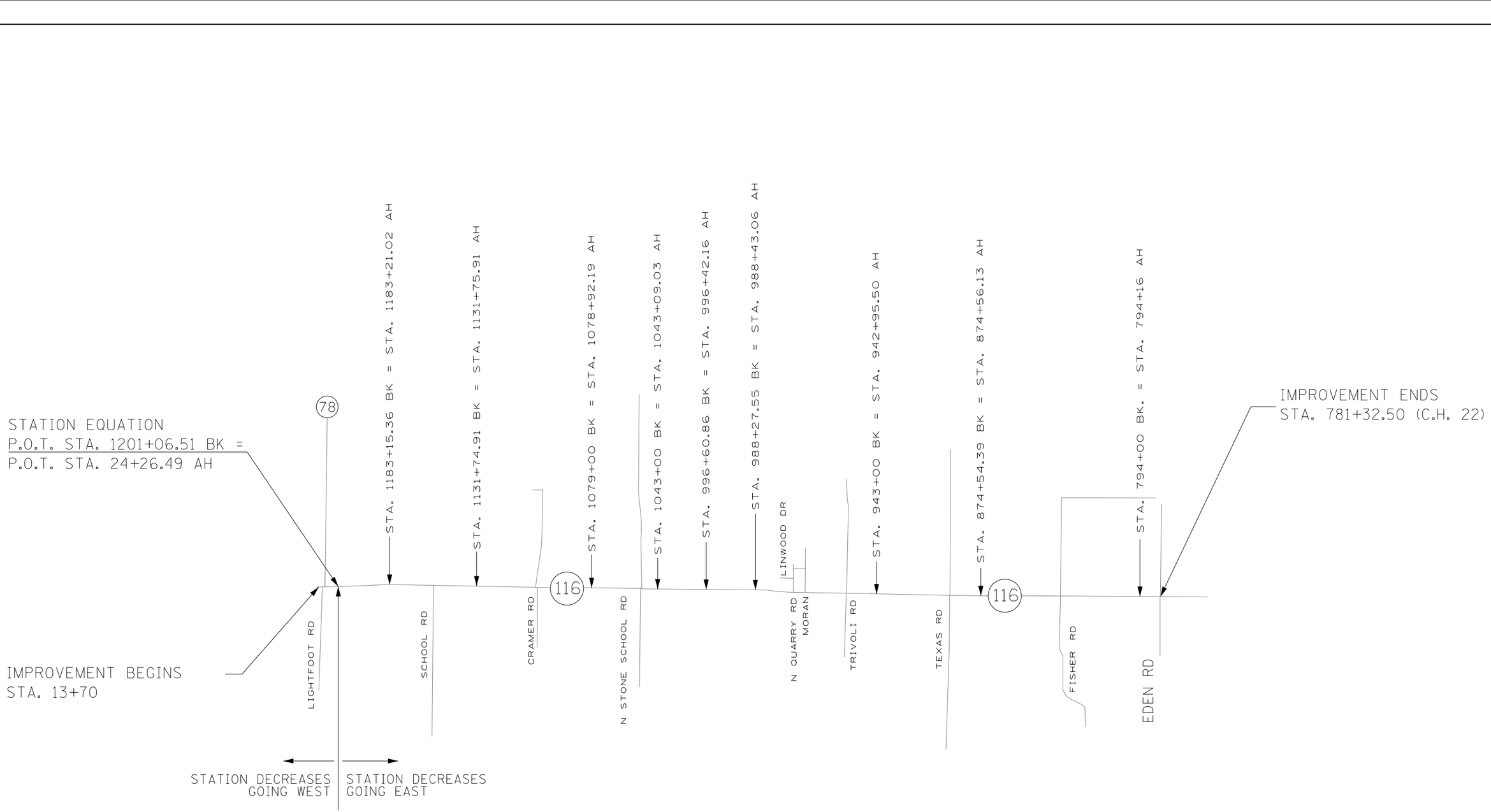
SCHEDULE OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	17
		CONTRACT NO. 68A78		
	ILLINOIS	FED. AID PROJECT		

	FULL DEPTH PATCHES							PARTIAL DEPTH PATCHING						LONGITUDINAL JOINT REPAIR (2 1/2")				
	WIDTH (FT)	LENGTH (FT)	EB/WB	#	CLASS D PATCHES, TYPE II, 17 IN. (SY)	CLASS D PATCHES, TYPE III, 17 IN. (SY)	CLASS D PATCHES, TYPE IV, 17 IN. (SY)	WIDTH (FT)	LENGTH (FT)	EB/WB	#	PARTIAL DEPTH PATCHING (SPECIAL) (SY)	PARTIAL DEPTH PATCHING (TON)	WIDTH (FT)	LENGTH (FT)	EB/WB	#	LONGITUDINAL JOINT REPAIR (FT)
IL 78 to Downs School Rd.	6	12	EB	2	16.00			4	100	EB	1	44.44	6.22	2	100	WB	3	300.00
	6	12	WB	2	16.00			4	50	WB	1	22.22	3.11	2	200	WB	1	200.00
	9	40	EB	1			40.00							2	50	WB	1	50.00
														2	400	WB	2	800.00
Downs School to Cramer Rd.								4	50	EB	1	22.22	3.11	2	400	EB	1	400.00
								4	40	EB	1	17.78	2.49	2	300	WB	1	300.00
														2	150	WB	1	150.00
Cramer Rd. to Stone School Rd.								4	50	EB	2	44.44	6.22	2	200	WB	1	200.00
								4	150	EB	1	66.67	9.33	2	50	WB	1	50.00
								4	150	WB	1	66.67	9.33	2	200	WB	1	200.00
								12	20	WB	1	26.67	3.73	2	550	WB	1	550.00
														2	450	WB	1	450.00
Stone School Rd. to Quarry Rd.								4	50	EB	1	22.22	3.11	2	500	EB	1	500.00
								4	300	EB	1	133.33	18.67	2	100	EB	1	100.00
								6	100	EB	1	66.67	9.33	2	400	EB	1	400.00
								6	120	EB	1	80.00	11.20	2	200	WB	1	200.00
								6	300	EB	1	200.00	28.00	2	250	WB	1	250.00
								6	150	EB	1	100.00	14.00	2	500	WB	2	1000.00
								4	250	EB	1	111.11	15.56					
								4	450	WB	1	200.00	28.00					
								4	50	WB	1	22.22	3.11					
Quarry Rd. to the Eastern Limits of Trivoli								4	200	EB	1	88.89	12.44	2	2642	EB	1	2642.00
								4	300	WB	1	133.33	18.67	2	2642	WB	1	2642.00
Eastern Limits of Trivoli to Fischer Rd.								6	100	EB	1	66.67	9.33	2	250	EB	1	250.00
								4	200	WB	2	177.78	24.89	2	1000	EB	1	1000.00
								4	550	WB	1	244.44	34.22	2	600	EB	1	600.00
								12	12	WB	1	16.00	2.24	2	450	WB	1	450.00
								4	100	EB	1	44.44	6.22	2	750	WB	1	750.00
								4	400	EB	1	177.78	24.89	2	200	WB	1	200.00
								13	150	EB	2	433.33	60.67	2	350	WB	1	350.00
								4	200	EB	1	88.89	12.44	2	700	WB	1	700.00
								6	250	EB	1	166.67	23.33					
								6	400	EB	1	266.67	37.33					
Fischer Rd. to Eden Rd.	12	12	EB	1		16.00		4	40	EB	1	17.78	2.49	2	450	WB	1	450.00
								6	40	EB	1	26.67	3.73	2	400	WB	2	800.00
								6	50	EB	1	33.33	4.67					
								4	400	EB	1	177.78	24.89					
								6	150	EB	2	200.00	28.00					
								4	80	WB	2	71.11	9.96					
								4	550	WB	1	244.44	34.22					
								4	200	WB	1	88.89	12.44					
								4	150	WB	2	133.33	18.67					
								4	400	WB	1	177.78	24.89					
								12	20	WB	1	26.67	3.73					
								12	50	WB	1	66.67	9.33					
SUBTOTAL					32.0	16.0	40.0					4416.0	618.2					16934.0
WINTER BREAK-UP (15%)					4.8	2.4	6.0					662.4	92.7					2540.1
TOTAL					**37**	**18**	**46**					**5078**	**711**					**19474**

FILE NAME = 68A78 - Mar1.dgn	USER NAME = jochumsjg	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SCHEDULE OF QUANTITIES**	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			669	(17,16)RS-4;15RS-7	PEORIA	30	18
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 68A78		
	PLOT DATE = 1/29/2015	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		



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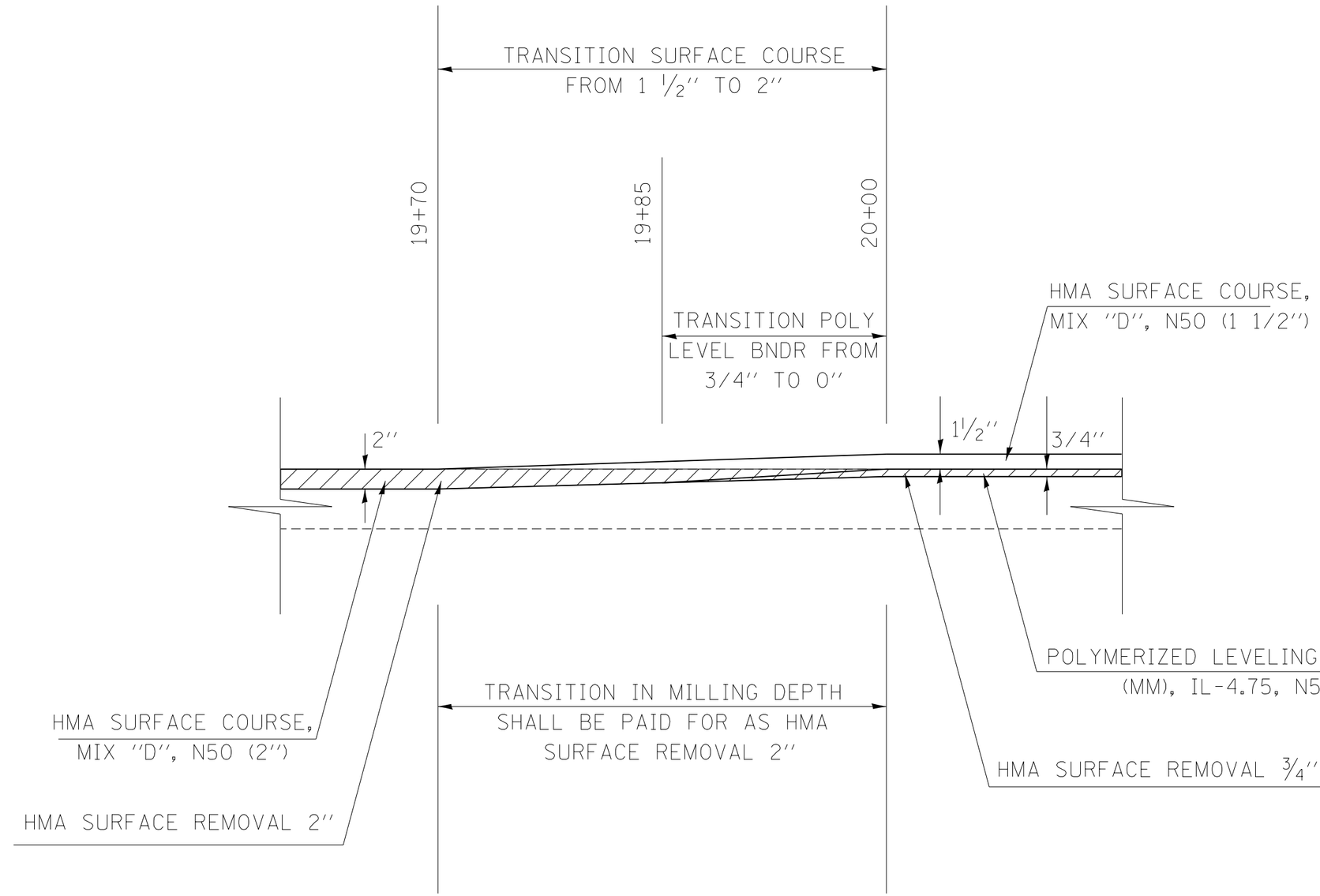
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LINE DIAGRAM

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	19
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			



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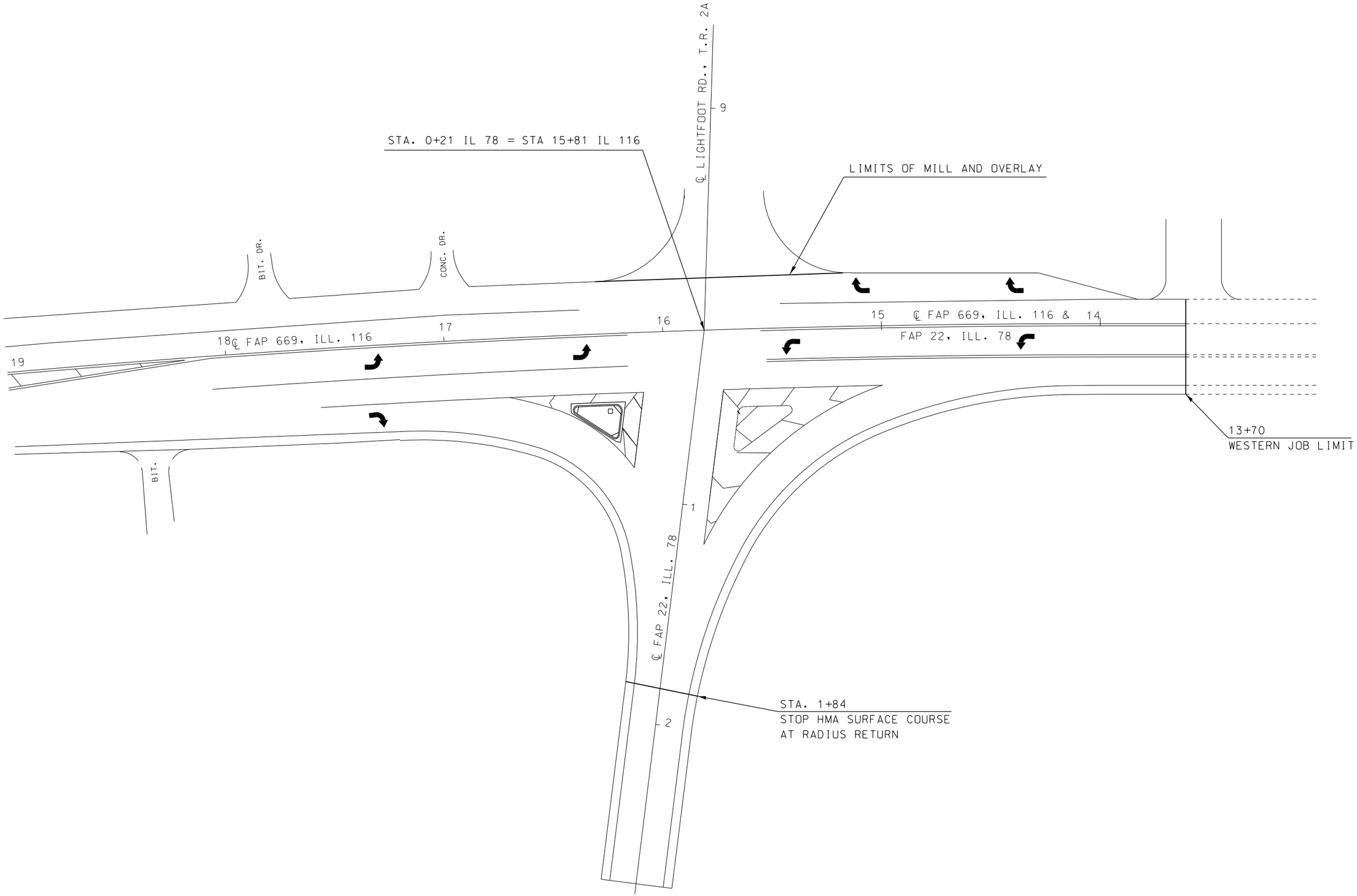
Default	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVING TRANSITION DETAIL

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	20
		CONTRACT NO. 68A78		
	ILLINOIS	FED. AID PROJECT		



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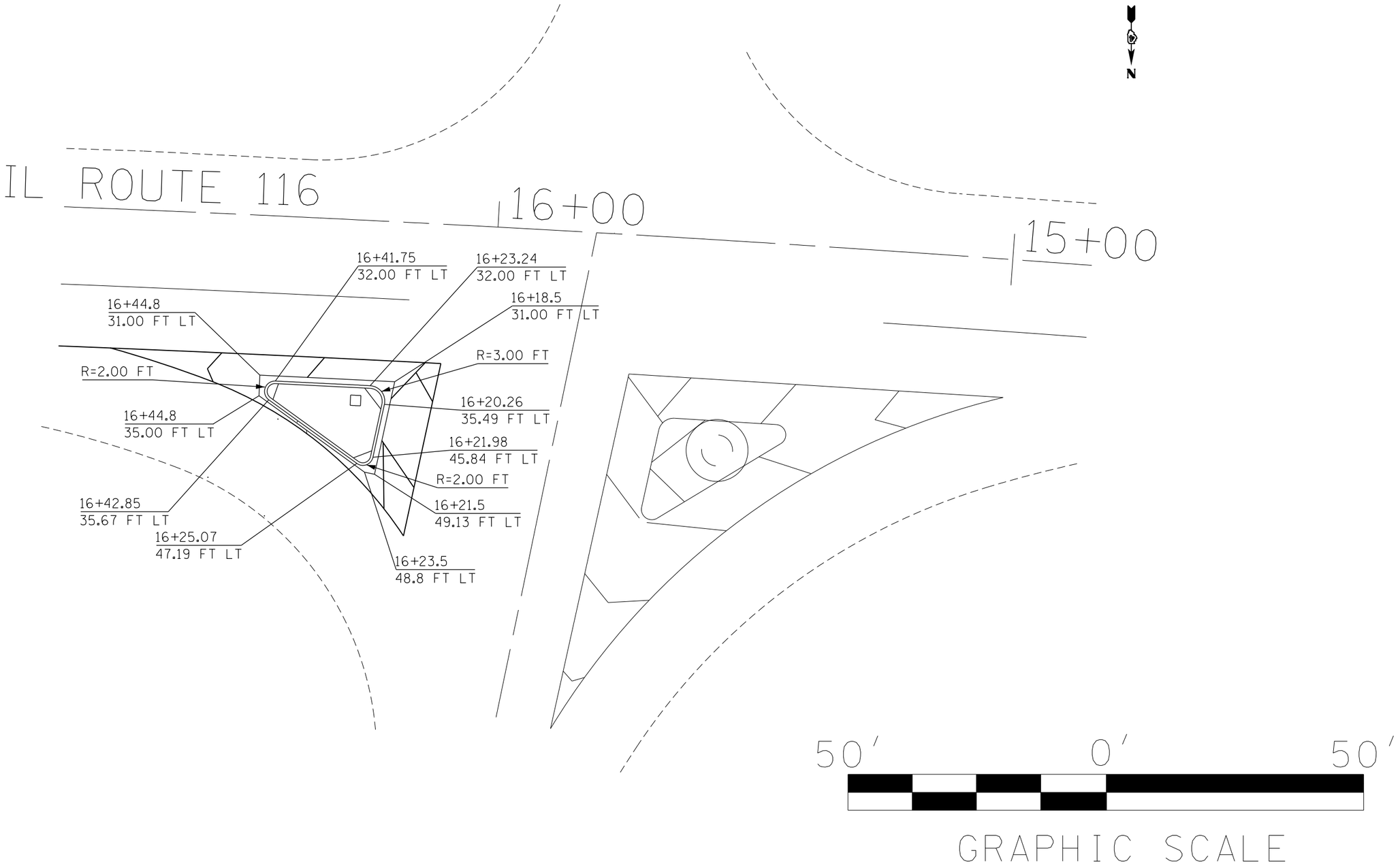
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION PAVING DETAIL
IL 116\L 78 (LIGHTFOOT RD.)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	21
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			



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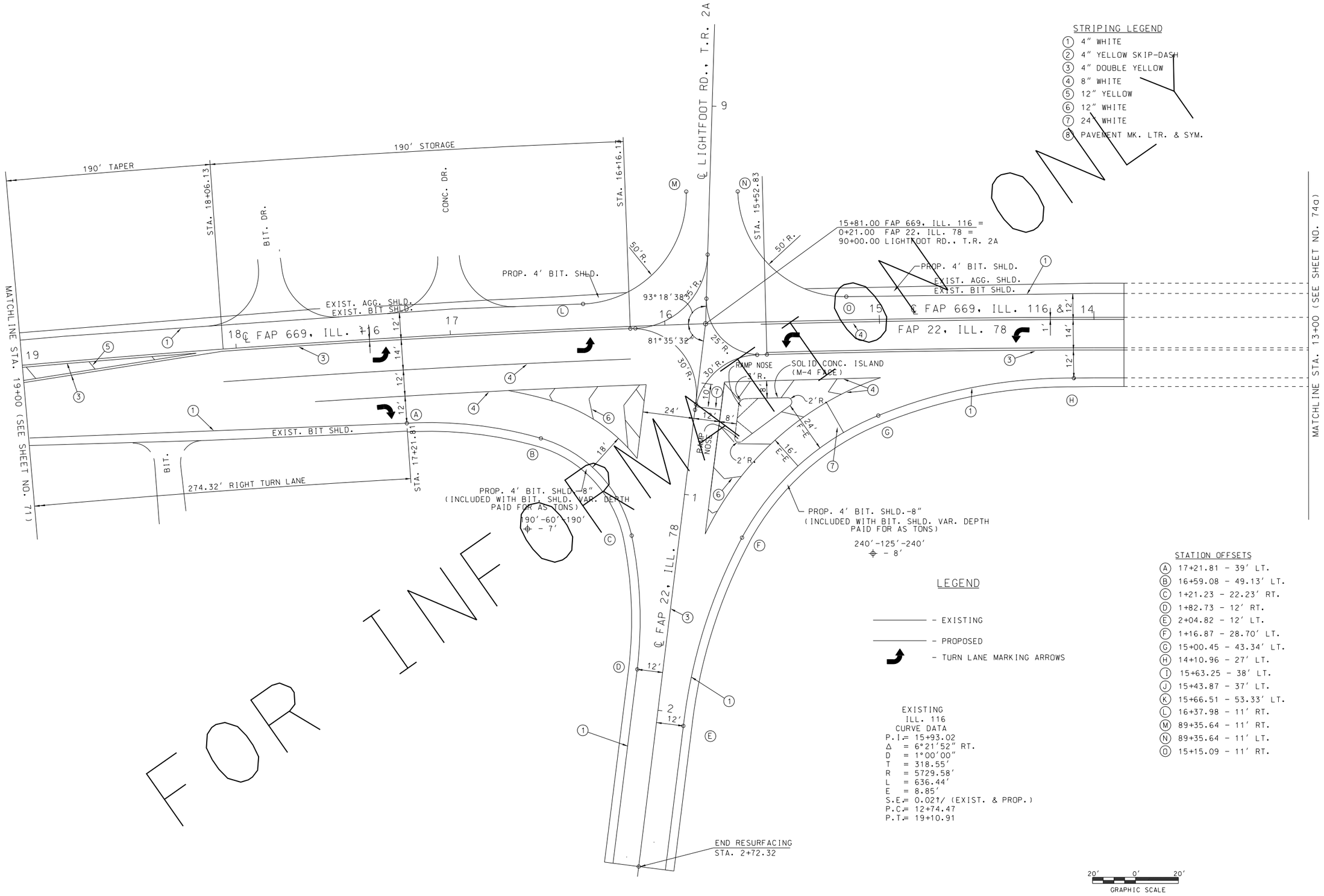
		DRAWN - JGJ	REVISED -							
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KJH	REVISED -							
	PLOT DATE = 1/29/2015	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA.	TO STA.		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	22
		CONTRACT NO. 68A78		
	ILLINOIS FED. AID PROJECT			



LEGEND

——— - EXISTING

——— - PROPOSED

- TURN LANE MARKING ARROWS

EXISTING
ILL. 116
CURVE DATA
P.I. = 15+93.02
Δ = 6°21'52" RT.
D = 1°00'00"
T = 318.55'
R = 5729.58'
L = 636.44'
E = 8.85'
S.E. = 0.021/ (EXIST. & PROP.)
P.C. = 12+74.47
P.T. = 19+10.91

STATION OFFSETS

(A)	17+21.81 - 39' LT.
(B)	16+59.08 - 49.13' LT.
(C)	1+21.23 - 22.23' RT.
(D)	1+82.73 - 12' RT.
(E)	2+04.82 - 12' LT.
(F)	1+16.87 - 28.70' LT.
(G)	15+00.45 - 43.34' LT.
(H)	14+10.96 - 27' LT.
(I)	15+63.25 - 38' LT.
(J)	15+43.87 - 37' LT.
(K)	15+66.51 - 53.33' LT.
(L)	16+37.98 - 11' RT.
(M)	89+35.64 - 11' RT.
(N)	89+35.64 - 11' LT.
(O)	15+15.09 - 11' RT.

20' 0' 20'
GRAPHIC SCALE

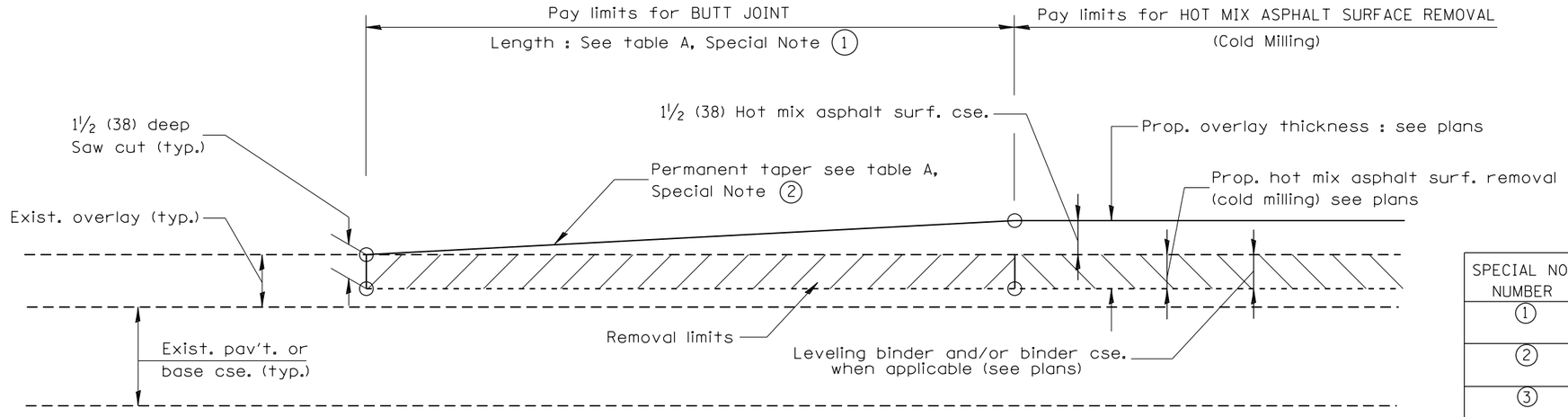
FILE NAME = 68A78 - Mar1.dgn	USER NAME = jochumsjg	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAIL
(FOR INFORMATION ONLY)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	23
		CONTRACT NO. 68A78		
		ILLINOIS FED. AID PROJECT		



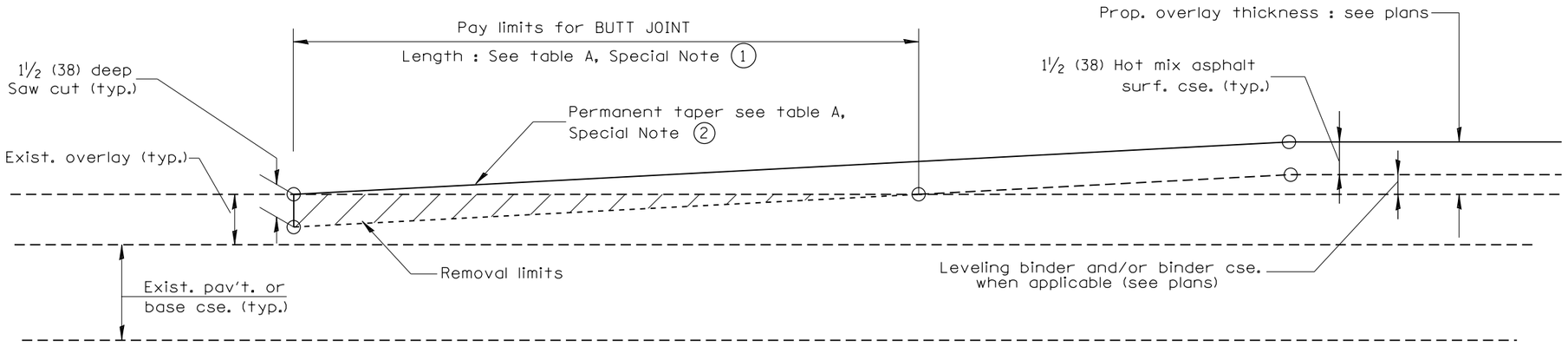
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TABLE A
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
(1)	LENGTH OF BUTT JOINT	60'(18.0 m)	30'(9.0 m)
(2)	PERMANENT TAPER RATE	1:480	1:240
(3)	TEMPORARY RAMP TAPER RATE	1:80	1:40
(4)	TEMPORARY RAMP LENGTH	10'(3.0 m)	5'(1.5 m)
(5)	LENGTH OF BUTT JOINT	10'(3.0 m)	10'(3.0 m)

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.



CASE 2 : NO HOT MIX ASHALT 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.					
04-01-97	CORRECTION TO DEPTH	J.A.					
09-15-05	REVISED DESIGNER NOTE	M.M.A.					
10-16-06	REVISED TO 2007 SPEC.	M.A.					

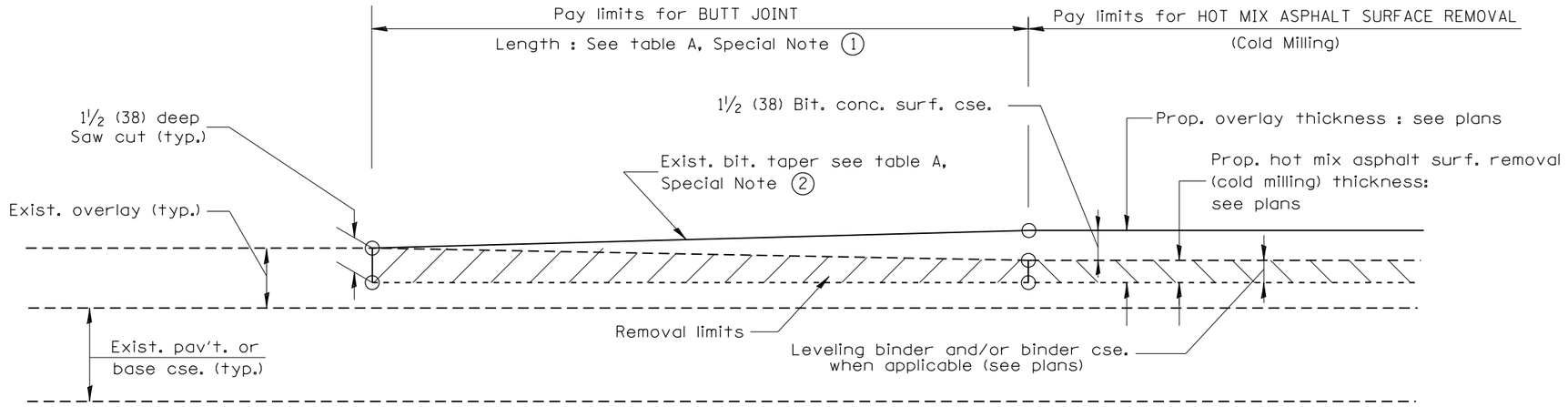
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

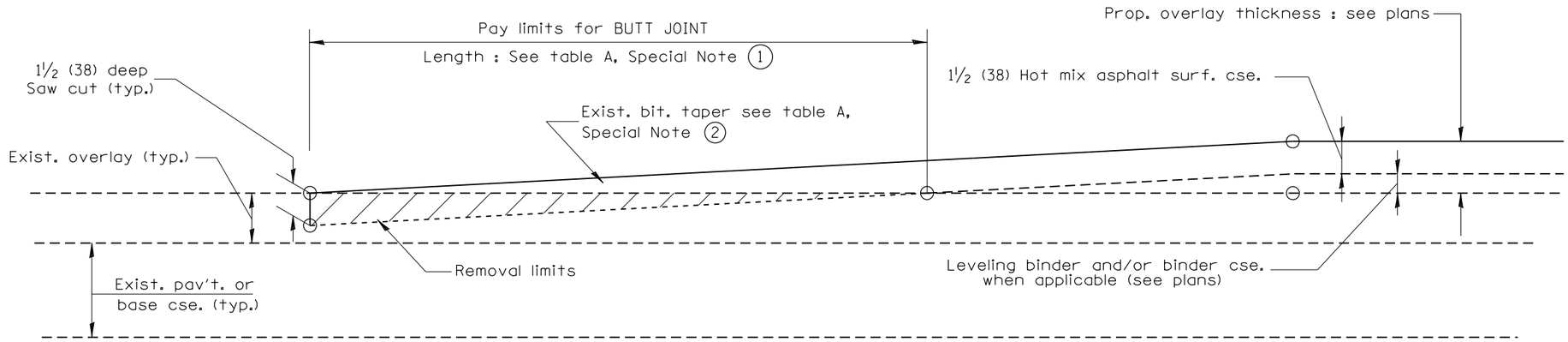
NOT TO SCALE

SHT. 1 OF 3
CADD STD. 406101-D4

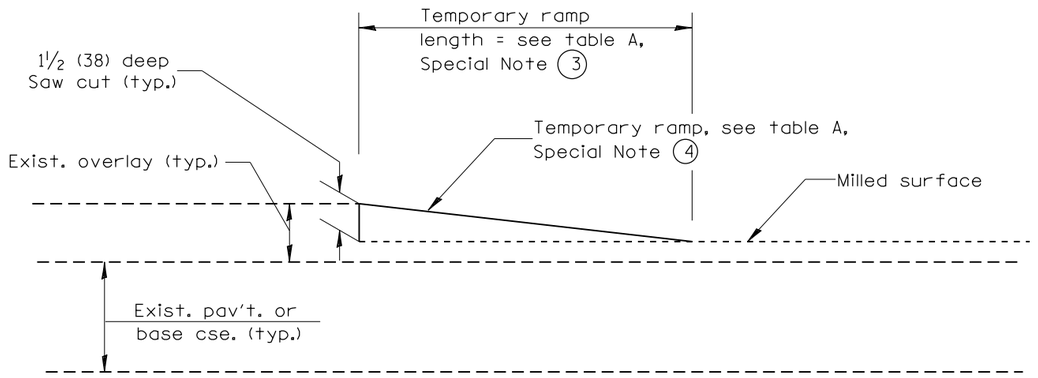
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	24
		CONTRACT NO. 68A78		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER



CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER



DETAIL TEMPORARY RAMP

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

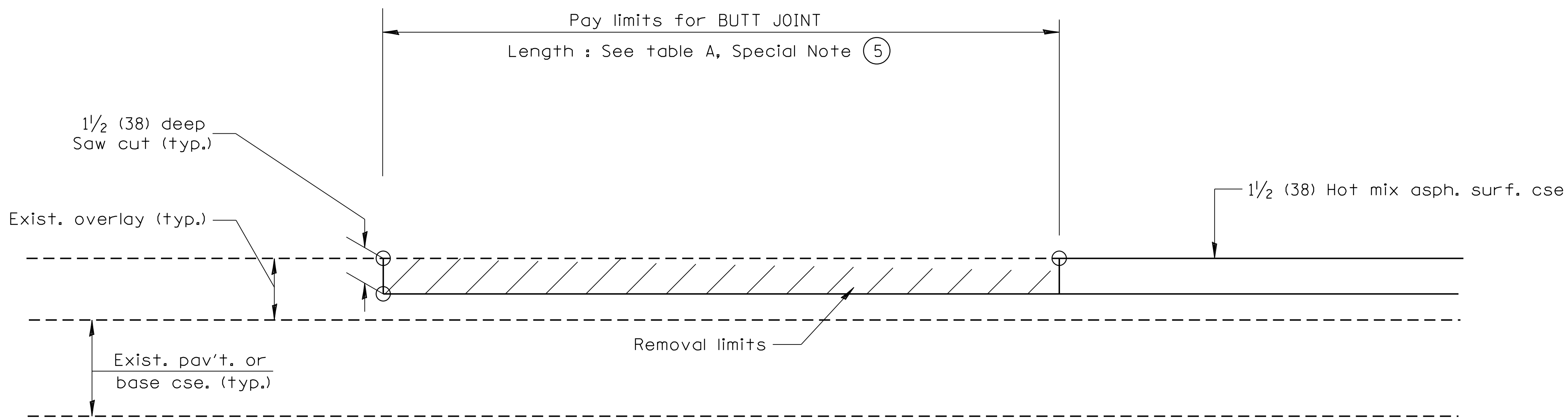
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

NOT TO SCALE

SHT. 2 OF 3
CADD STD. 406101-D4

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	25
		CONTRACT NO. 68A78		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER

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

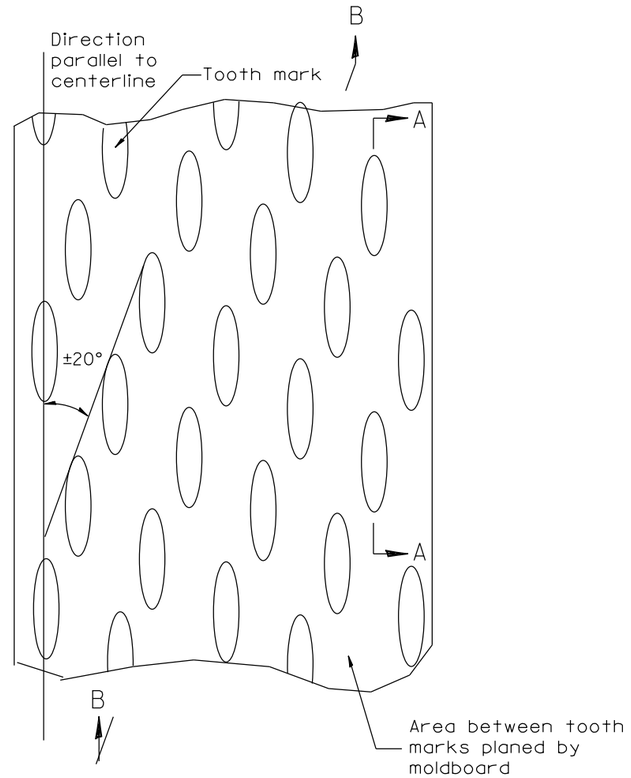
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

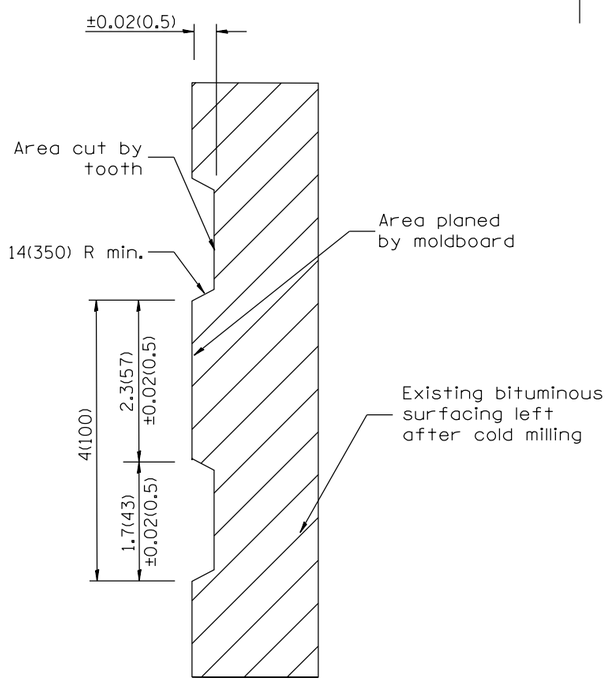
NOT TO SCALE

SHT. 3 OF 3
CADD STD. 406101-D4

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	26
		CONTRACT NO. 68A78		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



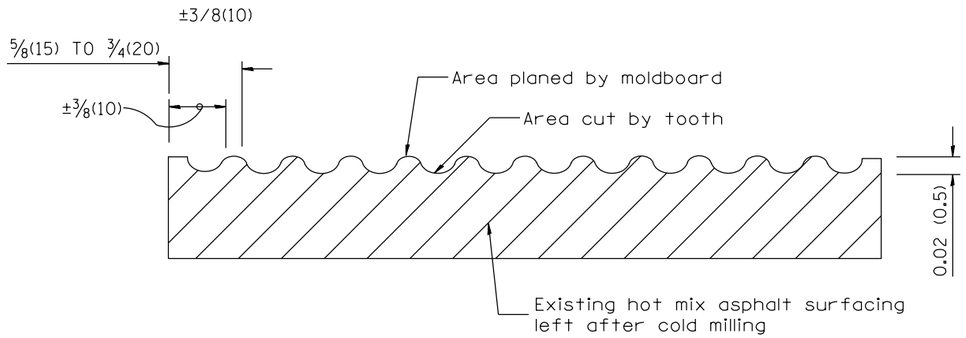
PLAN



SECTION A-A

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.



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

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

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.			
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.			
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

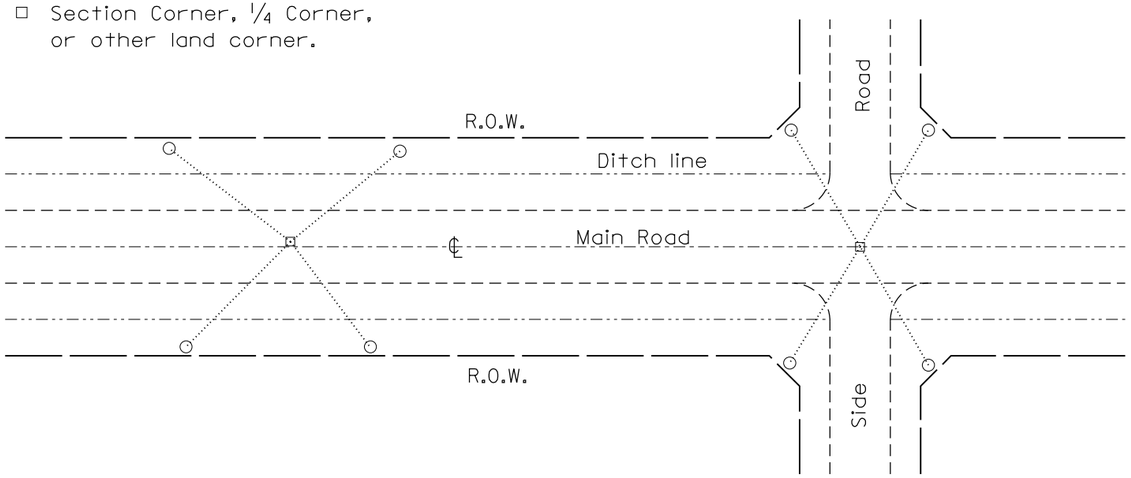
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE — CADD STD. 440001-D4

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	27
		CONTRACT NO. 68A78		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PERMANENT SURVEY TIES

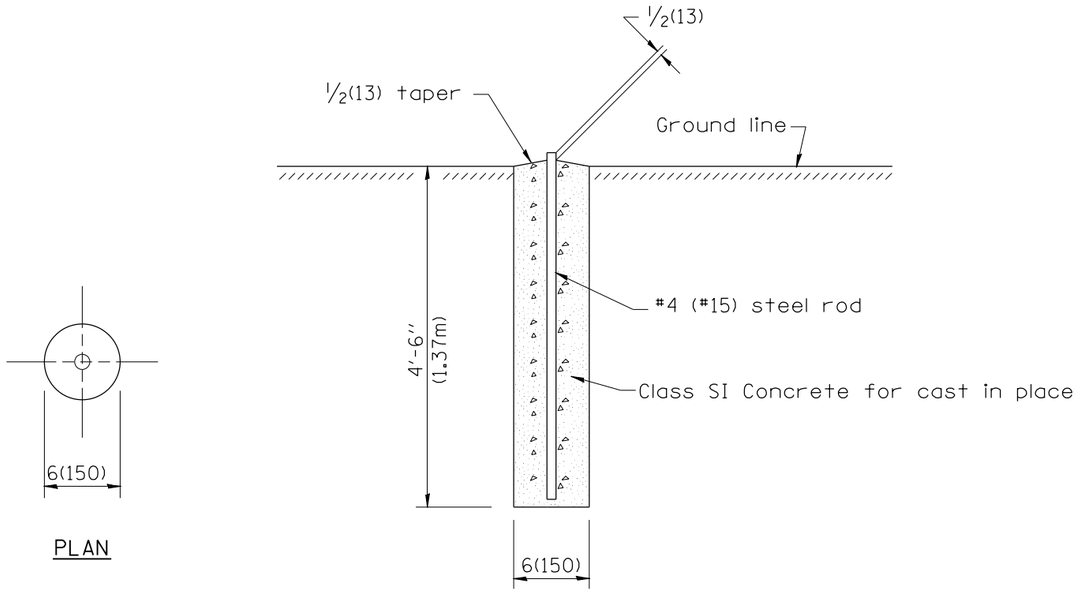
○ Permanent Survey Tie
□ Section Corner, 1/4 Corner, or other land corner.



TYPICAL APPLICATION

GENERAL NOTES

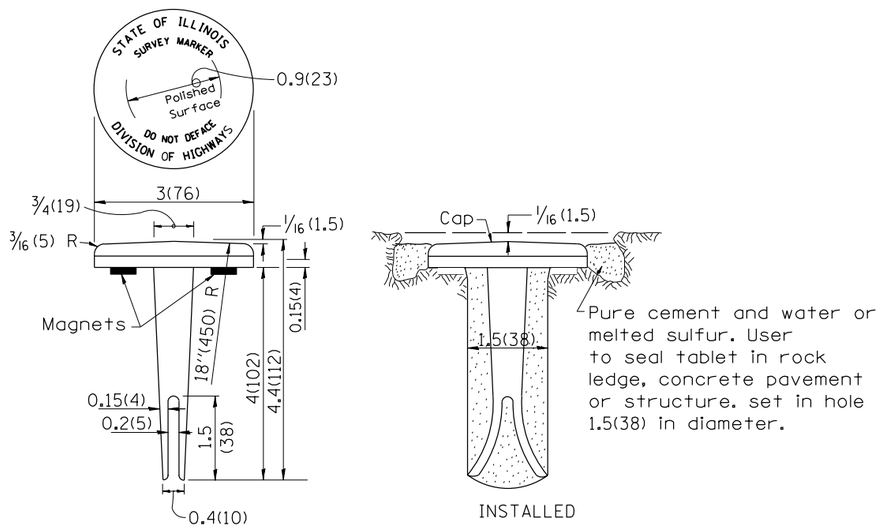
1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the surveyor setting the PSM. All ties shall be turned over to the IDOT Chief of Surveys or Chief of Plats for recordation.
4. All documentation shall be performed by a PLS



PLAN

SECTION

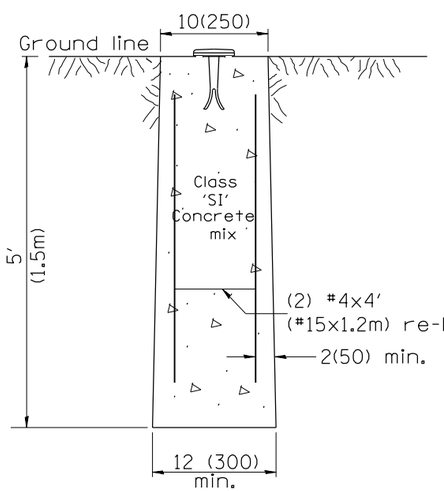
PERMANENT SURVEY MARKERS



TYPE I

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/4 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s, P.C.'s, and P.I.'s located within the R.O.W. of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.



MARKER CAST IN PLACE
TYPE II

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

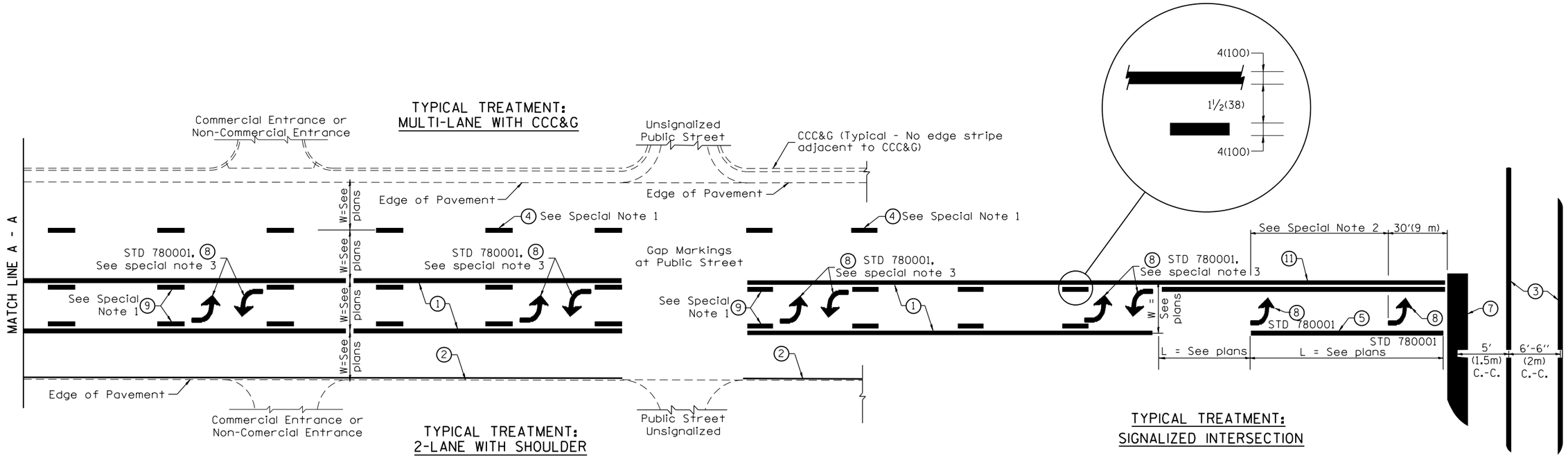
01-01-97	RENUM. D-3.01, NEW REVISION BOX, REVISED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
	TITLE BOX, ADD DESIGNER NOTE		01-04-11	REVISED FOR CORRECTIONS	R.D.
07-07-98	ADD DESIGNER NOTE	J.A.			
05-24-06	REMOVED GEN. NOTE UNDER TIES	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT SURVEY TIE &
PERMANENT SURVEY MARKERS TY.I – TY.II

NOT TO SCALE — CADD STD. 667101-D4

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	28
		CONTRACT NO. 68A78		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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) — 10' (3.05m) / 30' (9.14m) / 10' (3.05m) (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 — 33' (10m) (See Std. 780001 and Special Notes 2 & 3)
9. 4(100) Skip-Dash (Yellow) — 10' (3.05m) / 30' (9.14m) / 10' (3.05m) (See Special Note 1)
10. 12(300) Diagonal (Yellow) (See Table A)
11. 4(100) Double Solid (Yellow) — 11(280) C.-C., See Table A, 45°

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversly 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

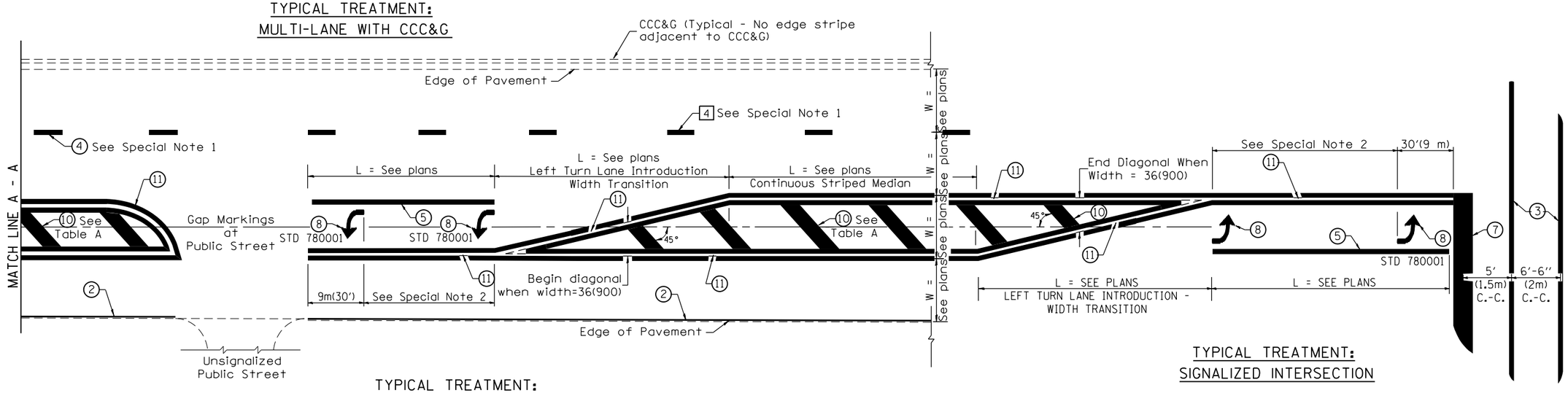
1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.			
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.			
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS
NOT TO SCALE
SHT. 1 OF 2
CADD STD. 780001-D4

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	29
		CONTRACT NO. 68A78		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



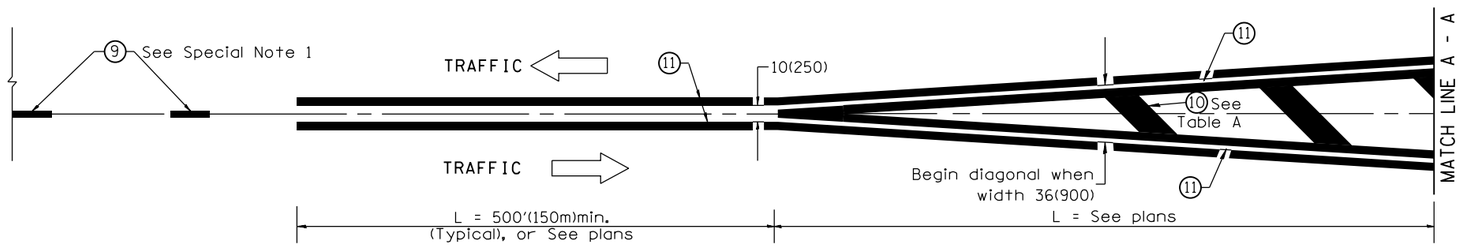
TYPICAL MEDIAN TRANSITIONS

FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A

RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 2 OF 2
CADD STD. 780001-D4

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(17,16)RS-4;15RS-7	PEORIA	30	30
		CONTRACT NO. 68A78		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		