

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2826	(4,5)SR-1	JEFFERSON	9	1
		ILLINOIS	CONTRACT NO. 78668	

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-5

PROPOSED HIGHWAY PLANS

FAS ROUTE 2826 (IL 37)
SECTION (4,5)SR-1
PROJECT HSIP-LE7A(568)
SAFETY SHOULDERS
JEFFERSON COUNTY

C-99-077-18

TRAFFIC DATA

IL 37 MARION/JEFFERSON CO. LINE TO OAKTON RD.			
	2017	2018	2038
PV =	3,580	3,615	4,415
SU =	280	285	345
MU =	90	90	110
ADT =	3,950	3,990	4,870

TOWNSHIPS

ROME
SHILOH
MT. VERNON

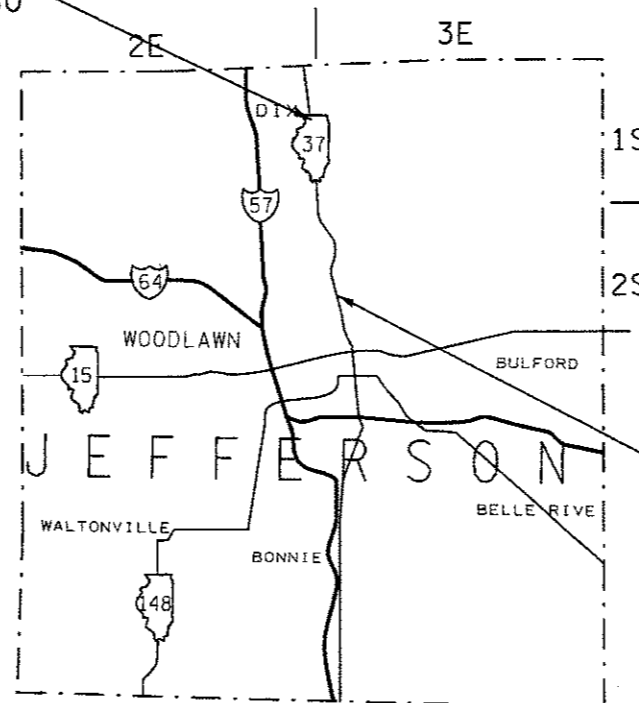
DESIGN DESIGNATION : N/A
COORDINATE SYSTEM : N/A
POSTED SPEED : 55 MPH

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

PROJECT ENGINEER CHARLES STEIN (618)351-5210
PROJECT DESIGNER VALERIE ROLLA (618)351-5214

CONTRACT NO. 78668

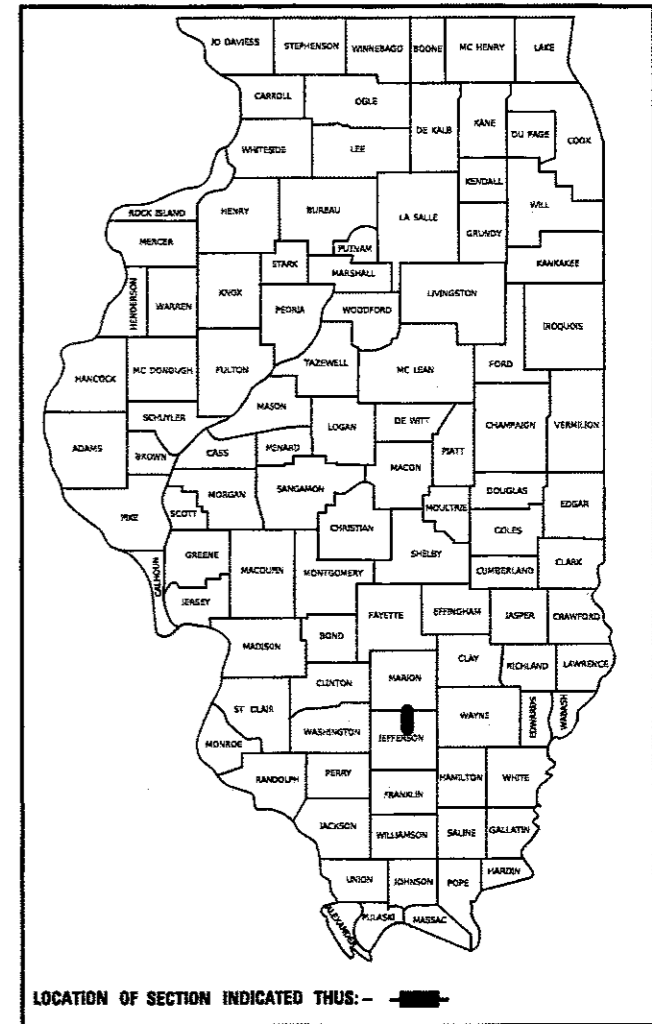
BEGIN PROJECT
STA 691+80



END PROJECT
STA 965+50

GROSS LENGTH = 27,363.3 FT. = 5.18 MILES
NET LENGTH = 26,302.4 FT. = 4.98 MILES

D-99-047-18



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

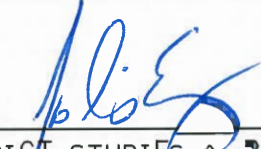
SUBMITTED March 26 20 18
Jeffrey A. Keen
REGION FIVE ENGINEER


May 11 20 18
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT


May 11 20 18
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

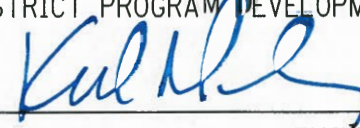
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Prepared By: 
DISTRICT STUDIES & PLANS ENGINEER


Examined By: 
DISTRICT LAND ACQUISITION ENGINEER

Examined By: 
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: 
DISTRICT OPERATIONS ENGINEER

Examined By: 
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: 
DISTRICT CONSTRUCTION ENGINEER

Examined By: 
DISTRICT MATERIALS ENGINEER

USER NAME = rollavr	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/21/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.S. RTE. 2826	SECTION (4,5)SR-1	COUNTY JEFFERSON	TOTAL SHEETS 9	SHEET NO. 2	CONTRACT NO. 78668
ILLINOIS FED. AID PROJECT											

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, MIX DESIGN
4-5	SUMMARY OF QUANTITIES
6	TYPICAL SECTIONS
7	SHOULDER SCHEDULE
8	SEEDING SCHEDULE
9	SIDEROAD & ENTRANCE DETAIL

GENERAL NOTES

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT 2.016 TONS/CU. YD.

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 10%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

TRIM EDGES OF EXISTING HOT MIX ASPHALT SURFACE FLUSH WITH EXISTING PAVEMENT PRIOR TO CONSTRUCTING NEW BASE COURSE WIDENING.

AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

AFTER A LIFT OF HOT MIX ASPHALT HAS BEEN PLACED, THE SHOULDER SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150 DEGREES FAHRENHEIT

THE MATERIAL THAT IS REMOVED TO PLACE THE SHOULDER SHALL BE HANDLED IN ACCORDANCE WITH ARTICLE 202.06. THERE ARE NO AVAILABLE WASTE SITES ON THE EXISTING RIGHT OF WAY WITHIN THE PROJECT LIMITS. DISPOSAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

COMMITMENTS: NONE

HMA MIXTURE REQUIREMENTS

Location(s):	Hot-Mix Asphalt Shoulders (Top Lift)
Mixture Use(s):	Hot-Mix Asphalt Shoulders, IL-9.5L
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0%, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5L
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq. Yd./in
Quality Management Program:	QCQA
Sublot Size:	NA

Location(s):	Hot-Mix Asphalt Shoulders (Lower Lifts)
Mixture Use(s):	Hot-Mix Asphalt Shoulders, IL-19.0L
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0%, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0L
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq. Yd./in
Quality Management Program:	QCQA
Sublot Size:	NA

HIGHWAY STANDARDS

000001-06_STANDARDSYMBOLSABBREVIATIONS&PATTERNS
 001006_DECIMALOF INCH&FOOT
 642006_SHOULDERRUMBLESTRIP8IN
 701006-05_OFFRDOP-2L2W-15FTT0EOP
 701011-04_OFFRDMOVINGOP-2L2W-DAYONLY
 701326-04_LNCL0SURE2L2W-PVMTWIDENING45MPHORMORE
 701901-07_TRAFCNTRLDEVICES

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2826	(4,5)SR-1	JEFFERSON	9	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78668	

SUMMARY OF QUANTITIES

COUNTY:	JEFFERSON
ROUTE:	IL 37
FUNDING:	90%HSIP/10%STATE
LOCATION:	RURAL
	0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	527
25000200	SEEDING, CLASS 2	ACRE	3
25000350	SEEDING, CLASS 7	ACRE	3
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	486
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	243
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	243
25000700	AGRICULTURAL GROUND LIMESTONE	TON	5
25100115	MULCH, METHOD 2	ACRE	5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	540
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5,195
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	23,079
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	52,372
67100100	MOBILIZATION	L SUM	1

13

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2826	(4,5)SR-1	JEFFERSON	9	4
CONTRACT NO. 78668				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

COUNTY:	JEFFERSON
ROUTE:	IL 37
FUNDING:	90%HSIP/10%STATE
LOCATION:	RURAL
	0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	22

2

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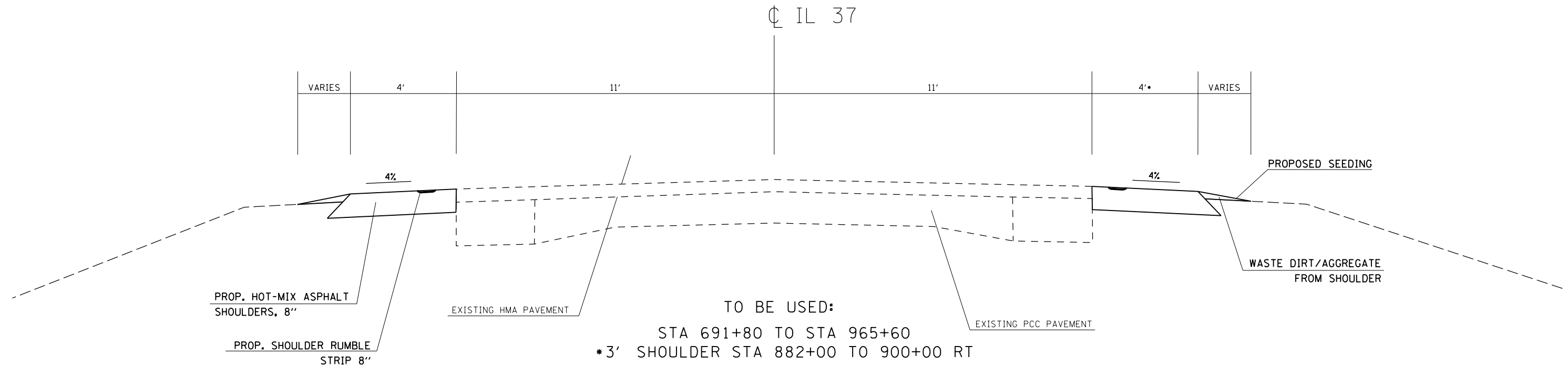
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE. 2826	SECTION (4,5)SR-1	COUNTY JEFFERSON	TOTAL SHEETS 9	SHEET NO. 5
CONTRACT NO. 78668				ILLINOIS FED. AID PROJECT

TYPICAL SECTION

IL 37 (FAS 2826)



OMISSIONS:

836+44.25	TO	837+15.75	GAP SN 041-0107
856+19.30	TO	864+27.79	GAP EXISTING HMA SHOULDER LT & RT
864+27.79	TO	866+08.73	GAP SN 041-0039
963+25.00	TO	965+60.00	GAP SHOULDER ON LT, EXISTING V-GUTTER

STATION EQUATIONS:

STA 959+27.40 BK = STA 959+44.10 AH

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PLOT DATE = 3/28/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE. 2826	SECTION (4,5)SR-1	COUNTY JEFFERSON	TOTAL SHEETS 9	SHEET NO. 6
CONTRACT NO. 78668				
ILLINOIS FED. AID PROJECT				

SHOULDER SCHEDULE

LOCATION STATION TO STATION	EXIST. PAVEMENT LENGTH	HMA SHLDRS, 8"	BITUMINOUS MATERIALS (TACK COAT)	SHOULDER RUMBLE STRIPS, 8 INCH	EXC. & GRADING EX. SHOULDER	NOTES
	(INFOR. ONLY)	SQ YD	POUND	FOOT	UNIT	
691+80.00 TO 836+44.25	14,464.25	12858	2893	28929	290	
GAP STA 836+44.25 TO STA 837+15.75						GAP SN 041-0107
837+15.75 TO 856+19.30	1,903.55	1693	381	3808	39	
GAP STA 856+19.3 TO STA 864+27.79						GAP EXISTING HMA SHOULDER LT & RT
GAP STA 864+27.79 TO STA 866+08.73						GAP SN 041-0039
866+08.73 TO 882+00.00	1,591.27	1415	319	3183	32	
882+00.00 TO 900+00.00	1,800.00	1400	315	3600	36	3' SHOULDER WIDTH ON RT SIDE
900+00.00 TO 959+27.40	5,927.40	5269	1186	11855	119	
STA 959+27.40 BK = STA 959+44.10 AH						
959+44.10 TO 963+25.00	380.90	339	77	762	8	
963+25.00 TO 965+60.00	235.00	105	24	235	3	GAP SHOULDER ON LT, EXISTING V-GUTTER
		23,079	5,195	52,372	527	

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**STATE OF ILLINOIS
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SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2826	(4,5)SR-1	JEFFERSON	9	7
CONTRACT NO. 78668				
ILLINOIS FED. AID PROJECT				

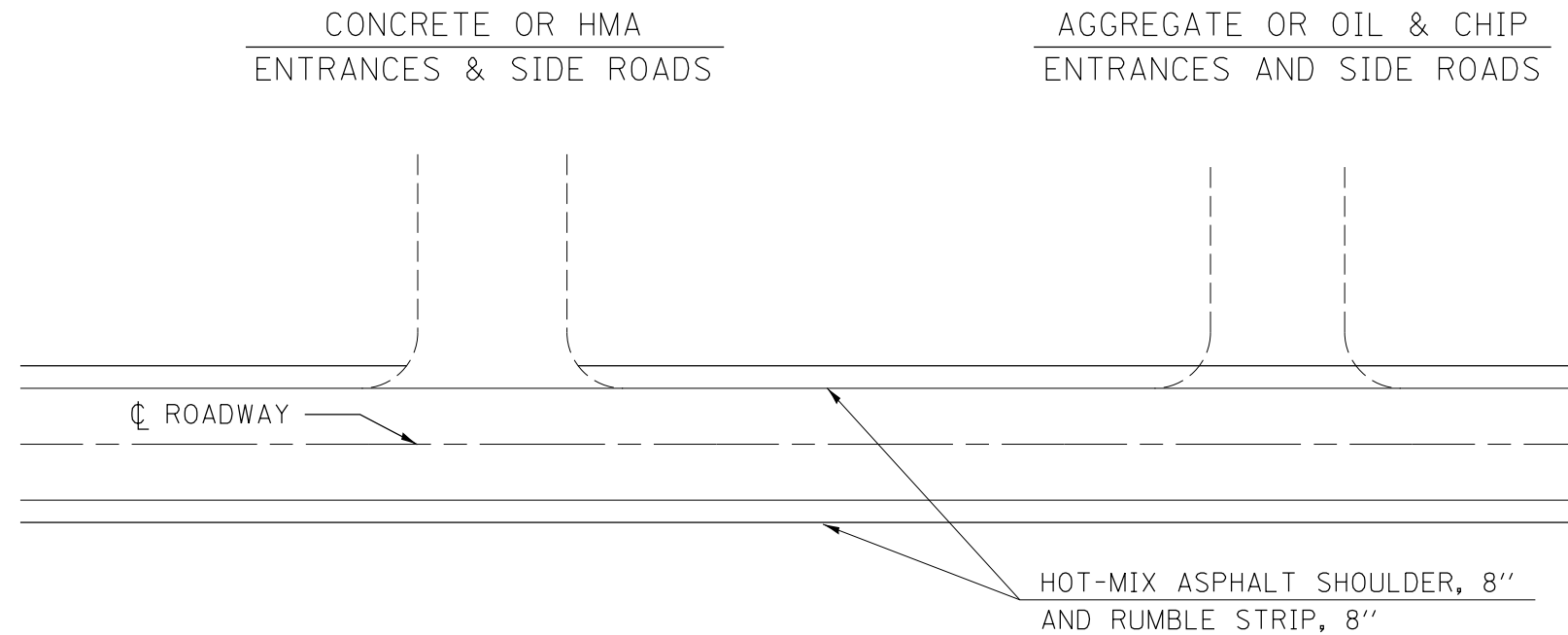
SEEDING SCHEDULE

LOCATION STATION TO STATION	EXIST. PAVEMENT LENGTH (INFOR. ONLY)	SEEDING, CLASS 2	SEEDING, CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING	NOTES
	FOOT	ACRE	ACRE	POUND	POUND	POUND	TON	ACRE	POUND	
691+80.00 TO 836+44.25	14,464.25	1.4	1.4	252	126	126	2.8	2.8	280	
GAP STA 836+44.25 TO STA 837+15.75										GAP SN 041-0107
837+15.75 TO 856+19.30	1,903.55	0.2	0.2	36	18	18	0.4	0.4	40	
GAP STA 856+19.3 TO STA 864+27.79										GAP EXISTING HMA SHOULDER LT & RT
GAP STA 864+27.79 TO STA 866+08.73										GAP SN 041-0039
866+08.73 TO 959+27.40	9,318.67	0.9	0.9	162	81	81	1.8	1.8	180	
STA 959+27.40 BK = STA 959+44.10 AH										
959+44.10 TO 963+25.00	380.90	0.1	0.1	18	9	9	0.2	0.2	20	
963+25.00 TO 965+60.00	235.00	0.1	0.1	18	9	9	0.2	0.2	20	GAP SHOULDER ON LT, EXISTING V-GUTTER
		3	3	486	243	243	5	5	540	

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 78668				
PLOT DATE = 3/28/2018	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

SIDE ROAD AND ENTRANCE DETAIL



TO BE USED:

STA 691+80 TO STA 965+60

GENERAL NOTES

1. CONSTRUCT HOT-MIX ASPHALT SHOULDER THROUGH AGGREGATE AND OIL & CHIP ENTRANCES AND SIDE ROADS. IF THE ENTRANCE OR SIDE ROAD IS CONCRETE OR HMA, THEN PLACE SHOULDER UP TO EDGE OF THE ENTRANCE OR SIDE ROAD PAVEMENT.
2. THE MATERIAL THAT IS REMOVED TO PLACE THE SHOULDER SHALL BE HANDLED IN ACCORDANCE WITH ARTICLE 202.06.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEROAD & ENTRANCE DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2826	(4,5)SR-1	JEFFERSON	9	9
CONTRACT NO. 78668				
ILLINOIS		FED. AID PROJECT		