

04-22-2016 LETTING ITEM 058

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

FAP 708 AND FAP 71  
SECTION D5 CM PATCHING 2016-4

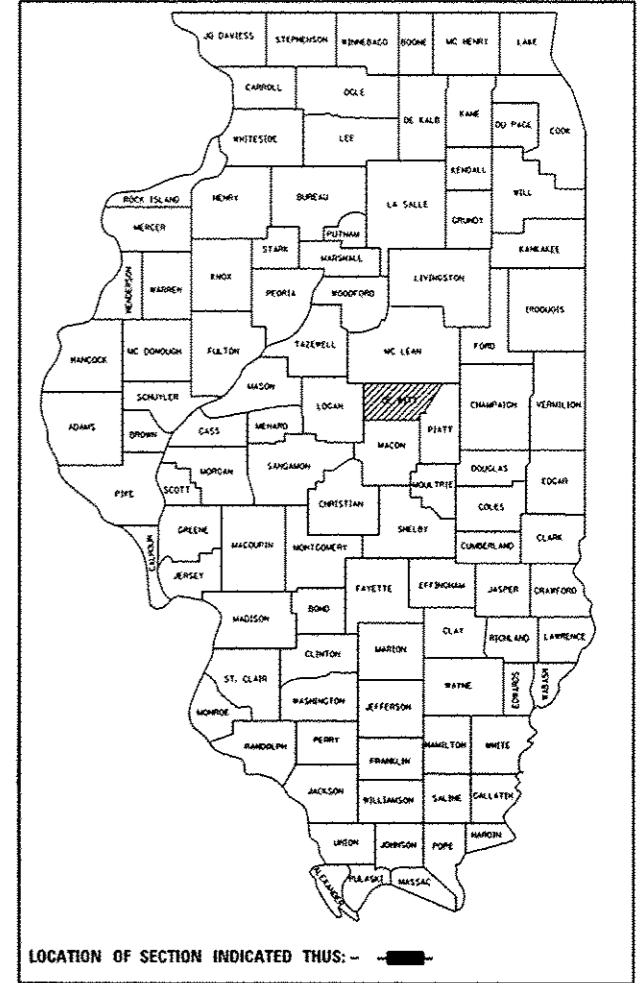
PATCHING  
DEWITT COUNTY

C-95-062-15

US 51 BYP(N) TO US 51 BYP(S) IN CLINTON  
AND AT I-74 N OF FARMER CITY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* FAP 708 & FAP 71	D5 CM PATCHING 2016-4	DEWITT	8	1
		ILLINOIS	CONTRACT NO. 70B63	

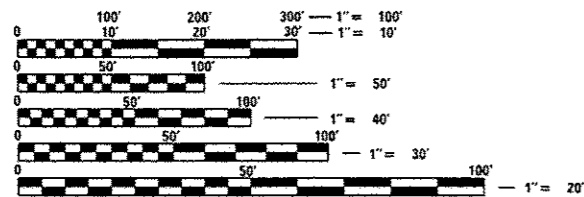
D-95-062-15



FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR LOCATION MAPS, SEE SHEET NO. 3  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

**CURRENT TRAFFIC DATA**  
SEE LOCATION MAP, SHEET NO. 3

**DESIGN DESIGNATION**  
OTHER PRINCIPAL ARTERIAL (FAP 708)  
MINOR ARTERIAL (FAP 71)

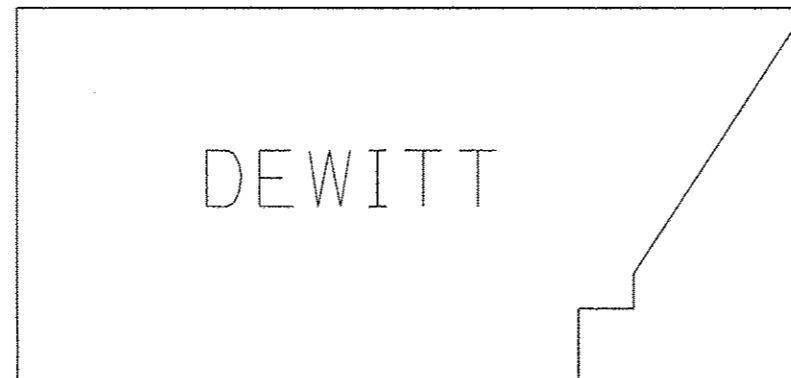


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811 TOWNSHIPS: CLINTONIA, TEXAS & SANTA ANNA

PROJECT ENGINEER: JASON STULTS  
DESIGN SQUAD LEADER: RYAN CARROLL  
DESIGNER: AVOREE GORE  
217-465-4181

CONTRACT NO. 70B63



GROSS LENGTH = 3,521.41 FT. = 0.667 MILE  
NET LENGTH = 3,521.41 FT. = 0.667 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED January 26, 2016  
Benjamin James  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

March 18, 2016  
Maureen M. Addis, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

March 18, 2016  
Omer Osman, P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

# INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS & LIST OF HIGHWAY STANDARDS & GENERAL NOTES & COMMITMENTS
3	LOCATION MAPS
4	SUMMARY OF QUANTITIES
5-6	TYPICAL CROSS SECTIONS
7-8	SCHEDULE OF QUANTITIES

# LIST OF STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-08	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-07	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2 W WITH NONTRAVERSABLE MEDIAN
701901-05	TRAFFIC CONTROL DEVICES

# GENERAL NOTES

G.N.-100  
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A  
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-406H  
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location	Bottom 12" of 14" Class D Patches	Top 2" of 14" Class D Patches
Mixture Use	Bottom 12" of 14" Class D Patches	Top 2" of 14" Class D Patches
AC/PG	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 19.0	IL 9.5
Friction Aggregate	N.A.	Mix C
Mixture Weight	112	112
Quality Management Program	QC/QA	QC/QA
Sublot Size	N.A.	N.A.

G.N.-442B – PATCHING SCHEDULES  
THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G.N.-440B  
THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-1004.01  
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

# COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

FILE NAME =	USER NAME = gcr000	DESIGNED - ASG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, LIST OF STANDARDS, GENERAL NOTES, &amp; COMMITMENTS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Documents\DOT Offices\District 5\Projects\0877\DRAWN\Date\Design\ASG\0863-1117-gennotes.dwg	PLLOT SCALE = 48.8000 / in.	CHECKED - RTC	REVISED -			* DS CM PATCHING 2016-1	DEWITT	8	2		
Default	PLLOT DATE = 1/25/2016	DATE - 01/20/16	REVISED -			*FAP 708 & FAP 71	CONTRACT NO. 70B53				
						ILLINOIS FED. AID PROJECT					

# LOCATION MAP #1

**CURRENT ADT**  
 FUNCTIONAL CLASSIFICATION: O.P.A.  
 FAP 708 (US 51 BUS)

**DEWITT COUNTY**  
 F.A.P. 708 (US 51 BUS)

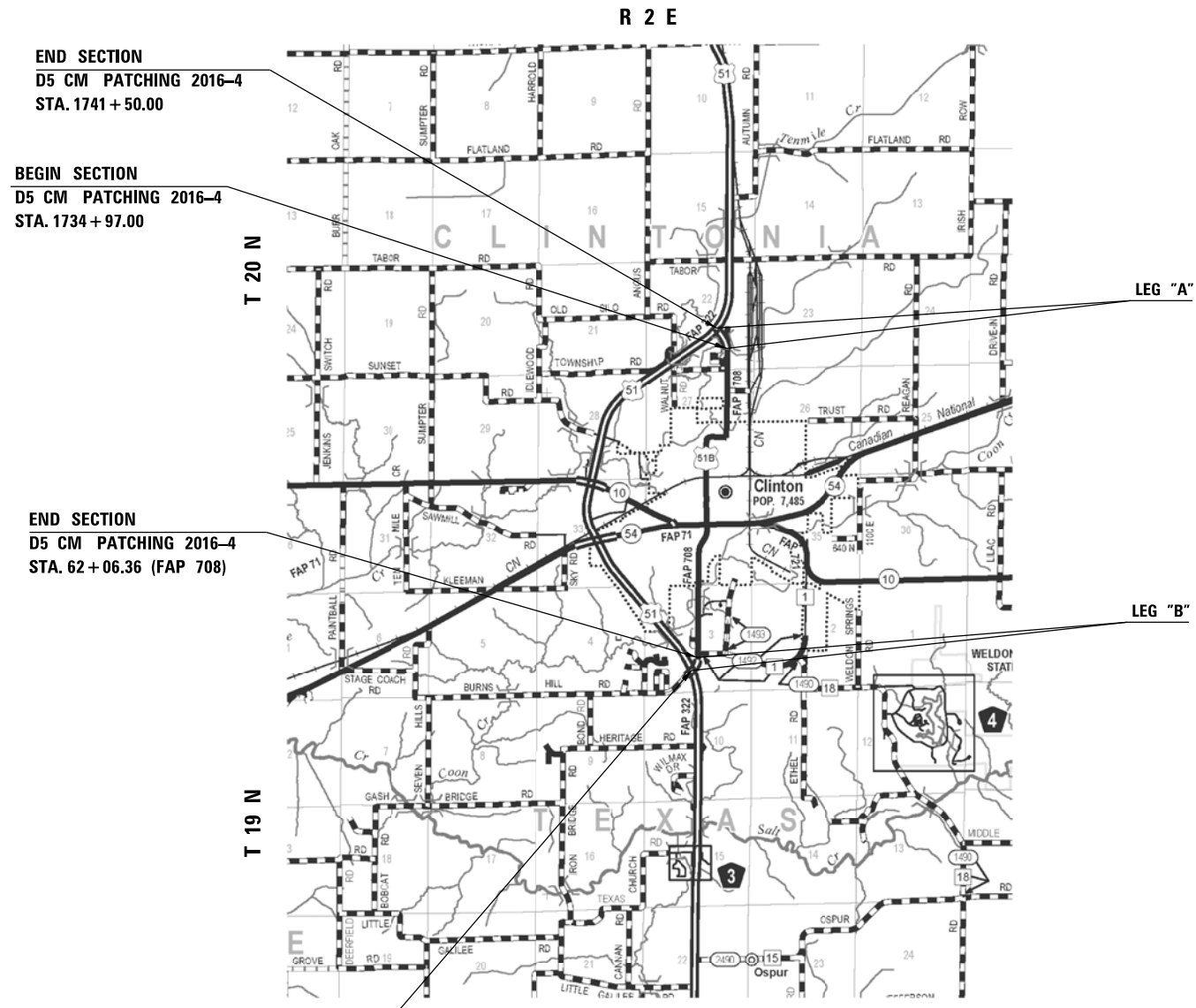
LEG "A"	LEG "B"
2016 = 3,350	2016 = 2,900
PV % = 96.9	PV % = 94.0
SU % = 1.9	SU % = 3.3
MU % = 1.2	MU % = 2.7

# LOCATION MAP #2

**CURRENT ADT**  
 FUNCTIONAL CLASSIFICATION: MIN. ARTERIAL  
 FAP 71 (IL 54)

**DEWITT COUNTY**  
 F.A.P. 71 (IL 54)

LEG "A"	LEG "B"
2016 = 4,300	2016 = 1,100
PV % = 92.9	PV % = 78.1
SU % = 4.0	SU % = 12.1
MU % = 3.1	MU % = 9.8



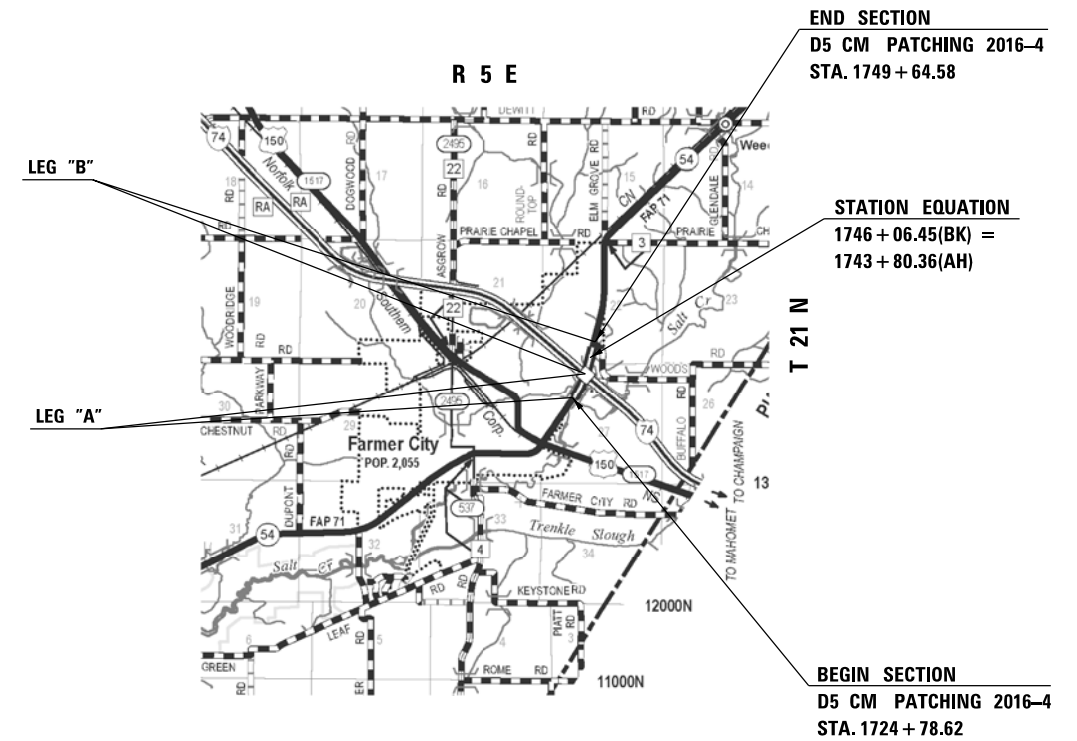
**END SECTION**  
 D5 CM PATCHING 2016-4  
 STA. 1741 + 50.00

**BEGIN SECTION**  
 D5 CM PATCHING 2016-4  
 STA. 1734 + 97.00

**END SECTION**  
 D5 CM PATCHING 2016-4  
 STA. 62 + 06.36 (FAP 708)

**BEGIN SECTION**  
 D5 CM PATCHING 2016-4  
 STA. 59 + 40.00

**GROSS LENGTH = 809.36 FT. = 0.153 MILE**  
**NET LENGTH = 809.36 FT. = 0.153 MILE**



**END SECTION**  
 D5 CM PATCHING 2016-4  
 STA. 1749 + 64.58

**STATION EQUATION**  
 1746 + 06.45(BK) =  
 1743 + 80.36(AH)

**BEGIN SECTION**  
 D5 CM PATCHING 2016-4  
 STA. 1724 + 78.62

**GROSS LENGTH = 2,712.05 FT. = 0.514 MILE**  
**NET LENGTH = 2,712.05 FT. = 0.514 MILE**

FILE NAME =	USER NAME = gress	DESIGNED - ASG	REVISED -
pw:\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\DOT Offices\District 5\Projects\57\DR\Drawings\ASG\70863-sht-cover.dgn		CHECKED - RTC	REVISED -
Default	PLOT DATE = 1/25/2016	DATE - 01/20/16	REVISED -

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

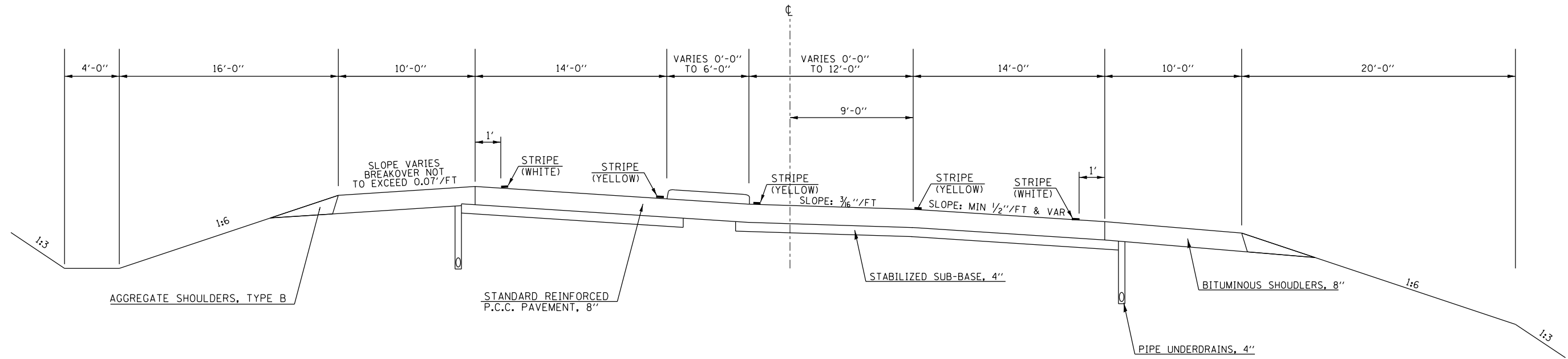
LOCATION MAPS			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D5 CM PATCHING 2016-4	DEWITT	8	3
•	FAP 708 & FAP 71			CONTRACT NO. 70863



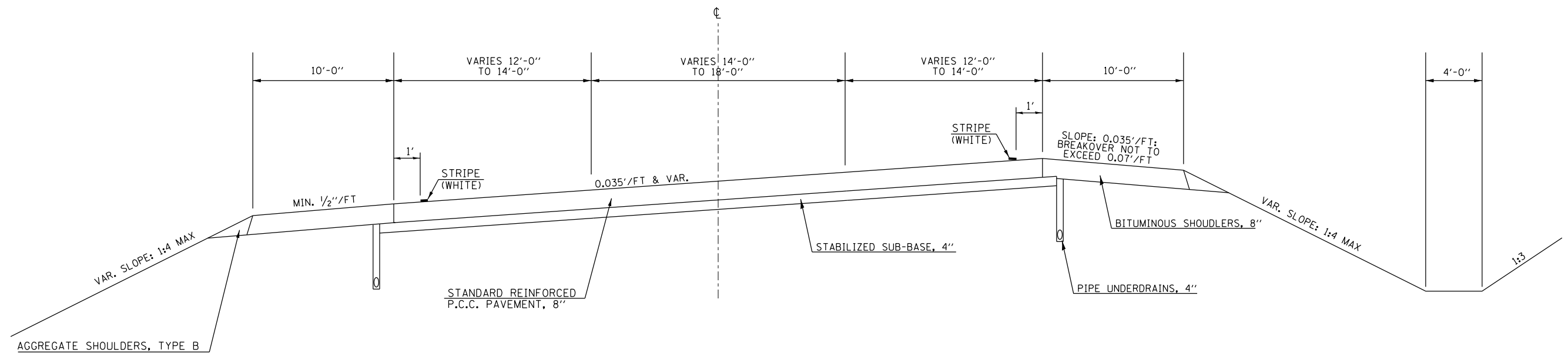
# 1 EXISTING TYPICAL CROSS SECTION

STA. 1734+97.00 TO STA. 1741+50.00  
 F. A. P. 708 (U. S. 51 BUS)



# 2 EXISTING TYPICAL CROSS SECTION

① STA. 59+40.00 TO STA. 62+06.36  
 F. A. P. 708 (U. S. 51 BUS)



FILE NAME =	USER NAME = goreas	DESIGNED - ASG	REVISED -
p:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\05718\BROWNDATA\Design\ASG\0863-shr-typicals		REVISION	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - RTC	REVISED -
Default	PLOT DATE = 1/26/2016	DATE - 01/05/2016	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

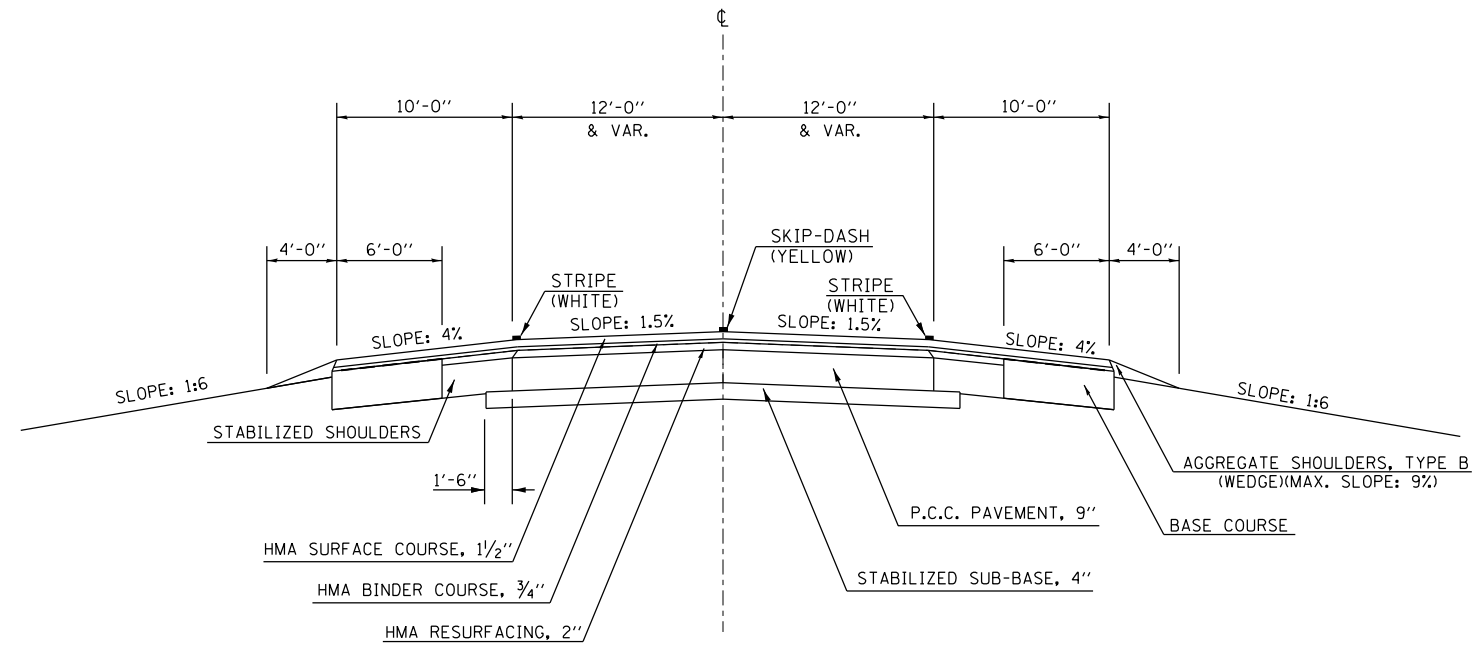
US BUS 51 TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• D5 CM PATCHING 2016-04	DEWITT		8	5
• FAP 708 & FAP 71		CONTRACT NO. 70B63		
ILLINOIS FED. AID PROJECT				

### ③ EXISTING TYPICAL CROSS SECTION

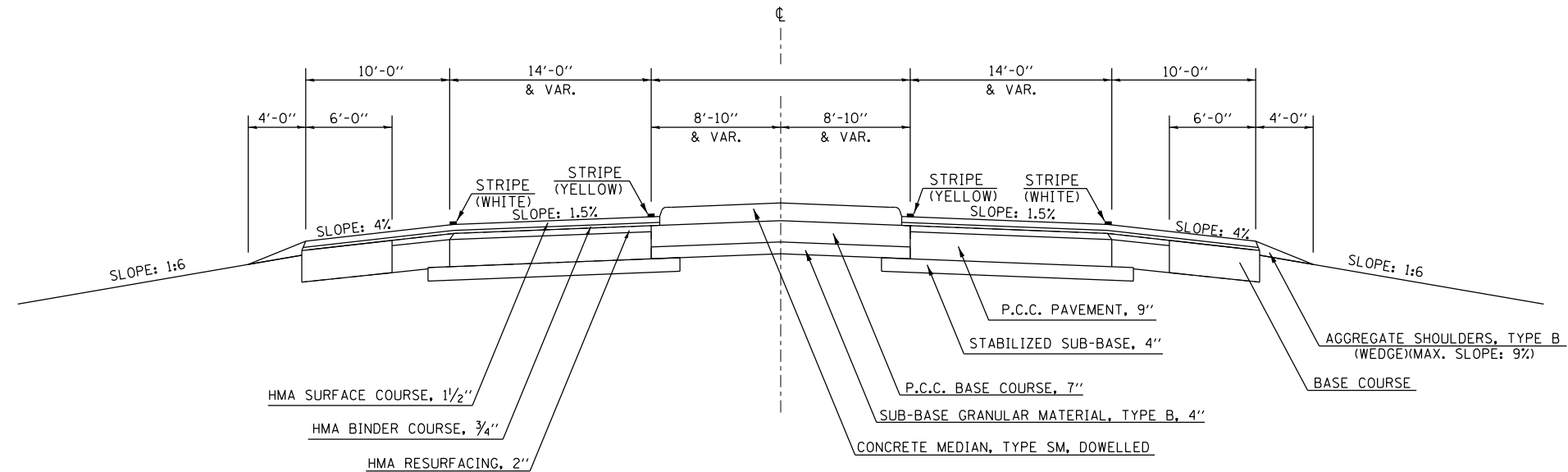
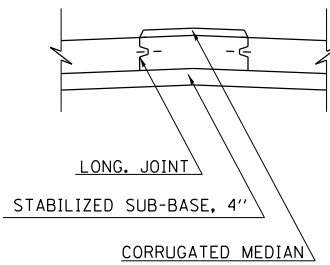
STA. 1724+78.62 TO STA. 1725+84.82 ④  
F. A. P. 71 ( IL 54 )



### ④ EXISTING TYPICAL CROSS SECTION

③ STA. 1725+84.82 TO STA. 1729+09.29 ( OMISSION FOR STRUCTURE # 020-0035 )  
STA. 1730+16.57 TO STA. 1737+29.67 ( OMISSION FOR STRUCTURE # 020-0034 )  
STA. 1740+04.61 TO STA. 1746+06.45 BACK  
AHEAD STA. 1743+80.36 TO STA. 1749+64.58  
F. A. P. 71 ( IL 54 )

CORRUGATED MEDIAN  
STA. 1725+84.82 TO 1727+64.94  
VARIABLE WIDTH



FILE NAME =	USER NAME = gorees	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 54 TYPICAL CROSS SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\0579\BROWNDATA\Design\0570863-sht-typicals		REVISION	REVISED -			* D5 CM PATCHING 2016-04	DEWITT	8	6	
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			*FAP 708 & FAP 71	<b>CONTRACT NO. 70B63</b>			
Default	PLOT DATE = 1/25/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 1 SHEETS STA. 1724+78.62 TO STA. 1749+64.58

# SCHEDULE OF QUANTITIES

CLASS B PATCHING (FAP 708/US 51 BUS)									
STATION	DIRECTION	LENGTH	WIDTH	44200934	44200942	44200944	44201299	44213200	44200050
				TYPE II 8.0"	TYPE III 8.0"	TYPE IV 8.0"	DOWEL BARS	SAW CUTS	WELDED WIRE REINFORCEMENT
		FOOT	FOOT	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD
60+50.00	NB	6.0	13.5	9.0	0.0	0.0	23	52.5	0.0
60+50.00	SB	6.0	14.0	9.3	0.0	0.0	24	54.0	0.0
60+50.00	BDTL	6.0	15.0	10.0	0.0	0.0	26	57.0	0.0
61+00.00	SB	6.0	13.5	9.0	0.0	0.0	23	52.5	0.0
61+00.00	BDTL	6.0	15.0	10.0	0.0	0.0	26	57.0	0.0
61+53.00	NB	6.0	13.5	9.0	0.0	0.0	23	52.5	0.0
61+53.00	SB	6.0	13.5	9.0	0.0	0.0	23	52.5	0.0
61+53.00	BDTL	6.0	13.5	9.0	0.0	0.0	23	52.5	0.0
62+00.00	NB	18.0	13.5	0.0	0.0	27.0	35	76.5	27.0
1734+97.00	NB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1735+15.00	NB	7.0	12.5	9.7	0.0	0.0	21	51.5	0.0
1735+15.00	SB	7.0	12.5	9.7	0.0	0.0	21	51.5	0.0
1735+36.00	NB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1735+36.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1735+57.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1735+77.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1735+77.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1735+95.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1736+15.00	SB	6.0	14.0	9.3	0.0	0.0	24	54.0	0.0
1736+30.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1736+40.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1736+53.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1736+53.00	NB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1736+93.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1737+14.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1737+32.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1737+32.00	NB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1737+74.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1737+74.00	NB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1737+86.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1738+00.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1738+11.00	NB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1738+12.00	SB	5.0	12.5	6.9	0.0	0.0	21	47.5	0.0
1738+30.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1738+30.00	NB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1738+75.00	NB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1738+75.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1738+90.00	SB	12.0	12.5	0.0	16.7	0.0	21	61.5	16.7
1739+14.00	SB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1739+14.00	NB	6.0	12.5	8.3	0.0	0.0	21	49.5	0.0
1739+14.00	SB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1739+30.00	NB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1739+30.00	SB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1739+52.00	SB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1739+52.00	NB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1739+78.00	SB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1739+78.00	NB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1740+18.00	SB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1740+30.00	SB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1740+60.00	SB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1740+72.00	SB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1741+08.00	SB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1741+08.00	NB	6.0	12.5	5.6	0.0	0.0	21	45.5	0.0
1741+50.00	SB	6.0	14.0	9.3	0.0	0.0	24	54.0	0.0
TOTAL:				409.0	17.0	27.0	1,177.0	2,706.0	44.0

