

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PLANS FOR PROPOSED**  
**HIGHWAY IMPROVEMENT**

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MACON	6	1

• 322 (US 51)  
 •• D-5 ANNUAL PATCHING 2005-1

CONTRACT NO. 70452  
 D-95-001-05

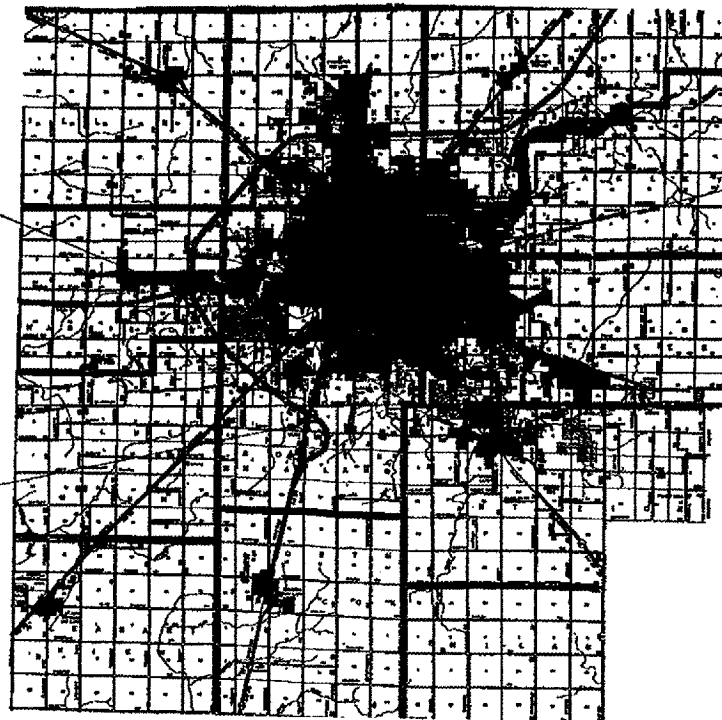
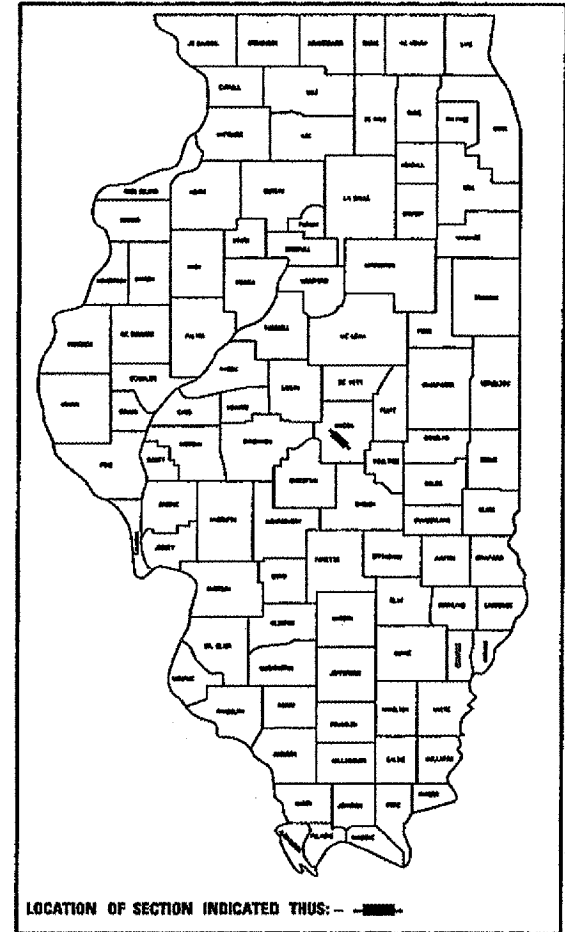
FOR INDEX OF SHEETS, SEE SHEET NO. 2  
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3

PLAN N/A  
 PROFILE HORIZ. N/A  
 PROFILE VERT. N/A  
 CROSS SECTIONS

HORIZONTAL N/A    VERTICAL N/A

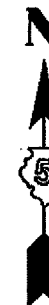
**F.A.P. ROUTE 322 (US 51)**  
**SECTION D-5 ANNUAL PATCHING 2005-1**  
**MACON COUNTY**  
**PATCHING FROM U.S. 36 TO**  
**U.S. 51 BUSINESS SW OF DECATUR**

C-95-001-05



SECTION: D-5 ANNUAL PATCHING 2005-1 ENDS  
 STATION 370+00

SECTION: D-5 ANNUAL PATCHING 2005-1 BEGINS  
 STATION 120+00



**DESIGN DESIGNATION**  
 NA

CURRENT ADT = 4,400 (2005)

CONTRACT NO. 70452

FOR UNDERGROUND UTILITY  
 LOCATIONS CALL  
 TOLL FREE J.U.L.I.E. TELEPHONE NO.  
 1-800-892-0123

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED: Feb 8, 2005  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

EXAMINED: March 25, 2005  
 ENGINEER OF DESIGN AND ENVIRONMENT

APPROVED: March 25, 2005  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

TOTAL AND NET LENGTH OF SECTION & PROJECT = 25,000 FEET = 4.73 MILES

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

(217)465-4181

PROJECT ENGINEER: TIM BRANDENBURG

SQUAD LEADER: JEFF DAVISON

DESIGNER: KARY DAWSON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	*	MACON	6	2

CONTRACT NO. 70452  
 \* D-5 ANNUAL PATCHING 2005-1

## HIGHWAY STANDARDS

001001 AREAS OF REINFORCEMENT BARS  
 001006 DECIMAL OF AN INCH AND OF A FOOT  
 420001-05 PAVEMENT JOINTS  
 421001-01 BAR REINFORCEMENT FOR CRC PAVEMENT  
 442001-02 CLASS A PATCHES  
 701400-02 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY  
 701401-03 TRAFFIC CONTROL AND PROTECTION, LANE CLOSURE,  
 MULTI-LANE, FOR SPEEDS > 45 MPH  
 701411-03 TRAFFIC CONTROL AND PROTECTION, LANE CLOSURE,  
 MULTI-LANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS  
 > 45 MPH  
 702001-05 TRAFFIC CONTROL DEVICES

## INDEX OF SHEETS

1. COVER SHEET
2. HIGHWAY STANDARDS
2. INDEX OF SHEETS
3. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. TYPICAL CROSS SECTIONS
5. -6. PATCHING SCHEDULES

**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. -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.

**SUMMARY OF QUANTITIES**

CONSTRUCTION TYPE CODE:

CODE NO	ITEM	UNIT	TOTAL QUANTITY
44200525	CLASS A PATCHES, TYPE I, 8"	SQ. YD.	64.0
44200529	CLASS A PATCHES, TYPE II, 8"	SQ. YD.	234.0
44200533	CLASS A PATCHES, TYPE III, 8"	SQ. YD.	212.0
44200535	CLASS A PATCHES, TYPE IV, 8"	SQ. YD.	552.0
44213000	PATCHING REINFORCEMENT	SQ. YD.	1,062.0
44213200	SAW CUTS	FOOT	4,613.0
67100100	MOBILIZATION	L. SUM	1.0
70100305	TRAFFIC CONTROL & PROTECTION STANDARD 701400	L. SUM	1.0
70100420	TRAFFIC CONTROL & PROTECTION STANDARD 701411	EACH	6.0
70100800	TRAFFIC CONTROL & PROTECTION STANDARD 701401	L. SUM	1.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL. DAY	28.0
Z0075300	TIE BARS	EACH	482.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	*	MACON	6	3

CONTRACT NO. 70452  
 • D-5 ANNUAL PATCHING 2005-1

MACON COUNTY  
 URBAN MULTI-LANE  
 100% STATE  
 J000

TOTAL QUANTITY

##DATE##

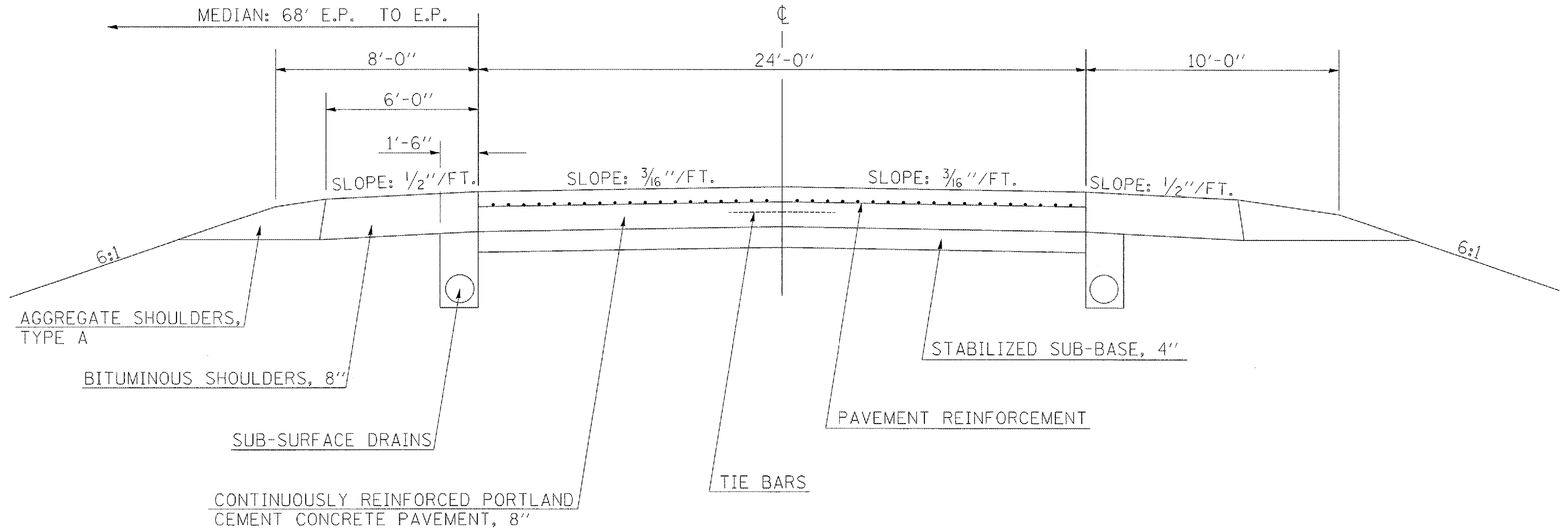
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	*	MACON	6	4

CONTRACT NO. 70452  
• D-5 ANNUAL PATCHING 2005-1

# EXISTING TYPICAL CROSS SECTION

U.S. 51

STATION 120+00 TO STATION 370+00



# PATCHING SCHEDULE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	*	MACON	6	5

CONTRACT NO. 70452  
• D-5 ANNUAL PATCHING 2005-1

US-51 NORTHBOUND			TABULATION OF CLASS A PAVEMENT PATCHING									
STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	DEPTH (in)	PATCH AREA				SAW CUTS 44213200 (ft)	TIE BARS Z0075300 (Each)	PATCHING REINFORCEMENT 44213000 (sq. yd)
						TYPE I (sq. yd)	TYPE II (sq. yd)	TYPE III (sq. yd)	TYPE IV (sq. yd)			
141+20	NB	DL	4.5	12	8	0.0	6.0	0.0	0.0	57.0	0	6.0
145+88	NB	DL	6	12	8	0.0	8.0	0.0	0.0	60.0	0	8.0
194+50	NB	DL	12	12	8	0.0	0.0	16.0	0.0	72.0	0	16.0
209+50	NB	DL	30	6	8	0.0	0.0	20.0	0.0	84.0	15	20.0
214+60	NB	DL	34	6	8	0.0	0.0	22.7	0.0	92.0	17	22.7
215+50	NB	DL	25	6	8	0.0	0.0	16.7	0.0	74.0	13	16.7
215+95	NB	DL	20	6	8	0.0	13.3	0.0	0.0	64.0	10	13.3
227+70	NB	DL	12	6	8	0.0	8.0	0.0	0.0	48.0	0	8.0
229+75	NB	DL	40	12	8	0.0	0.0	0.0	53.3	128.0	20	53.3
238+95	NB	DL	100	6	8	0.0	0.0	0.0	66.7	224.0	50	66.7
279+50	NB	DL	6	12	8	0.0	8.0	0.0	0.0	60.0	0	8.0
287+20	NB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
297+00	NB	DL	10	12	8	0.0	13.3	0.0	0.0	68.0	0	13.3
322+95	NB	DL	10	6	8	0.0	6.7	0.0	0.0	44.0	0	6.7
324+86	NB	DL	8	6	8	0.0	5.3	0.0	0.0	40.0	0	5.3
326+80	NB	DL	60	12	8	0.0	0.0	0.0	80.0	168.0	30	80.0
338+10	NB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
342+10	NB	DL	12	6	8	0.0	8.0	0.0	0.0	48.0	0	8.0
358+00	NB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
369+65	NB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
369+80	NB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
NORTHBOUND TOTALS						20.0 (sq. yd)	76.7 (sq. yd)	75.3 (sq. yd)	200.0 (sq. yd)	1,511.0 (ft)	155.0 (Each)	372.0 (sq. yd)

### PATCHING SCHEDULE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	*	MACON	6	6

US-51 SOUTHBOUND

TABULATION OF CLASS A PAVEMENT PATCHING

CONTRACT NO. 70452  
D-5 ANNUAL PATCHING 2005-1

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	DEPTH (in)	PATCH AREA				SAW CUTS 44213200 (ft)	TIE BARS Z0075300 (Each)	PATCHING REINFORCEMENT 44213000 (sq. yd)
						TYPE I (sq. yd)	TYPE II (sq. yd)	TYPE III (sq. yd)	TYPE IV (sq. yd)			
122+70	SB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
123+50	SB	DL	12	6	8	0.0	8.0	0.0	0.0	48.0	0	8.0
124+00	SB	DL	6	12	8	0.0	8.0	0.0	0.0	60.0	0	8.0
153+55	SB	DL	10	6	8	0.0	6.7	0.0	0.0	44.0	0	6.7
160+75	SB	DL	12	6	8	0.0	8.0	0.0	0.0	48.0	0	8.0
173+40	SB	DL	36	6	8	0.0	0.0	24.0	0.0	96.0	18	24.0
174+85	SB	DL	10	12	8	0.0	13.3	0.0	0.0	68.0	0	13.3
175+00	SB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
183+20	SB	DL	8	12	8	0.0	10.7	0.0	0.0	64.0	0	10.7
210+75	SB	DL	10	12	8	0.0	13.3	0.0	0.0	68.0	0	13.3
212+00	SB	DL	8	12	8	0.0	10.7	0.0	0.0	64.0	0	10.7
215+76	SB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
225+00	SB	DL	38	6	8	0.0	0.0	0.0	25.3	100.0	19	25.3
225+88	SB	DL	42	6	8	0.0	0.0	0.0	28.0	108.0	21	28.0
228+70	SB	DL	245	6	8	0.0	0.0	0.0	163.3	514.0	123	163.3
239+00	SB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
239+95	SB	DL	12	12	8	0.0	0.0	16.0	0.0	72.0	0	16.0
263+30	SB	DL	12	12	8	0.0	0.0	16.0	0.0	72.0	0	16.0
282+15	SB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
289+15	SB	DL	13	6	8	0.0	8.7	0.0	0.0	50.0	0	8.7
296+83	SB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
297+00	SB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
301+75	SB	DL	30	6	8	0.0	0.0	20.0	0.0	84.0	15	20.0
302+00	SB	DL	17	12	8	0.0	0.0	22.7	0.0	82.0	0	22.7
308+08	SB	DL	12	6	8	0.0	8.0	0.0	0.0	48.0	0	8.0
310+33	SB	DL	27	6	8	0.0	0.0	18.0	0.0	78.0	14	18.0
310+68	SB	DL	16	6	8	0.0	10.7	0.0	0.0	56.0	0	10.7
349+35	SB	DL	10	6	8	0.0	6.7	0.0	0.0	44.0	0	6.7
351+80	SB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
352+05	SB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
353+00	SB	DL	100	6	8	0.0	0.0	0.0	66.7	224.0	50	66.7
356+00	SB	DL	65	6	8	0.0	0.0	0.0	43.3	154.0	33	43.3
356+70	SB	DL	17	6	8	0.0	11.3	0.0	0.0	58.0	0	11.3
357+04	SB	DL	10	6	8	0.0	6.7	0.0	0.0	44.0	0	6.7
357+61	SB	DL	10	6	8	0.0	6.7	0.0	0.0	44.0	0	6.7
359+45	SB	DL	38	6	8	0.0	0.0	0.0	25.3	100.0	19	25.3
360+00	SB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
360+25	SB	DL	29	6	8	0.0	0.0	19.3	0.0	82.0	15	19.3
361+59	SB	DL	8	6	8	0.0	5.3	0.0	0.0	40.0	0	5.3
362+53	SB	DL	12	6	8	0.0	8.0	0.0	0.0	48.0	0	8.0
363+18	SB	DL	10	6	8	0.0	6.7	0.0	0.0	44.0	0	6.7
363+48	SB	DL	6	6	8	4.0	0.0	0.0	0.0	36.0	0	4.0
<b>SOUTHBOUND TOTALS</b>						44.0 (sq. yd)	157.3 (sq. yd)	136.0 (sq. yd)	352.0 (sq. yd)	3102.0 (ft)	327.0 (Each)	689.3 (sq. yd)

<b>FINAL TOTALS</b>	64.0 (sq. yd)	234.0 (sq. yd)	211.3 (sq. yd)	552.0 (sq. yd)	4613.0 (ft)	482.0 (Each)	1061.3 (sq. yd)
---------------------	------------------	-------------------	-------------------	-------------------	----------------	-----------------	--------------------