

06-13-14 LETTING ITEM 212

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PROPOSED  
HIGHWAY PLANS  
SURFACE TRANSPORTATION URBAN  
FAU ROUTE 7614  
SECTION 13-00109-00-RS  
PROJECT M-5013(018)  
COLES COUNTY  
C-97-036-14

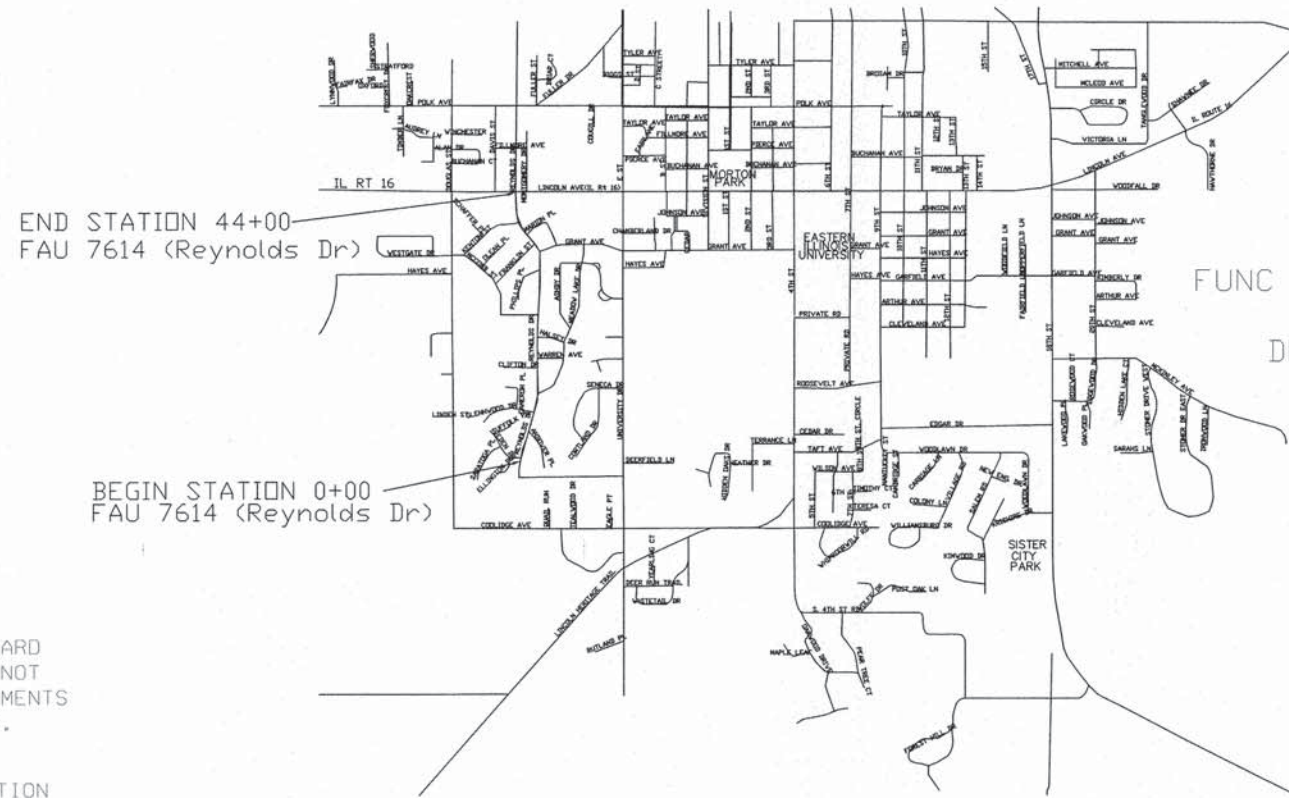
INDEX OF SHEETS

- 1. COVER
- 2. SUMMARY OF QUANTITIES
- 3. MIXTURE REQUIREMENTS, BUTT JOINT DETAIL
- 4.-5. TYPICAL CROSS SECTIONS
- 6. SCHEDULE OF QUANTITIES



LIST OF STANDARDS

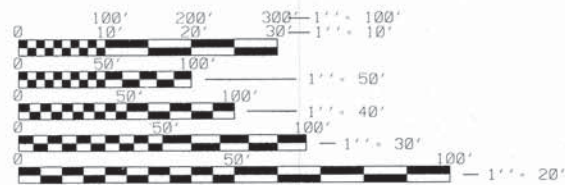
- 701301-04
- 701311-03
- 701306-03
- 701901-03
- 780001-04
- 886006-01



FUNC CLASS - MINOR COLLECTOR  
ADT = 2450  
DESIGN SPEED = 30 MPH



*C. Buescher*  
 EXPIRES 11/30/2015  
 City of Charleston, IL  
 520 Jackson Avenue  
 Charleston, IL 61920



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

CONTRACT NO. 95737

Project Length = 4,400 feet (0.83 miles)

CITY OF CHARLESTON, IL	
APPROVED <i>4/24/14</i>	
<i>C. Buescher</i>	CITY OF CHARLESTON, PUBLIC WORKS DIRECTOR
PASSED <i>4/25/14</i>	
<i>M. Stewart</i>	DISTRICT 7 ENGINEER OF LOCAL ROADS & STREETS
	RELEASING FOR BID
	BASED ON LIMITED REVIEW
<i>4/25/14</i>	
<i>Roger L. Smith</i>	DEPUTY DIRECTOR OF HIGHWAYS, REGIONAL ENGINEER



# SUMMARY OF QUANTITIES

Code No.	Item	Unit	Total Quantity
40600100	Bituminous Materials (Prime Coat)	Gallon	1,980.0
40600300	Aggregate (Prime Coat)	Ton	40.0
40600990	Temporary Ramp	Sq. Yd.	34.0
40600635	Leveling Binder (Machine Method), N70	Ton	1,109.0
40600982	Hot-Mix Asphalt Surface Removal - Butt Joint	Sq. Yd.	128.0
40603315	Hot-Mix Asphalt Surface Course, Mix "C", N70	Ton	1,663.0
X4401198	Hot-Mix Asphalt Surface Removal, Variable Depth	Sq. Yd.	6,356.0
56109210	Water Valves To Be Adjusted	Each	3.0
60255500	Manholes to be Adjusted	Each	2.0
67100100	Mobilization	L. Sum	1.0
70100460	Traffic Control And Protection, Standard 701306	L. Sum	1.0
70300100	Short - Term Pavement Marking	Foot	880.0
* 78000100	Thermoplastic Pavement Marking - Letters And Symbols	Sq. Ft.	83.0
* 78000200	Thermoplastic Pavement Marking - Line 4"	Foot	10,060.0
* 78000400	Thermoplastic Pavement Marking - Line 6"	Foot	320.0
* 78000650	Thermoplastic Pavement Marking - Line 24"	Foot	30.0
* 88600100	Detector Loop, Type 1	Foot	196.0

\* SPECIALTY ITEMS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
13-00109-00-RS	COLES	6	3

## MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

### Level Binder (1") - Reynolds Drive

Application: Hot-Mix Asphalt Binder Course, Mix "C" N70

PG Grade: PG 64-22

Design Air Voids: 4.0% @ Ndesign = 70

Mixture Composition: IL-9.5

Friction Aggregate: Mixture C

### Surface Course (1 1/2") - Reynolds Drive

Application: Hot-Mix Asphalt Surface Course, Mix "C" N70

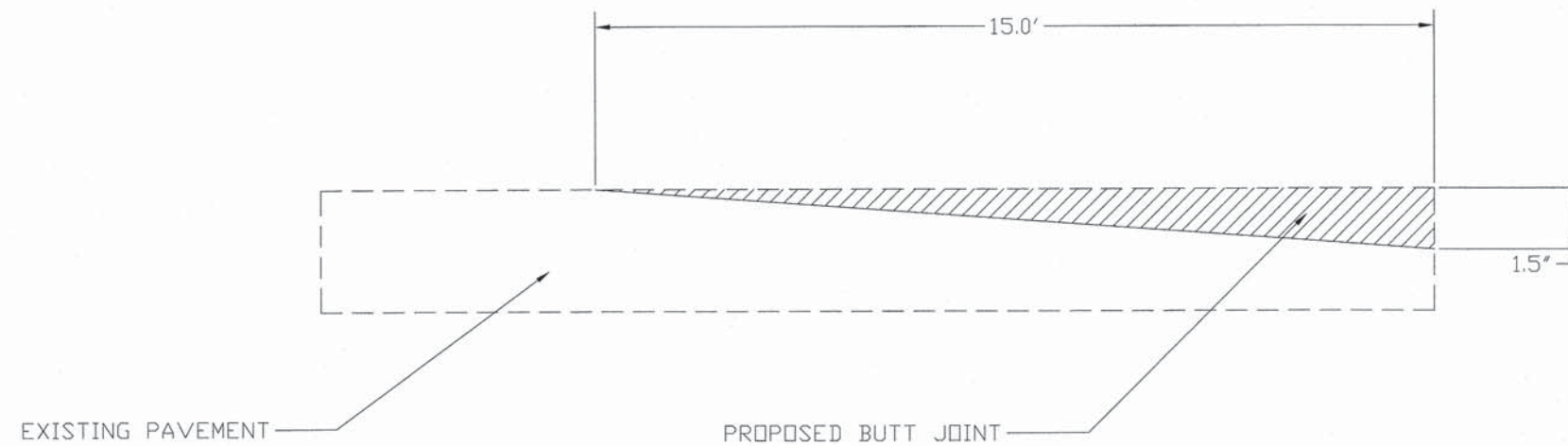
PG Grade: PG 64-22

Design Air Voids: 4.0% @ Ndesign = 70

Mixture Composition: IL-9.5

Friction Aggregate: Mixture D

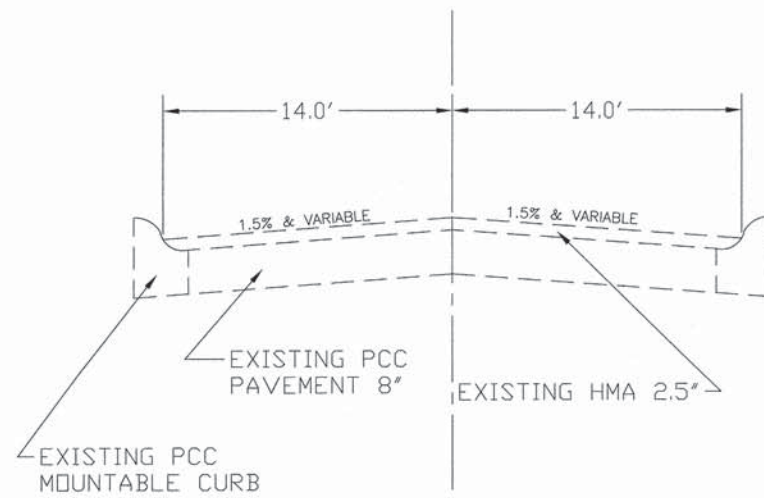
## BUTT JOINT DETAIL



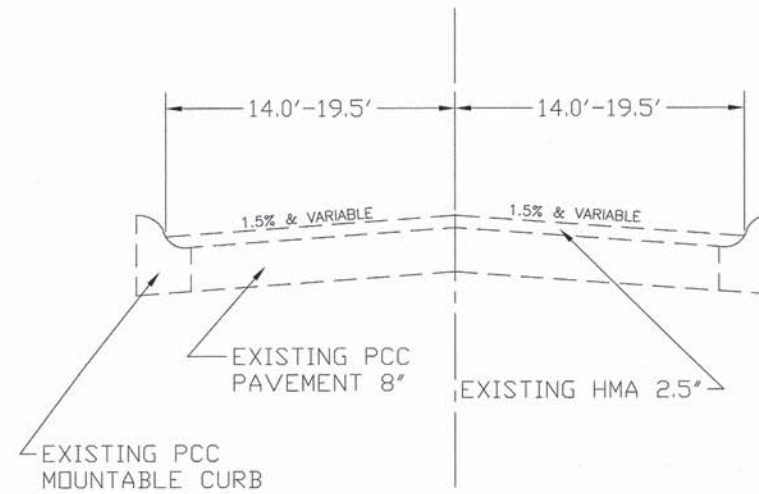


# REYNOLDS DRIVE EXISTING AND PROPOSED TYPICAL CROSS SECTIONS

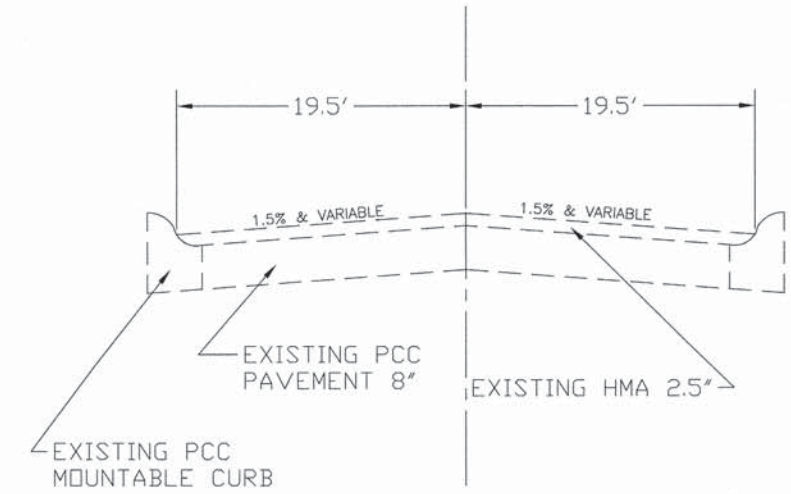
EXISTING TYPICAL SECTION  
STATION 0+00 TO 2+49



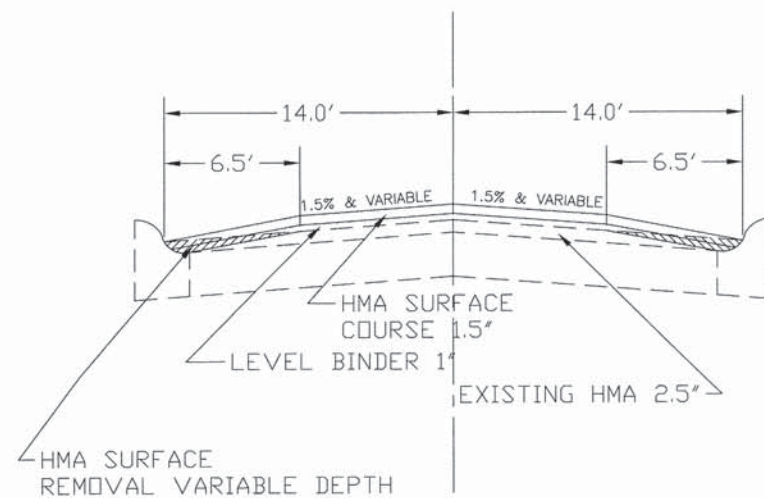
EXISTING TYPICAL SECTION  
STATION 2+49 TO 3+66



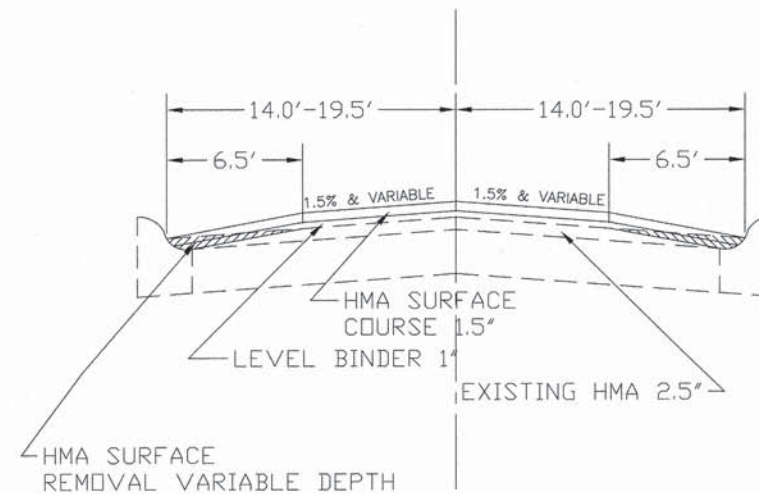
EXISTING TYPICAL SECTION  
STATION 3+66 TO 33+00



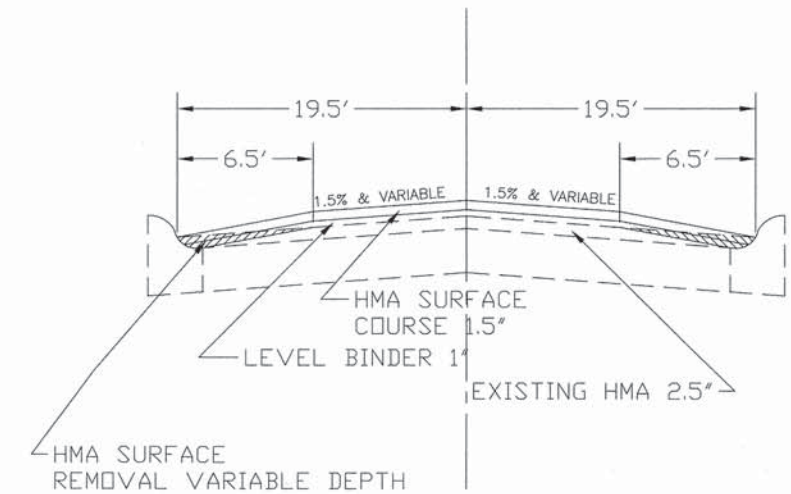
PROPOSED TYPICAL SECTION  
STATION 0+00 TO 2+49



PROPOSED TYPICAL SECTION  
STATION 2+49 TO 3+66

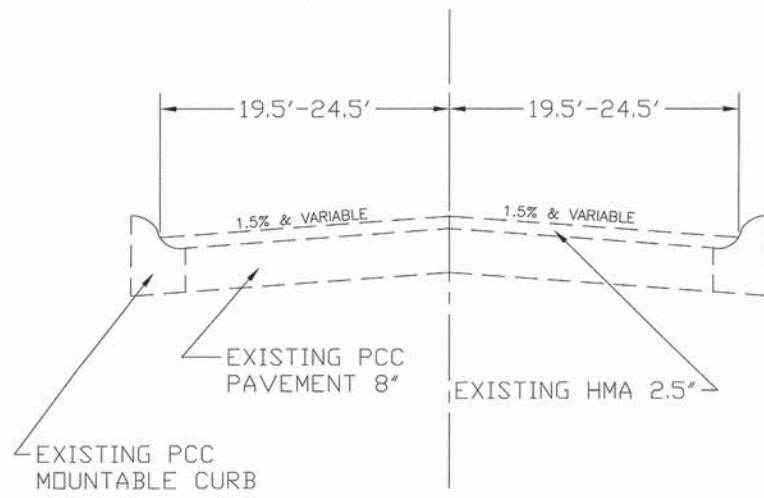


PROPOSED TYPICAL SECTION  
STATION 3+66 TO 33+00

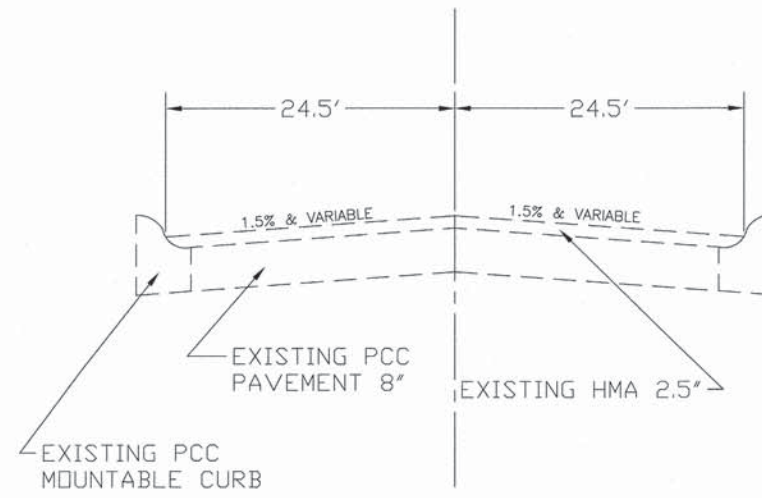


# REYNOLDS DRIVE EXISTING AND PROPOSED TYPICAL CROSS SECTIONS

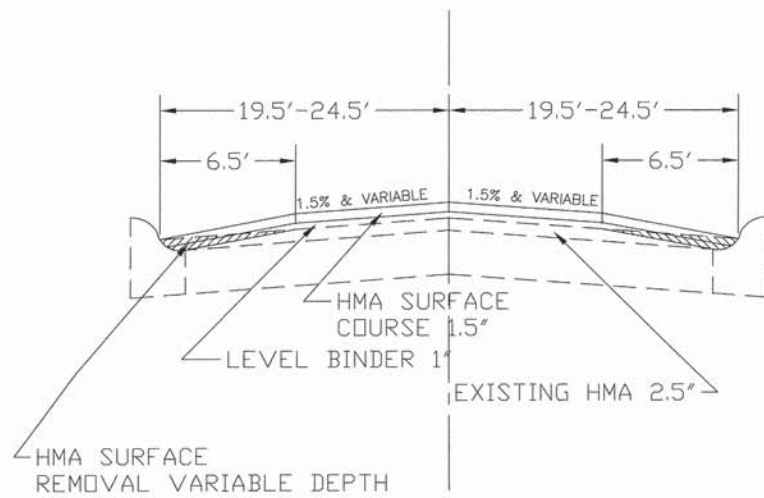
EXISTING TYPICAL SECTION  
STATION 33+00 TO 35+00



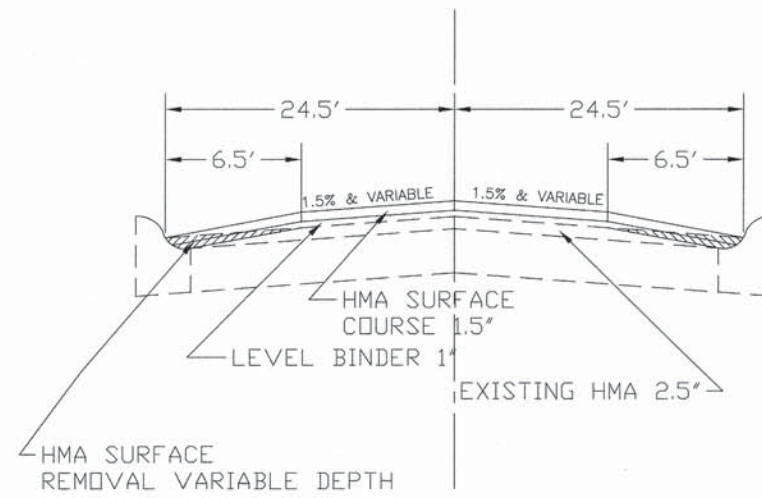
EXISTING TYPICAL SECTION  
STATION 35+00 TO 44+00



PROPOSED TYPICAL SECTION  
STATION 33+00 TO 35+00



PROPOSED TYPICAL SECTION  
STATION 35+00 TO 44+00





<u>56109210</u> WATER VALVES TO BE ADJUSTED			<u>40600982</u> HMA REMOVAL BUTT-JOINT			<u>78000650</u> THERMO PVMT MARK LINE 24"			
STATION	OFFSET	QUANTITY	STATION			STATION			
15+96	14' Lt	1	0+00 to 0+15	47.7		43+75	Stopbar	30.0	
43+96	18' Rt	1	43+85 to 44+00	80.6		<b>TOTAL</b>		<b>30.0 Ft</b>	
43+97	17' Rt	1	<b>TOTAL</b>		<b>128.3 Sq Yd</b>				
<b>TOTAL</b>		<b>3 Each</b>							
<u>60255500</u> MANHOLES TO BE ADJUSTED			<u>78000200</u> THERMO PVMT MARK LINE 4"			<u>78000100</u> THERMO PVMT LETTERS AND SYMBOLS			
STATION	OFFSET	QUANTITY	STATION			STATION			
0+66	10' Lt	1	0+00 - 44+00 Skip Dash	1100.0		6' Rt 43+01	Lt Combo	26.0	
41+85	0' Rt	1	0+00 - 44+00 Parking Lanes	8800.0		18' Rt 43+01	Rt Turn	15.6	
<b>TOTAL</b>		<b>2 Each</b>	43+80 - 44+00 Turn Lanes	160.0		6' Rt 43+51	Lt Combo	26.0	
			<b>TOTAL</b>		<b>10060.0 Ft</b>	18 Rt 43+51	Rt Turn	15.6	
			<b>TOTAL</b>						<b>83.2 SF</b>
<u>44000198</u> HMA SURF REM VARIABLE DEPTH			<u>78000200</u> THERMO PVMT MARK LINE 6"						
STATION			STATION						
0+00 Lt to 44+00 Lt		3,177.8	21+20	Crosswalk	80.0				
0+00 Rt to 44+00 Rt		3,177.8	43+80	Crosswalk	240.0				
<b>TOTAL</b>		<b>6,355.6 Sq Yd</b>	<b>TOTAL</b>		<b>320.0 Ft</b>				