

03-06-2015 LETTING ITEM 210

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS
SURFACE TRANSPORTATION URBAN
FAU ROUTES 7642, 7643
SECTION 12-00104-00-RS
PROJECT M-5013(019)
COLES COUNTY
C-97-030-13

CITY OF CHARLESTON

INDEX OF SHEETS

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

LIST OF STANDARDS

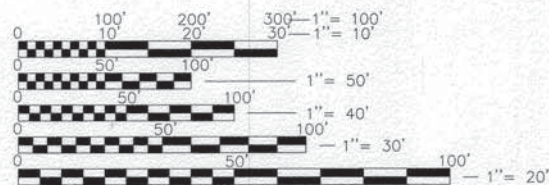
- 701301-04
- 701311-03
- 701501-06
- 701901-04
- 780001-05



END STATION 24+80
FAU 7642 (Division St)

BEGIN STATION 0+00
FAU 7642 (Division St)

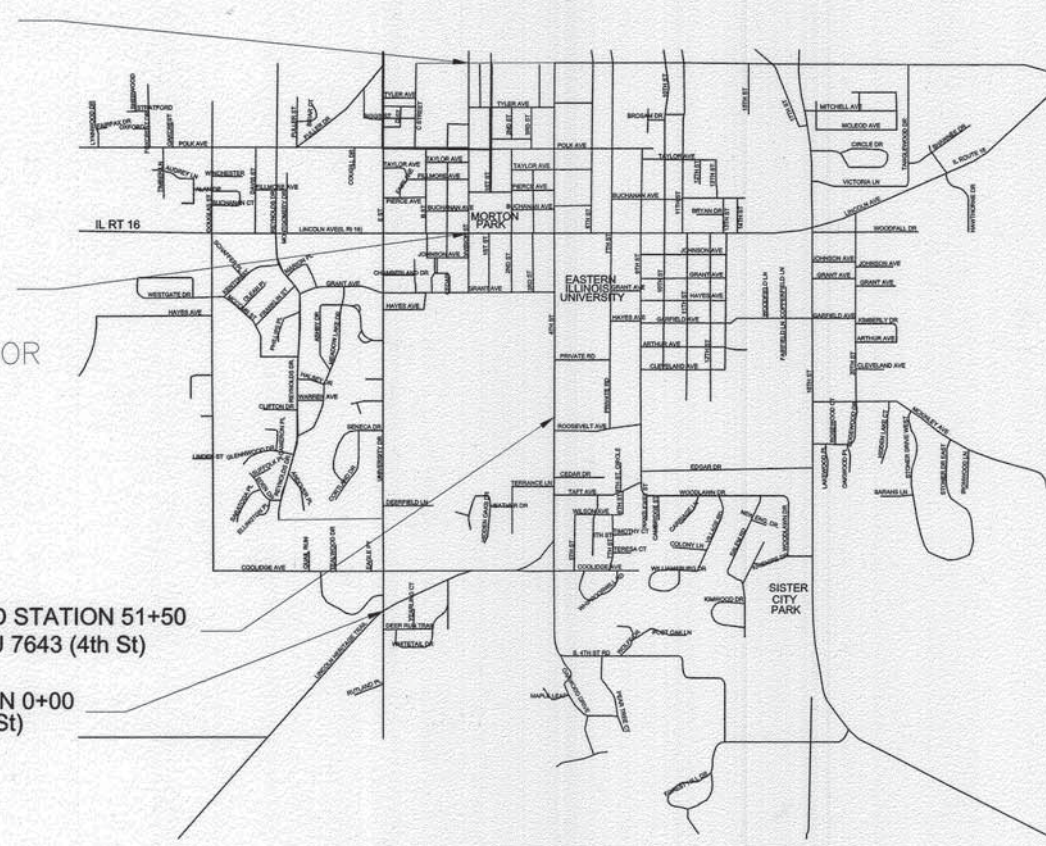
FUNC CLASS - DIVISION - MAJOR COLLECTOR
4TH - MINOR ARTERIAL
ADT = 3450
DESIGN SPEED = 30 MPH



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

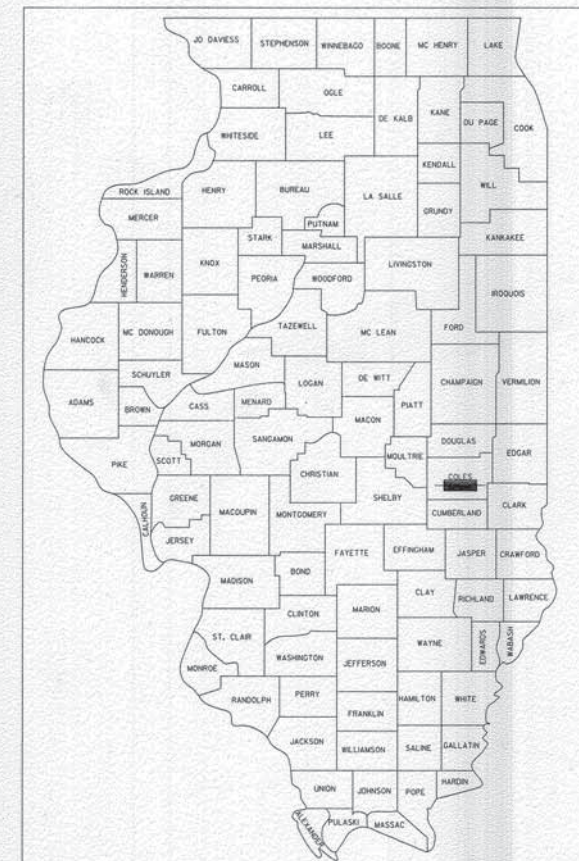
CONTRACT NO. 95754



END STATION 51+50
FAU 7643 (4th St)

BEGIN STATION 0+00
FAU 7643 (4th St)

Project Length = 7,630 feet (1.45 miles)



LOCATION OF SECTION INDICATED THUS: -



C.J. Buescher

EXPIRES 11/30/2015
City of Charleston, IL
520 Jackson Avenue
Charleston, IL 61920

CITY OF CHARLESTON, IL

Approved 1/7/15

C.J. Buescher
CITY OF CHARLESTON, PUBLIC WORKS DIRECTOR

Passed 1-14-15

Maverick East
DISTRICT 7 ENGINEER OF LOCAL ROADS & STREETS
Releasing for Bid
Based on Limited
Review 1-14-15

Roger Bushnell
DEPUTY DIRECTOR OF HIGHWAYS, REGION 4 ENGINEER

SUMMARY OF QUANTITIES

Code No.	Item	Unit	Total Quantity																	
40600275	Bituminous Materials (Prime Coat)	Pound	37,280																	
40600990	Temporary Ramp	Sq. Yd.	79																	
40600635	Leveling Binder (Machine Method), N70	Ton	1,641																	
40600982	Hot-Mix Asphalt Surface Removal - Butt Joint	Sq. Yd.	413																	
40603315	Hot-Mix Asphalt Surface Course, Mix "C", N70	Ton	2,462																	
40800025	Bituminous Materials (Prime Coat)	Pound	986																	
40800050	Incidental Hot-Mix Asphalt Surfacing	Ton	120.0																	
48102100	Aggregate Wedge Shoulder, Type B	Ton	98																	
56109210	Water Valves To Be Adjusted	Each	10.0																	
60255500	Manholes to be Adjusted	Each	26.0																	
67100100	Mobilization	L. Sum	1.0																	
70102620	Traffic Control And Protection, Standard 701501	L. Sum	1.0																	
70300100	Short Term Pavement Marking	Foot	1,526.0																	
Δ 78000100	Thermoplastic Pavement Marking - Letters And Symbols	Sq. Ft.	54																	
Δ 78000200	Thermoplastic Pavement Marking - Line 4"	Foot	2,510.0																	
Δ 78000650	Thermoplastic Pavement Marking - Line 24"	Foot	50.0																	
X4406250	Partial Depth Removal, Type II, 5"	Sq. Yd.	1,841																	
X4421000	Parial Depth Patching	Ton	515																	

Δ Specialty Items

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Level Binder (1") -4th St. & Division St

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") - 4th St. & Division St

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

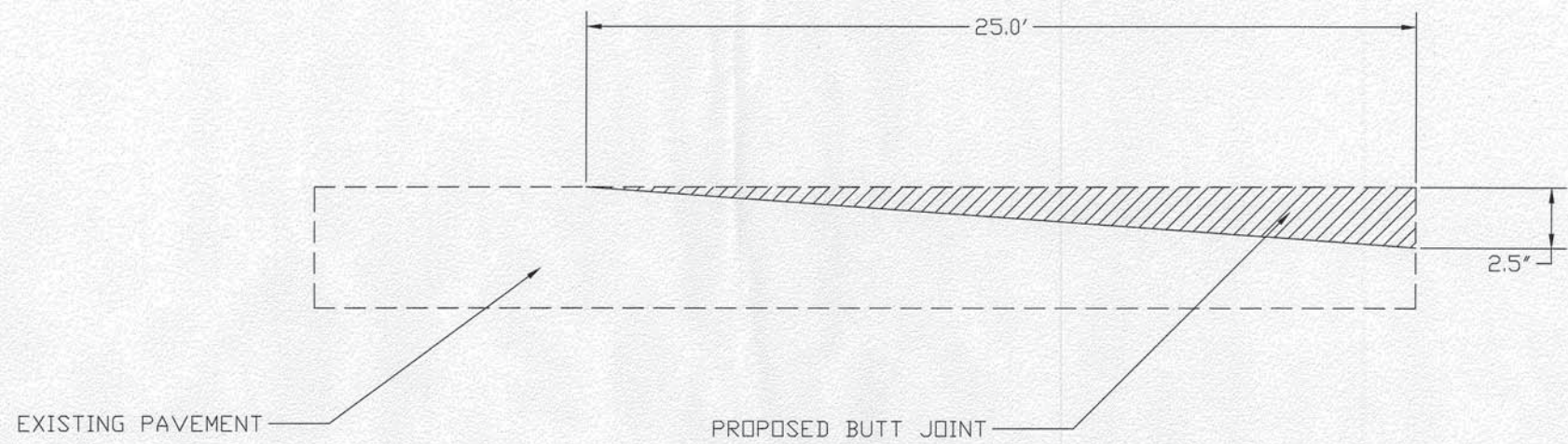
PG Grade: PG 64-22

Design Air Voids: 4.0% @ Ndesign = 70

Mixture Composition: IL-9.5

Friction Aggregate: Mixture D

BUTT JOINT DETAIL



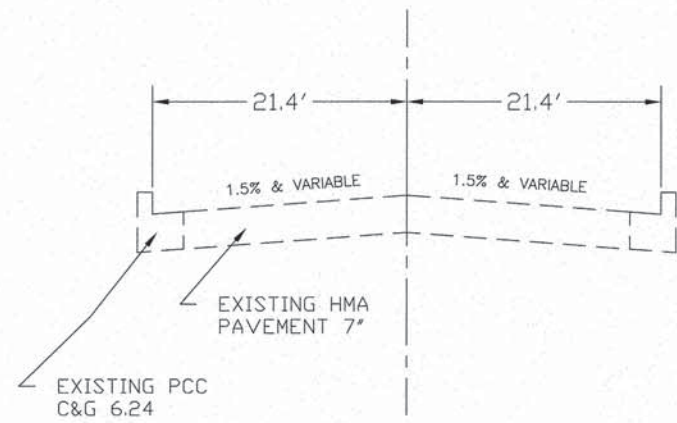
CONTRACT NO. 95754			
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12-00104-00-RS	COLES	6	4

DIVISION ST (FAU 7642)

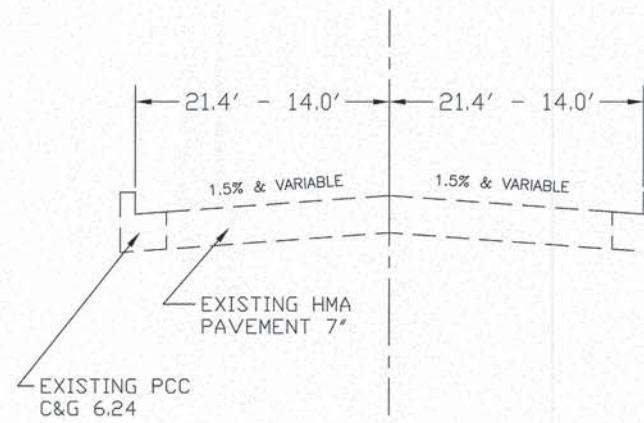
EXISTING AND PROPOSED

TYPICAL CROSS SECTIONS

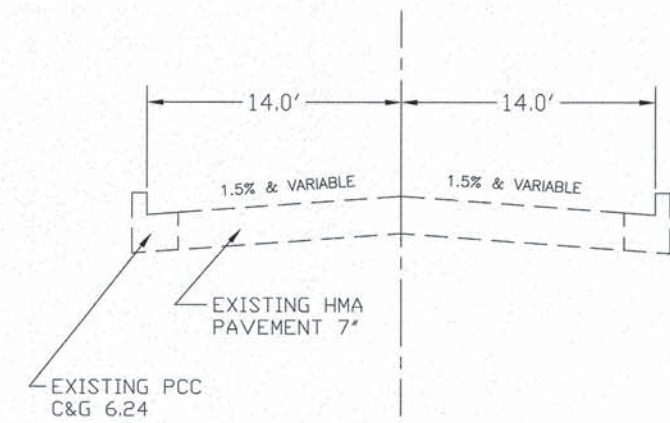
EXISTING TYPICAL SECTION
STATION 0+00 TO 4+56



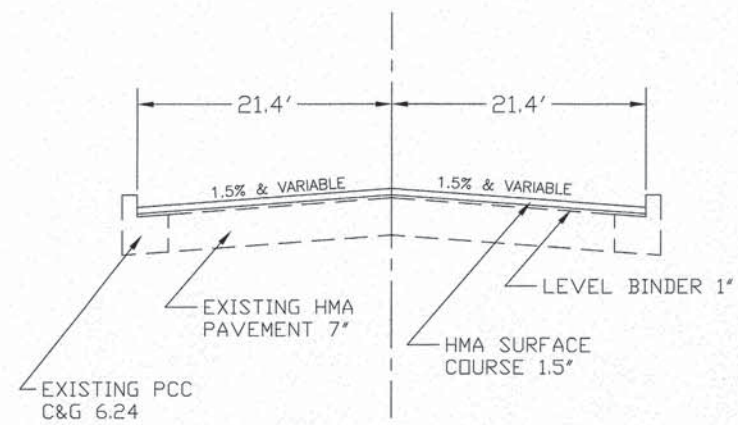
EXISTING TYPICAL SECTION
STATION 4+56 TO 5+31



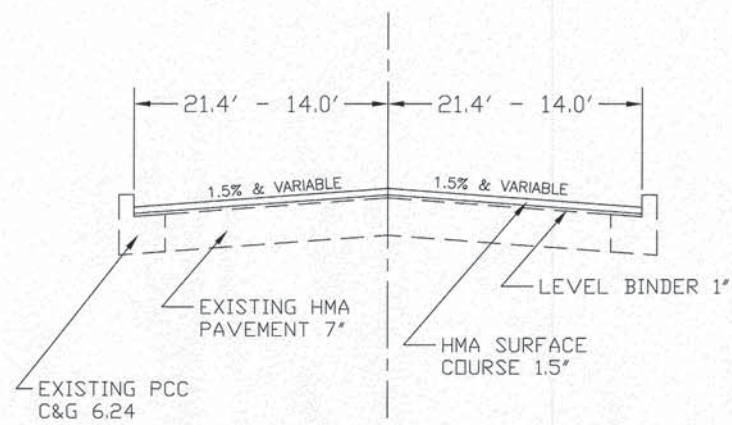
EXISTING TYPICAL SECTION
STATION 5+31 TO 24+80



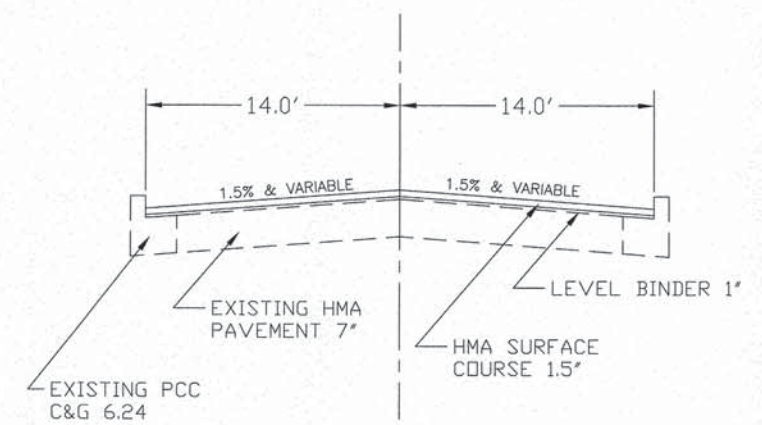
PROPOSED TYPICAL SECTION
STATION 0+00 TO 4+56



PROPOSED TYPICAL SECTION
STATION 4+56 TO 5+31



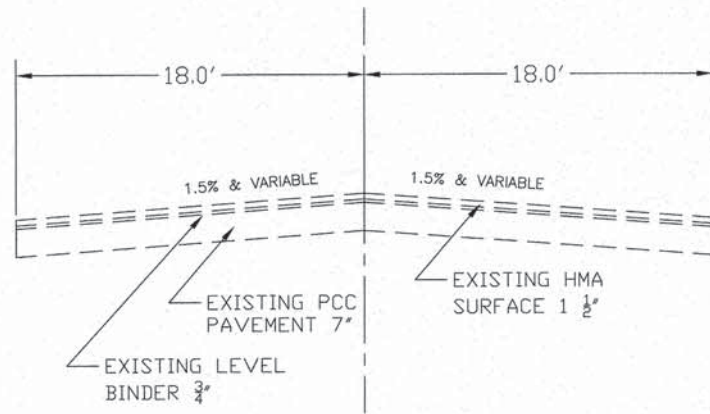
PROPOSED TYPICAL SECTION
STATION 5+31 TO 24+80



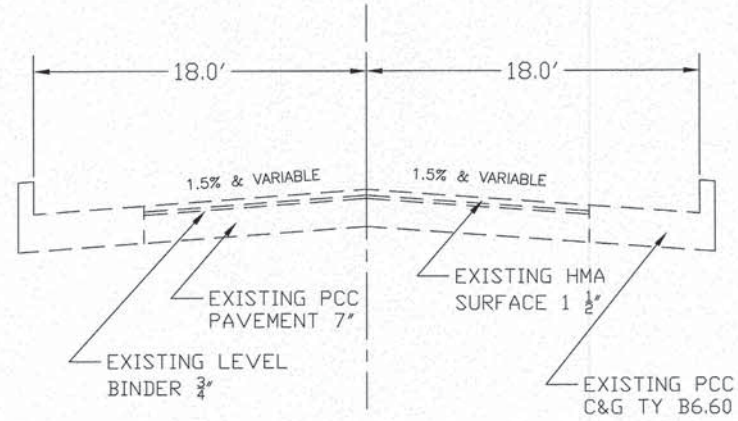
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12-00104-00-RS	COLES	14	5

4TH ST (FAU 7643) EXISTING AND PROPOSED TYPICAL CROSS SECTIONS

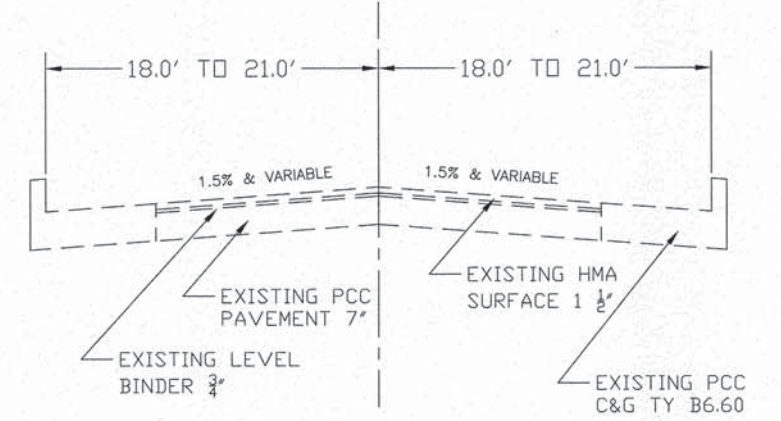
EXISTING TYPICAL SECTION
STATION 0+00 TO 32+23



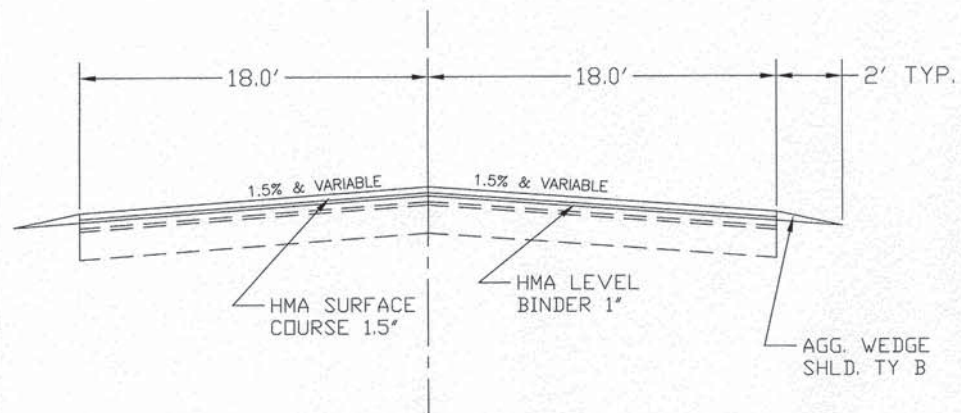
EXISTING TYPICAL SECTION
STATION 32+23 TO 45+76



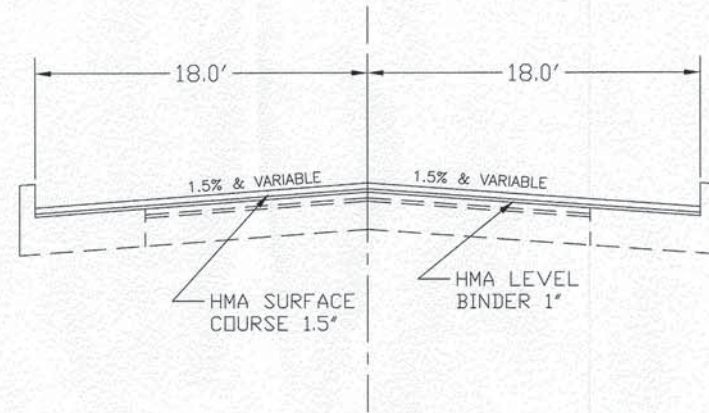
EXISTING TYPICAL SECTION
STATION 45+76 TO 51+50



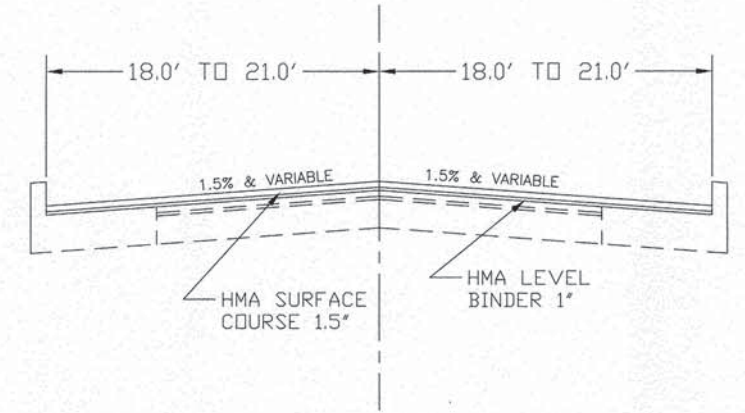
PROPOSED TYPICAL SECTION
STATION 0+00 TO 32+23



PROPOSED TYPICAL SECTION
STATION 32+23 TO 45+76



PROPOSED TYPICAL SECTION
STATION 45+76 TO 51+50



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12-00104-00-RS	COLES	6	6

40800050 INCIDENTAL HOT-MIX ASPHALT SURFACING

	LOCATION	QUANTITY (TON)
4TH st.	Lt 0+38.8 University South	8
	Rt 0+77.7 University North	8
	Rt 13+60.1 Fawn Hallow Drive	3
	Rt 15+34.9 PE	2
	Lt 15+93.2 Coolidge West	8
	Rt 17+51.9 PE	2
	Rt 19+68.8 PE	2
	Lt 19+80.4 PE	2
	Lt 21+74.0 PE	2
	Lt 22+59.2 PE	2
	Rt 24+25.8 Coolidge East	8
	Lt 28+79.0 PE	5
	Lt 30+16.8 PE	5
	Rt 30+78.4 4th St	17
	Rt 37+85.5 Taft Ave.	8
	Rt 47+82.7 Roosevelt Dr.	8
Division St.	Lt 2+20.4 Buchanan Ave.	3
	Rt 4+81.2 Pierce St.	2
	Lt 7+16.2 Pierce St.	2
	Lt 8+63.2 Fillmore Ave.	2
	Lt 10+10.1 Taylor Ave.	2
	Rt 11+79.0 Polk Ave.	8
	Lt 12+23.1 Polk Ave.	8
	Rt 18+73.2 Tyler Ave	3
		120 Tons Total

WATER VALVES TO BE ADJUSTED				PARTIAL DEPTH PATCHING				
56109210				X4406250				
STATION	OFFSET	QUANTITY		STATION	LENGTH(ft)	WIDTH(ft)	AREA(sy)	
Division 2+43	21' Lt	1	4th Street	12+28	4.0	36.0	16.0	
Division 2+44	22' Lt	1		12+58	4.0	36.0	16.0	
Division 12+27	18' Lt	1		12+82	4.0	36.0	16.0	
Division 12+30	21' Lt	1		12+98	4.0	36.0	16.0	
4th 34+76	18' Rt	1		13+34	4.0	36.0	16.0	
4th 43+98	16' Rt	1		13+50	4.0	36.0	16.0	
4th 48+84	16' Rt	1		13+84	4.0	36.0	16.0	
4th 49+05	14' Rt	1		14+17	4.0	36.0	16.0	
4th 49+11	12' Lt	1		14+51	4.0	36.0	16.0	
4th 49+19	12' Lt	1		14+80	4.0	36.0	16.0	
TOTAL			10 Each	14+97	4.0	36.0	16.0	
MANHOLES TO BE ADJUSTED				15+23	4.0	36.0	16.0	
60255500				15+51	4.0	36.0	16.0	
STATION	OFFSET	QUANTITY		15+91	4.0	36.0	16.0	
Division 4+03	6' Lt	1		16+35	4.0	36.0	16.0	
Division 4+17	9' Lt	1		16+74	4.0	36.0	16.0	
Division 7+27	4' Lt	1		16+85	4.0	36.0	16.0	
Division 7+54	0' Lt	1		17+22	4.0	36.0	16.0	
Division 10+02	3' Lt	1		17+47	4.0	36.0	16.0	
Division 11+65	2' Lt	1		17+79	4.0	36.0	16.0	
Division 11+88	22' Lt	1		18+13	4.0	36.0	16.0	
Division 15+90	0' Lt	1		18+45	4.0	36.0	16.0	
Division 15+99	3' Rt	1		18+97	4.0	36.0	16.0	
Division 17+19	2' Lt	1		19+28	4.0	36.0	16.0	
Division 18+38	3' Rt	1		19+56	4.0	36.0	16.0	
Division 20+89	1' Lt	1		19+72	4.0	36.0	16.0	
Division 21+13	4' Rt	1		20+14	4.0	36.0	16.0	
4th 39+20	16' Rt	1		20+39	4.0	36.0	16.0	
4th 40+84	16' Rt	1		20+48	4.0	36.0	16.0	
4th 42+64	16' Rt	1		21+04	4.0	36.0	16.0	
4th 42+96	16' Rt	1		21+40	4.0	36.0	16.0	
4th 43+50	10' Lt	1		21+70	4.0	36.0	16.0	
4th 44+60	14' Lt	1		21+84	4.0	36.0	16.0	
4th 45+34	10' Lt	1		22+02	4.0	36.0	16.0	
4th 47+80	16' Lt	1		22+64	4.0	36.0	16.0	
4th 48+22	18' Rt	1		23+11	4.0	36.0	16.0	
4th 48+80	16' Rt	1		23+34	4.0	36.0	16.0	
4th 49+00	12' Lt	1		23+61	4.0	36.0	16.0	
4th 49+00	16' Rt	1		23+98	4.0	36.0	16.0	
4th 49+11	16' Lt	1						
TOTAL			26 Each	TOTAL				1841.8 SQ YD
HMA REMOVAL BUTT-JOINT				40600982				
STATION		QUANTITY						
Division 0+00 to 0+15		71.3						
Division 24+65 to 24+80		46.7						
4th 0+00 to 0+15		60.0						
4th 51+35 to 51.50		60.0						
TOTAL			238.0 Sq Yd					