



500 West Big Beaver  
Troy, MI 48084  
troymi.gov



## CITY COUNCIL AGENDA ITEM

Date: October 16, 2020

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager  
Robert C. Maleszyk, Chief Financial Officer  
Lisa Burnham, Controller  
Kurt Bovensiepe, Public Works Director  
William J. Huotari, City Engineer

Subject: Request for Affirmation of Emergency Purchase- I-75 Segment 2 – Betterment 2 – PCO-049- Removal & Replacement of Existing Pavement – Coolidge Highway, South of Square Lake Road

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### History

City Council approved work associated with the extension of the right turn lane and associated widening of Coolidge Highway, south of Square Lake Road by Resolution #2020-09-129-J-5, September 14, 2020.

The widening work has started and during construction, staff reviewed the condition of the existing pavement on Coolidge that was not a part of the widening work. The condition of the existing pavement warrants removal and replacement at this time, as indicated in the included images. Removal and replacement of the existing pavement was not included in the original scope of Betterment 1.

The scope of construction and cost is detailed in PCO-049 City of Troy Coolidge Hwy Betterment 2. The most opportune time to complete this betterment is while construction continues on I-75 as traffic control and the ability to coordinate and work within the confines of the construction zone are available. In addition, removal and replacement of the existing pavement will complete the work in this area such that we would not need to go back to complete pavement repairs in the near future and impact Troy motorists an additional time.

The timeliness of approving this work was necessary to ensure there was no further disruption to emergency vehicle access to north bound Coolidge. If the replacement of this section was delayed until after the completion of the widening betterment it would have negatively impacted the response time of emergency vehicles traveling north on Coolidge. This is particularly important since Fire Station 6's most reasonable route to anything north of the Fire Station is Coolidge.

When complete, Coolidge Highway will provide for a full northbound to eastbound right turn lane; northbound through lane; full northbound to westbound left turn lane; and southbound through lane. In addition, a ten (10) foot wide concrete path on the east side of Coolidge is included as part of the betterments.



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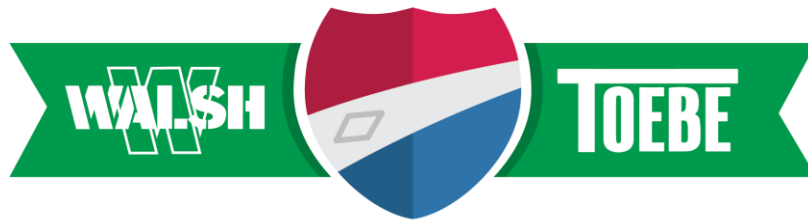
### Financial

PCO-049 provides the scope and cost for the removal and replacement work on Coolidge Highway under I-75. The cost for the work is \$190,747 and includes a credit of \$18,000 for irrigation work on Big Beaver that was impacted by the I75 construction. Funds are included in the Capital Projects Fund (Project # 2021C0038 / Account # 401.447.479.7989.500).

### Recommendation

It is recommended that City Council affirm the emergency expenditure detailed in PCO-049 City of Troy Coolidge Hwy Betterment 2, as submitted by Walsh/Toebe, for the removal and replacement of existing pavement on Coolidge Highway, south of Square Lake Road as part of the I-75 reconstruction project in the amount of \$190,747. In addition, we are requesting authorization to approve additional work, if needed, not to exceed 10% of the original cost due to unforeseen issues.





October 15, 2020

W/T JV-218099-173

Bill Huotari  
City of Troy Engineer  
[HuotariWJ@troymi.gov](mailto:HuotariWJ@troymi.gov)

**RE: MDOT Project 201437 | I-75 Segment 2**  
PCO-049 City of Troy Coolidge Hwy Betterment 2

Dear Mr. Bovensiep,

Walsh/Toebe JV (W/T) respectfully submits this Potential Change Order (PCO) per Book 1, Section 13.4.1.2(a) and Book 2, Section 6.3.4 to design betterments to the project from a request made by the City of Troy on October 12, 2020.

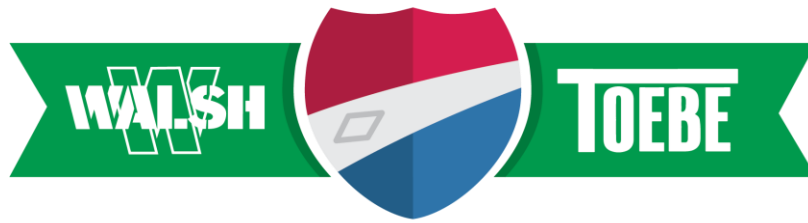
Accordingly, W/T respectfully requests compensation from MDOT in accordance with Book 1, Section 13:

ITEM	DESCRIPTION	QTY	UOM	UNIT \$	AMOUNT
245-001	COOLIDGE PAVEMENT REMOVE & REPLACE	1	LS	\$208,747.00	\$208,747.00
245-002	CREDIT FOR SPRINKLER REPLACEMENT ON BIG BEAVER	1	LS	-\$18,000.00	-\$18,000.00
<b>TOTAL AMOUNT</b>					<b>\$190,747.00</b>

A brief description of what the pricing includes:

**COOLIDGE PAVEMENT REMOVE AND REPLACE**

- Remove and dispose existing pavement on Coolidge from 98+25 – 101+11
- Furnish & install new 10" pavement on Coolidge at the same horizontal and vertical alignment
- Fine grade existing subbase. No work is planned below the existing subbase within the limits
- Cure and protect the concrete pavement in accordance with MDOT Specifications
- Seal pavement joints



- Credit to the City of Troy for irrigation system removals to perform contract work on Big Beaver.

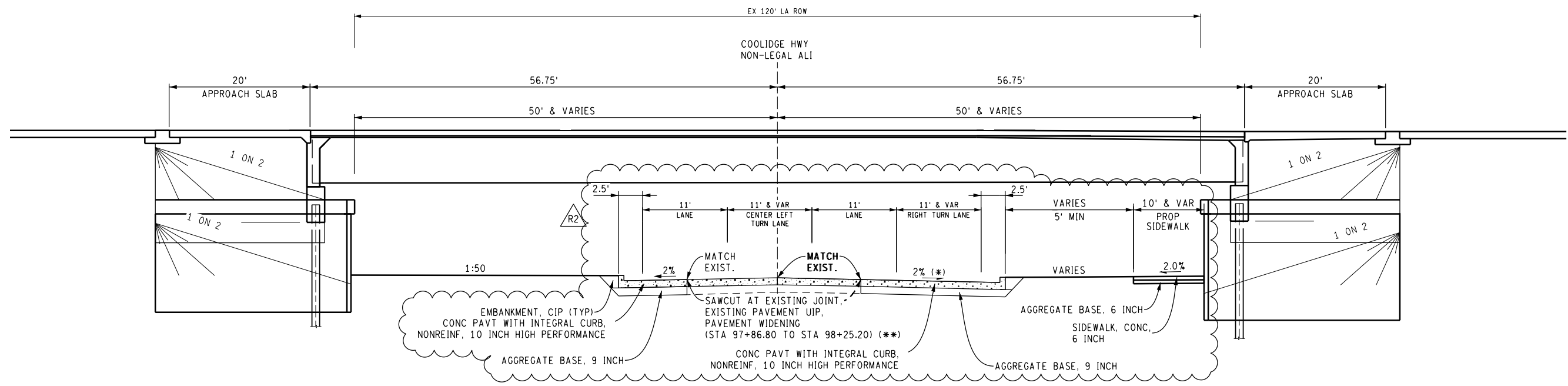
Please review the proposed pricing and feel free to contact me with any questions at (317) 538-8549. A response by end of business on October 16, 2020 would be appreciated so our current contract work on Coolidge Highway is not delayed. If pricing is accepted W/T would not be responsible for any repairs to the City of Troy irrigation system on Big Beaver Road.

Respectfully,  
**Walsh/Toebe Joint Venture**

A handwritten signature in blue ink, appearing to read 'Pete Jerrell', is written over the typed name.

Pete Jerrell  
Project Manager

Attachments: 1 – Revised construction plans



EMBANKMENT, CIP (TYP)  
 CONC PAVT WITH INTEGRAL CURB,  
 NONREINF, 10 INCH HIGH PERFORMANCE  
 AGGREGATE BASE, 9 INCH

MATCH EXIST.  
 SAWCUT AT EXISTING JOINT,  
 EXISTING PAVEMENT UIP,  
 PAVEMENT WIDENING  
 (STA 97+86.80 TO STA 98+25.20) (\*\*)

CONC PAVT WITH INTEGRAL CURB,  
 NONREINF, 10 INCH HIGH PERFORMANCE  
 AGGREGATE BASE, 9 INCH

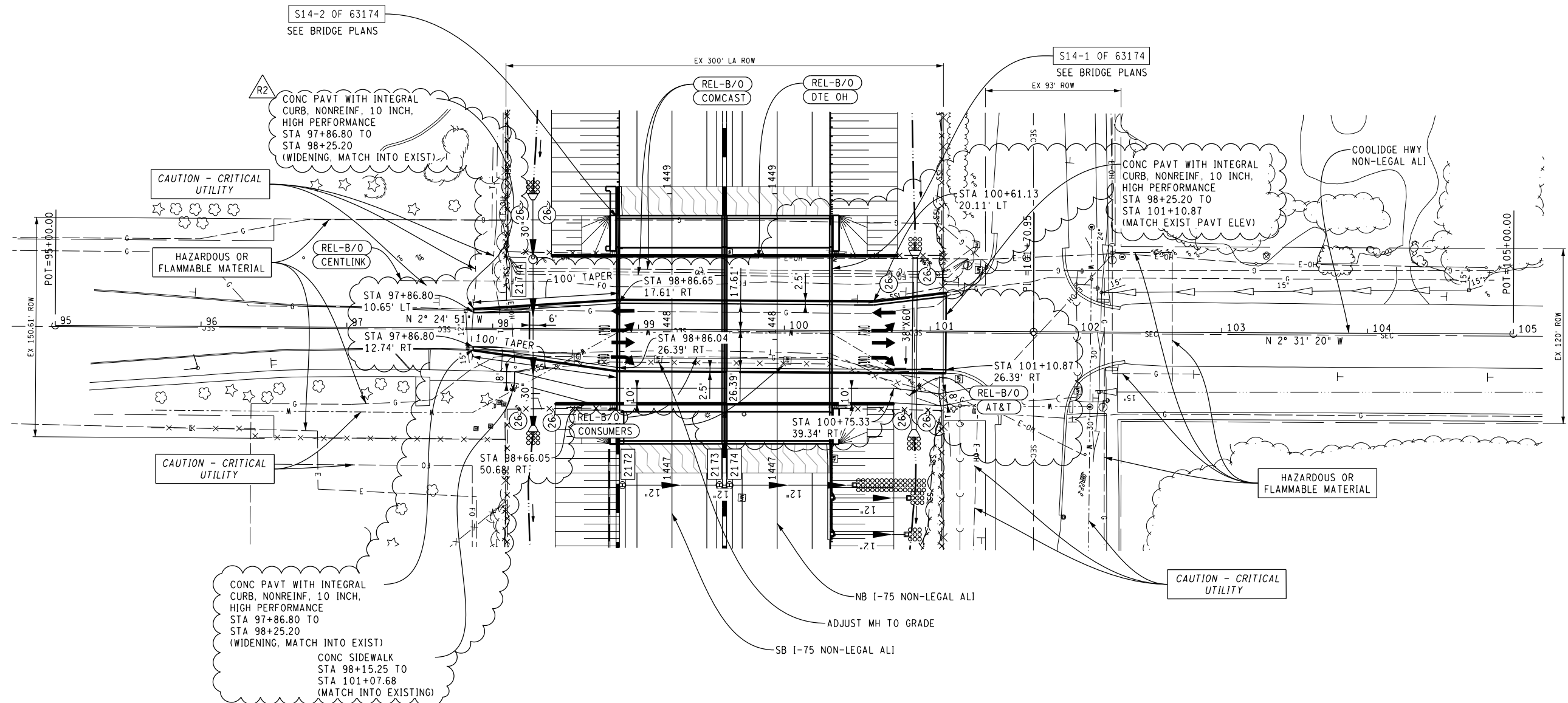
AGGREGATE BASE, 6 INCH  
 SIDEWALK, CONC,  
 6 INCH

TYPICAL NORMAL CROWNED COOLIDGE HWY SECTION  
 UNDER S14 OF 63174  
 2-LANE LOCAL RD (W/CENTER TURN LANE)  
 SECTION APPLIES TO:  
 STA 97+86.80 TO STA 101+10.87

NOTE:  
 (\*) - SLOPE VARIES, 1.82% - 3.00% FROM STA. 97+86.80 TO STA. 98+86.04.  
 SEE CURB FLOW LINE PROFILE ON SHEET CO-PROF-001.  
 (\*\*\*) - REMOVE AND REPLACE PAVEMENT, CONC PAVT, NONREINF, 10 INCH HIGH  
 PERFORMANCE, EXISTING SUBBASE TO REMAIN, FINE GRADE AS NECESSARY,  
 STA 98+25.20 TO STA 101+10.87

R2 PLAN REVISION R2: OCTOBER 9, 2020

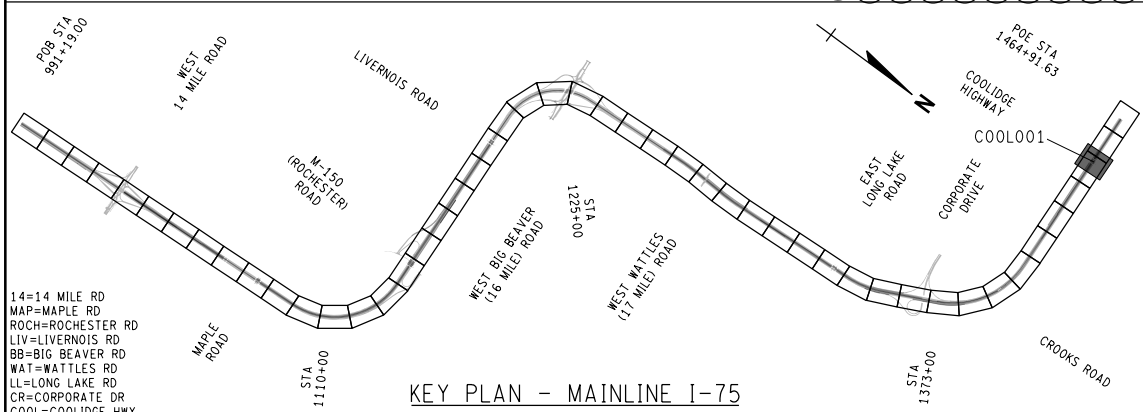
FINAL ROW PLAN REVISIONS (SUBMITTAL DATE: )				WALSH/TOEBE JOINT VENTURE		MDOT Michigan Department of Transportation		DATE: 06/14/2019		CS: 63174		DRAWING		SHEET	
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION
								NO SCALE		JN: 201437		PROPOSED TYPICAL SECTIONS		COOL PRTYP 001	
								FILE: 201437_C00L_PRTYP001.dgn		TSC: OAKLAND		COOLIDGE HWY I-75 CROSSING		SECT	
												I-75 SEGMENT 2			



COOLIDGE HIGHWAY

COOLIDGE HIGHWAY

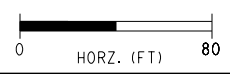
R2 PLAN REVISION R2: OCTOBER 9, 2020



KEY PLAN - MAINLINE I-75

NOTE: CURVE LABELS NOT SHOWN ON THIS SHEET FOR CLARITY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE: )							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



DATE: 04/05/2019  
 DESIGN UNIT: DATTA  
 TSC: OAKLAND  
 FILE: 201437\_C00L\_CON001.dgn

CS: 63174  
 JN: 201437A

CONSTRUCTION SHEET		DRAWING	SHEET
STA 95+00 TO STA 105+00		COL	SECT 1
COOLIDGE HIGHWAY		CON	001