

Missouri
Department
of Transportation



Jesse Jonas, Resident Engineer

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TRANSMITTAL LETTER	
To: Matt Budd	Date: 5-14-10
	Route: 141 County: St. Louis
	Contract ID: 100205-601
	Job No. J6U0807/J6U0807D
	Subject: V.E. No. 1

We are sending you

- Herewith
- Under separate cover

As requested

For your

- Approval
- Use
- Records
- Information

- Review & comments
- Revision & resubmittal
- Further handling

The following

- Plans and/or Prints
- Copy of letter(s)
- Specifications

Change Order(s) _____

V.E. Proposal No. 1

Copies:	Description:
Remarks:	
Copies to:	

From: Jesse Jonas

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal Final Proposal Date 5/10/10
Contract ID 100205-601 Job No. J6U0807
County St. Louis Original Bid Cost \$50,189,970.33
Contractor Fred Weber, Inc. By Chris Gottman
Designed By Jacobs Engineering Group Phone (314) 344-0070
VECP# 10-52. (to be completed by C.O.) VECP or PDVECP

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages
Existing Requirements: Construct temporary Toreador Drive detour from the end of Cochero Drive to Olive Road accessing Route 340.
Proposed Changes: Construct Toreador Drive in 4 stages and install temporary widening along Toreador Drive.
Advantages: (1) Eliminates the need for the Toreador Drive detour from Cochero Drive to Route 340 greatly reducing the ADT on Cochero Drive. (2) Elinating the Toreador Drive detour allows heavv excavation south of Olive to begin ahead of schedule.

2. Estimate of reduction in construction costs. \$63,911.30

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.
None

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

5/10/10
(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

5/24/10 Delay Schedule
(date) (effect)

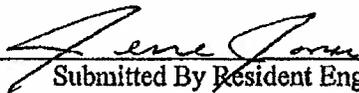
6. Dates of any previous or concurrent submission of the same proposal.

N/A
(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: CORE / AREA TEAM REVIEWED & APPROVED. THIS PROPOSAL SAVES TIME & MONEY TO THE CONTRACT. IT ALSO WAS WELL RECEIVED BY THE PUBLIC IT WOULD IMPACT. THE IMPACTS ARE LESS THAN THE ORIGINAL DESIGN. NO FUTURE MAINTENANCE IS EXPECTED TO BE CREATED BY THIS


Submitted By Resident Engineer

5-14-10
Date

Comments:
I am in concurrence with the teams recommendation.

- Approval Recommended
- Rejection Recommended



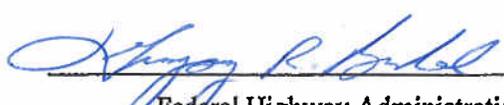
Digitally signed by Matthew Budd
DN: cn=Matthew Budd, o=MoDOT, ou=D6 Construction and Materials, email=Matthew.Budd@modot.mo.gov, c=US
Date: 2010.05.20 09:54:12 -05'00'

District Engineer

Date

Comments:

- Approval Recommended
- Rejection Recommended



Federal Highway Administration
Required for FHWA Full Oversight Projects

5/24/10

Date

Comments: Approved on the basis of the merits of the proposal and the input of various stakeholders. Denis Glascock. 5/20

- Approval
- Rejection



Digitally signed by Denis Glascock
DN: cn=Denis Glascock, c=US, o=MoDOT, ou=3H35, email=Denis.Glascock@modot.mo.gov
Date: 2010.05.20 10:41:44 -05'00'

State Construction and Materials Engineer

Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102

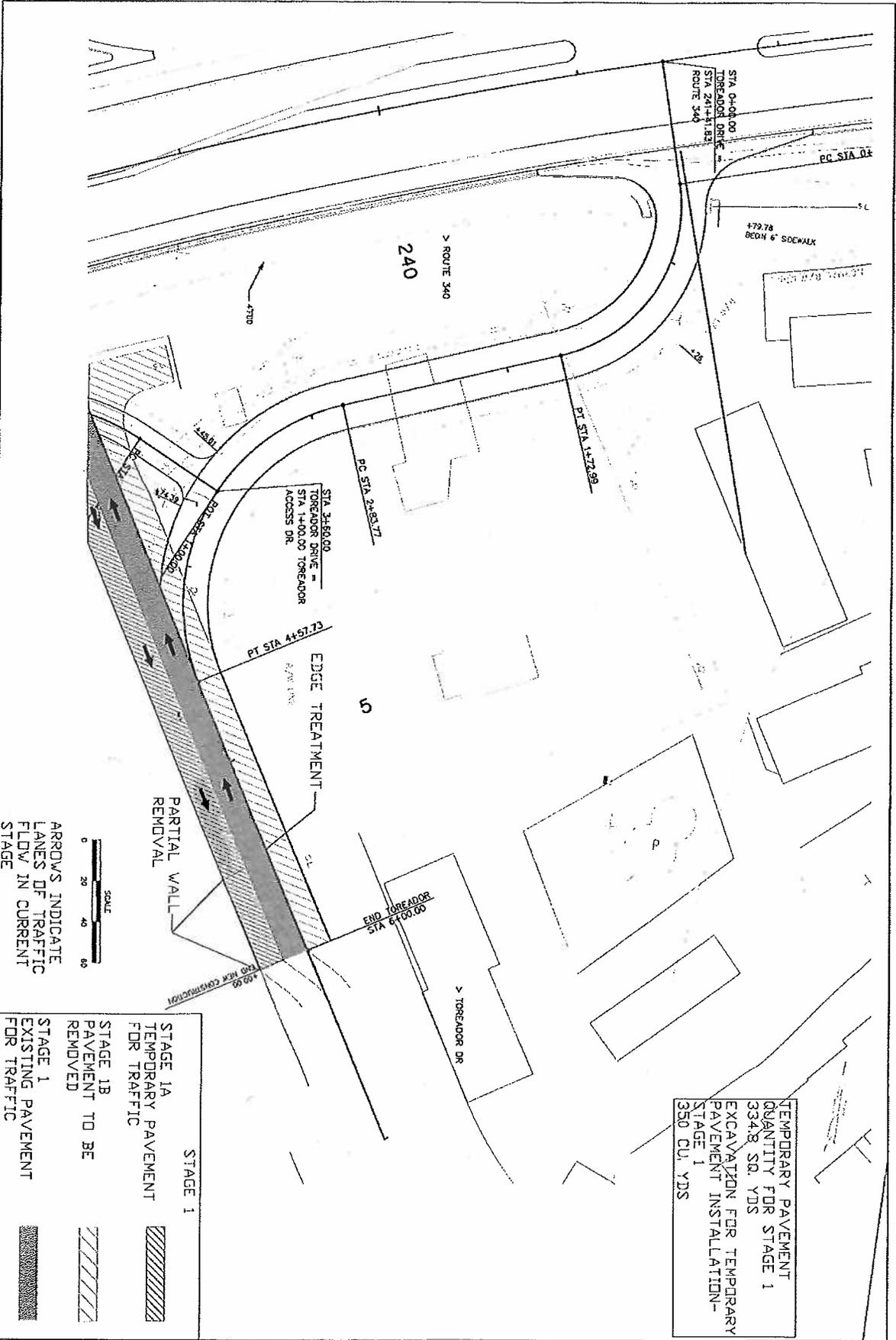
Toreador Detour VE

Estimated Savings

Line No.	Item	Quantity	Unit	Unit Cost	Total Cost
60	Class A Excavation	5226	CY	\$ 4.70	\$ 24,562.20
90	Compacting Embankment	5226	CY	\$ 0.25	\$ 1,306.50
210	Type 5 Agg Base (4")	2569	SY	\$ 5.50	\$ 14,129.50
290	5.75" BP1 & PMBB	2568.7	SY	\$ 20.00	\$ 51,374.00
1480	4" Yellow Waterborne Marking Paint	254	LF	\$ 0.15	\$ 38.10
1700	18" Pipe Group C	124	LF	\$ 35.00	\$ 4,340.00
2260	Sediment Removal	7	CY	\$ 30.00	\$ 210.00
2280	Silt Fence	625	LF	\$ 1.60	\$ 1,000.00
	Total				\$96,960.30

Estimated Costs

Line No.	Item	Quantity	Unit	Unit Cost	Total Cost
60	Class A Excavation (calculated using CAD)(includes pavement removal & restoration)	1900	CY	\$ 4.70	\$ 8,930.00
90	Compacting Embankment	950	CY	\$ 0.25	\$ 237.50
210	Type 5 Agg Base (4") (calculated using CAD)	642	SY	\$ 5.50	\$ 3,531.00
290	5.75" BP1 & PMBB (calculated using CAD)	642	SY	\$ 29.00	\$ 18,618.00
1310	Pavement Edge Treatment	495	LF	\$ 3.50	\$ 1,732.50
	Total				\$ 33,049.00
	Total VE Savings				\$63,911.30

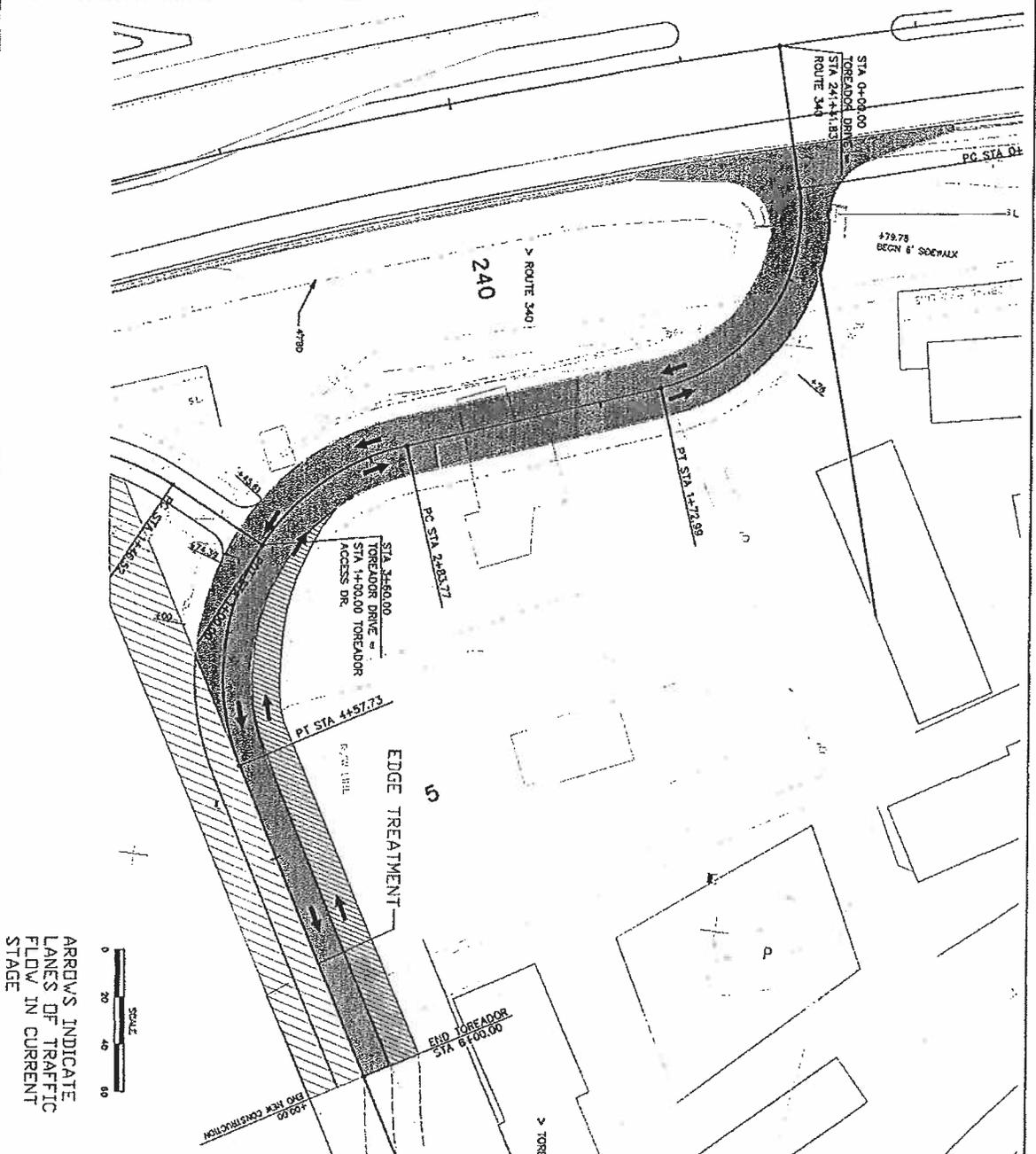


Drawn by: MJD
 Date: 07/11/07
 Title: STAGING PLAN

ROUTE 141

Proposed Toreador Drive Staging Plan - Stage 1

NO.	REVISION	DATE



ARROWS INDICATE
LANES OF TRAFFIC
FLOW IN CURRENT
STAGE

STAGE 3

STAGE 3A TEMPORARY PAVEMENT	
STAGE 3B PAVEMENT TO BE REMOVED	
STAGE 3 PAVEMENT FOR TRAFFIC	

TEMPORARY PAVEMENT
QUANTITY FOR STAGE 3
306,97 SQ. YDS
EXCAVATION FOR TEMPORARY
PAVEMENT INSTALLATION-
STAGE 3
500 CU. YDS



ROUTE 141
Proposed Toreador Drive Staging Plan - Stage 3

DATE	
BY	
CHECKED	
APPROVED	

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- Bridge/Structure/Footings
- Drainage Structures (RCP, RCB, CMP's, ect.)
- TCP/MOT
- Paving (PCCP, ect.)
- Grading/MSE Walls
- Signal/Lighting/ITS
- Misc. Change in Detour

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

This VE involves elimination of a detour by building the roadway in stages.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.
