

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: CSNHS-M003-00(234) DeKalb **OFFICE:** Engineering Services
P.I. No.: M003234
Rehabilitation of I-20 **DATE:** June 25, 2009

FROM: Ronald E. Wishon, Project Review Engineer *REW*

TO: David Crim, State Maintenance Engineer
Attn.: Willie Webb

SUBJECT: IMPLEMENTATION OF VALUE ENGINEERING STUDY ALTERNATIVES

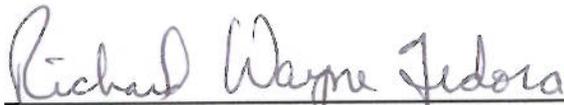
The VE Study for the above project was held on May 4, 2009. Responses were received on June 9, 2009. Recommendations for implementation of Value Engineering Study Alternatives are indicated in the table below. The Project Manager shall incorporate the VE alternatives recommended for implementation to the extent reasonable in the design of the project.

ALT #	Description	Potential Savings/LCC	Implement	Comments
1	Divide project at I-285 due to different traffic control requirements	Design Suggestion	No	Traffic Control is specified in Special Provision 150. The contractor has the option to develop a revised traffic control before construction with the approval of the project engineer.
2	Allow longer segments for weekend closures	Design Suggestion	No	Allowing longer segments will only add to the decrease in the flow of travel due to the construction. Lane closure segments lengths will be coordinated with the contractor and the District Construction Office.
3	Use Option 2 mix only	Design Suggestion	Yes	This will be done.
4	Mill and inlay shoulder first to remove rumble strips	Design Suggestion	Yes	The District will add a General Note to mill and inlay the shoulders at the beginning of the project to help reduce the project cost and to decrease construction time.

5	Use OGFC instead of PEM	Design Suggestion	No	The use of OGFC decreases the drainage capacity by 33%. The Office of Materials and Research and FHWA prefer PEM.
6	Build from outside to inside, construct outside shoulder improvements first	Design Suggestion	Yes	A general note indicating to mill and inlay from the outside lane to the inside lane will be added to the plans.
8	Limit or restrict truck traffic to traffic lanes, not on shoulder	Design Suggestion	Yes	The District will add a General Note requiring signage to restrict truck traffic on the shoulder and only allow large trucks to use the existing travel lanes to reduce the damage to the shoulders.

The Office of Engineering Services concurs with the Project Manager's responses.

Approved:  Date: 6/26/09
 Gerald M. Ross, PE, Chief Engineer

Approved:  Date: 6/30/2009
 for Rodney Barry, PE, FHWA Division Administrator

REW/LLM
 Attachments

- c: R. Wayne Fedora/Aric Mance/Mindy Roberson/LaToya Johnson - FHWA
- Genetha Rice Singleton
- David Crim/Eric Pitts/Willie Webb/Reid Mathews/John Dantzler
- Marlo Clowers
- Mickey McGee
- Mike Lobdell/Chartrae Kent/Melvin Waldrop/Mac Cranford
- Lisa Myers
- Matt Sanders

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE CSNHS-M003-00(234) Dekalb **OFFICE** Maintenance
Resurfacing of I-20
PI: M003234 **DATE** June 9, 2009

FROM Willie L. Webb, Maintenance Design Manager

TO Lisa Myers, Transportation Engineer Assistant Administrator- VE Coordinator

SUBJECT VE Study Response

Reference is made to the recommendations that were contained in the Value Engineering Study Report dated May 6, 2009 for the above referenced project. Responses and recommendations are as follows.

1. Value Engineering Recommendation No. 1: Divide project at I-285 due to differing traffic control requirements.

This recommendation **will not** be implemented due to the following reasons:

- Traffic Control is specified in Special Provision 150. The contractor has a option to develop a revised traffic control before construction with the approval of the project engineer.

2. Value Engineering Recommendation No. 2: Allow longer segments for weekend closures.

This recommendation **will not** be implemented:

- Allowing longer segments will only add to the decrease in the flow of travel due to the construction. Lane closure segments lengths will be coordinated with the contractor and the District Construction Office.

3. Value Engineering Recommendation No. 3: Use option 2 pavement design.

This recommendation **will be** implemented due to the following reason:

- The District will implement the pavement build-up as described in Option 2.

4. Value Engineering Recommendation No. 4: Mill/Inlay shoulder first to remove rumble strips.

This recommendation **will be** implemented due to the following reason:

- The District will add a General Note to mill and inlay the shoulders at the beginning of the project to help reduce the project cost and to decrease the project construction time.

5. Value Engineering Recommendation No. 5: Use open graded friction course (OGFC) instead of PEM.

This recommendation **will not be** implemented due to the following reason:

- The use of OGFC decreases the drainage capacity by 33%.
- The Office of Materials and Research and FHWA prefers PEM

6. Value Engineering Recommendation No. 6: Build from the outside to inside.

This recommendation **will be** implemented due to the following reason:

- A general note indicating to mill and inlay from the outside lane to the inside lane.

7. Value Engineering Recommendation No. 8: Restrict truck traffic on shoulder.

This recommendation **will be** implemented due to the following reason:

- The District will add a General Note requiring signage to restrict truck traffic on the shoulder and only allow large trucks to use the existing travel lanes to reduce the damage to the shoulders.

The responses are a collaboration of the District Construction, District Maintenance and Maintenance Offices. If additional information is needed, please contact us.
DCC:wlw

PRECONSTRUCTION STATUS REPORT FOR PI: M003996, M003234, M003997

MGMT LET DATE : 09/18/2009
MGMT ROW DATE :
SCHED LET DATE : 9/25/2009
WHO LETS? : GDOT Let
LET WITH :

DOT DIST : 7
CONG. DIST : 4
BIKE : N
MEASURE : E
NEEDS SCORE :
BRIDGE SUFF :

MPO : Atlanta TMA
TIP # : AR-126-2012
MODEL YR :
TYPE WORK : Resurface & Maintenance
CONCEPT : RESURFACING
PROG TYPE : Maintenance
Prov. for ITS : N
BOND PROJ :

PROJ ID : M003234
COUNTY : DeKalb
LENGTH (MI) : 9.65
PROJ NO. : CSNHS-M003-00(234)
PROJ MGR : Lobdell, Mike
OFFICE : District 7
CONSULTANT : No Consultant, GDOT In-House Design
SPONSOR : GDOT
DESIGN FIRM :

PROGRAMMED FUNDS			
Phase	Approved	Proposed	Cost
PE	2007 LR	2007	27,400,000.00
CST		2009	22,200,000.00

SCHED START	SCHED FINISH	ACTIVITY	ACTUAL START	ACTUAL FINISH	%
6/30/2009		Value Engineering Study	2/12/2009		82
		Environmental Approval	3/6/2009	4/1/2009	100

STIP AMOUNTS			
Phase	Cost	Fund	Date Auth
PE	0.00	L010	4/12/2007
CST	0.00	C230	PRECST

Bridge: NO BRIDGE REQUIRED
Design: NO ACTIVITY.
EIS: PCE | Apvd03.31.09 (Cert Let on 03.31.09 | Peters06-02.09)
LGPA: NOT APPLICABLE
Planning: Work Zone Safety: project considered significant; Transportation Management Plan (TMP) required
Programming: LUMP SUM 0006148
Utility: LB: Need Plans 06-2009
EMG: MAINTENANCE (RESURFACING)

District Comments		DEEDS CT:	
PE Cost Est Amt: 27,400,000.00	Date: 1/6/2009	Acquired by: N/R	
CST Cost Est Amt: 22,200,000.00	Date: 1/6/2009	Acquisition MGR:	
		R/W Cert Date:	
Cond. Filled: Relocations: Acquired:		Total Parcel in ROW System: Options - Pending: Condemnations- Pend:	
Prel. Parcel CT:		Released:	