

CONSTRUCTION VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 6-2-08

Contract ID 071130-805

Job No. J8S0851 J8S0851

County Greene Route 266

Original Bid Cost \$11,889,618.21

Contractor APAC-Missouri, Inc.

By Doug Fronick

Designed By APAC-Missouri, Inc.

Phone 417-868-6700

VECP 08-47

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

Proposed Change at Haseltine Tie-In.

The original traffic control plans show building temporary connection # 3 in stage 1 from STA 0+00 – 4+23. Temporary connection # 3 will allow tie-in construction at STA 12+77 Haseltine Road. This proposal includes a 1.75” overlay on existing Haseltine, an under run of 10” Bituminous Pavement, and elimination of temporary connection # 3. APAC proposes to raise the profile grade 1.75” at approximately STA. 12+77 Haseltine Road. The transition would be back to proposed profile grade at STA 16+00 Haseltine Road. This elevation change would allow APAC to overlay 1.75” of BP-1 on existing Haseltine from STA 12+77 to the state maintenance line, approximately 570’ north from STA 11+42.67. This proposal eliminates approximately 226.3 tons of temporary pavement. The tie-in construction could be kept to a minimum as opposed to several weeks. More importantly the effect on the general traveling public could be reduced as well. The advantages of the proposal are to provide MODOT with a more cost effective alternative by eliminating unnecessary temporary pavement. APAC believes it is extremely advantageous to use the tax payers’ dollars on permanent asphalt rather than temporary asphalt. By overlaying existing Haseltine Road to the state maintenance line it would provide MODOT with a better quality roadway. With the much anticipated growth in the area this overlay would free maintenance on Haseltine Road for the next several years. By accepting this proposal there would be a savings of \$12,474.92 of the Missouri Tax payers’ money. Savings will be split 50%/50% (MODOT/APAC) in accordance with the Value Engineering Specifications. Temporary striping quantities and payment will be addressed in the previous temporary striping value engineering proposal. The asphalt payment will be based on the actual tons laid, not the calculated tons.

The estimated net savings is \$12,474.92 See attached sheet showing detailed breakdowns of contract items.

2. Estimate of reduction in construction costs.

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

APAC-Missouri, Inc. foresees no additional costs for MODOT since all of the savings is due to the elimination of temporary asphalt.

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

Detailed breakdowns are attached
(date)

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

6-16-2008

(date)

No change to completion date or schedule.

(effect)

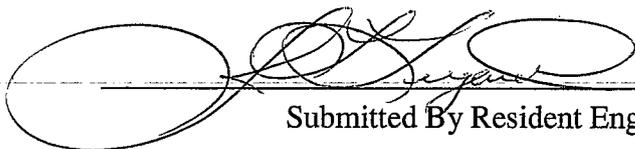
6. Dates of any previous or concurrent submission of the same proposal.

(date and/or dates)

Additional Comments:

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

Comments: I Concur that this proposal is constructible and produces a product that provides a good value for the taxpayer by providing consistent and new pavement to the limits of state maintenance.



Submitted By Resident Engineer

13 Jun 08

Date

Comments:

I concur with the resident engineer.

- Approval Recommended
- Rejection Recommended

Ant. Mulla for Kirk Juranas
District Engineer

6/13/2008
Date

Comments:

- Approval
- Rejection

David D. Coates By JGB
State Construction and Materials Engineer

6-30-08
Date

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

APAC-Missouri Inc.

Rt. 266

J8S0851

Haseltine Tie-In

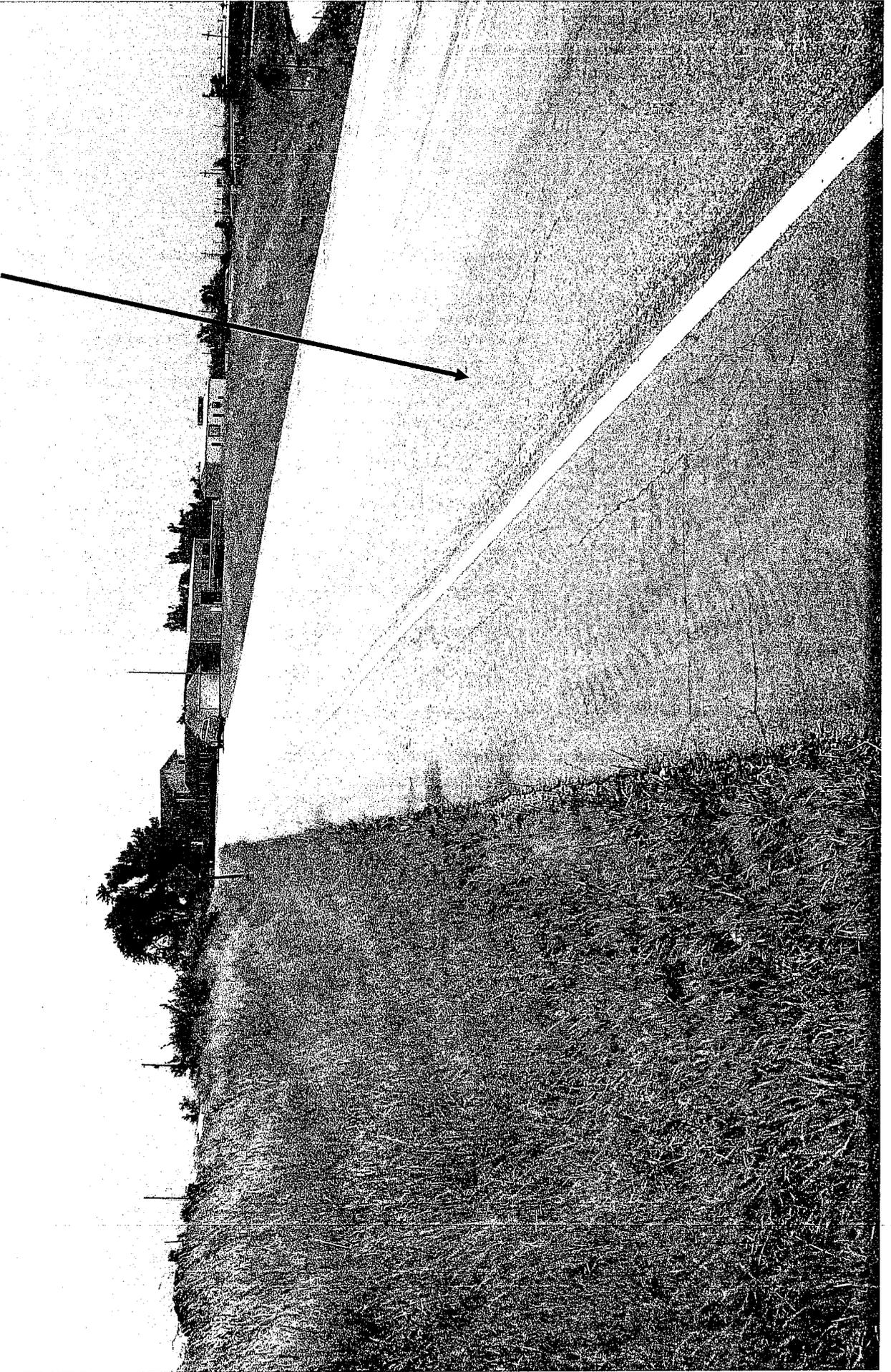
State Maintenance Line - 12+77 CL

Current Original Contract					
Item	Description	Quantity	Unit	Unit Price	Total Price
2100	Type 1 Agg. (4" Thick)	445	SY	\$ 4.16	\$ 1,851.20
2140	10" Asphaltic Pavement SP125C	445	SY	\$ 29.22	\$ 13,002.90
1270	Bituminous Pavement Mixture (Base)	226.3	TON	\$ 48.90	\$ 11,066.07
				\$	\$
			Total	\$	\$ 25,920.17

V.E. Proposal					
1 3/4" Overlay Existing Haseltine From State Maintenance - 12+77 CL					
Item	Description	Quantity	Unit	Unit Price	Total Price
1260	Bituminous Pavement Mixture (BP-1) Haseltine From STA 11+42.67 -12+77	43	TON	\$ 42.50	\$ 1,827.50
1260	Bituminous Pavement Mixture (BP-1) Haseltine From STA 11+42.67 -to end of state maintenance. (1836.6 SY)	176.7	TON	\$ 42.50	\$ 7,509.75
1770	Coldmilling (50:1 Transition)	194	SY	\$ 20.00	\$ 3,880.00
1680	4" White High Build Acrylic Waterborne Pavement Marking Paint	1140	LF	\$ 0.10	\$ 114.00
1690	4" Yellow High Build Acrylic Waterborne Pavement Marking Paint	1140	LF	\$ 0.10	\$ 114.00
			Total	\$	\$ 13,445.25

(Picture looking to the north)

Haseltine new edge of shoulder STA 12+50



1/4 SEC. 13
R23W

PC STA 11+42.67

EXIST. R/W

NORMAL R/W LINE

ASELTINE ROAD

- 18.87
- 42.67
- 14.71
- 10' 27.4" (RT)
- 32' 57.5"
- .03'
- .19'
- .00'

15:1 TAPER
4' FBD

PT STA 14+23.24

PC STA 15+19.90

S 57° 15' 00" W

+58.27
55.00'

MP 4

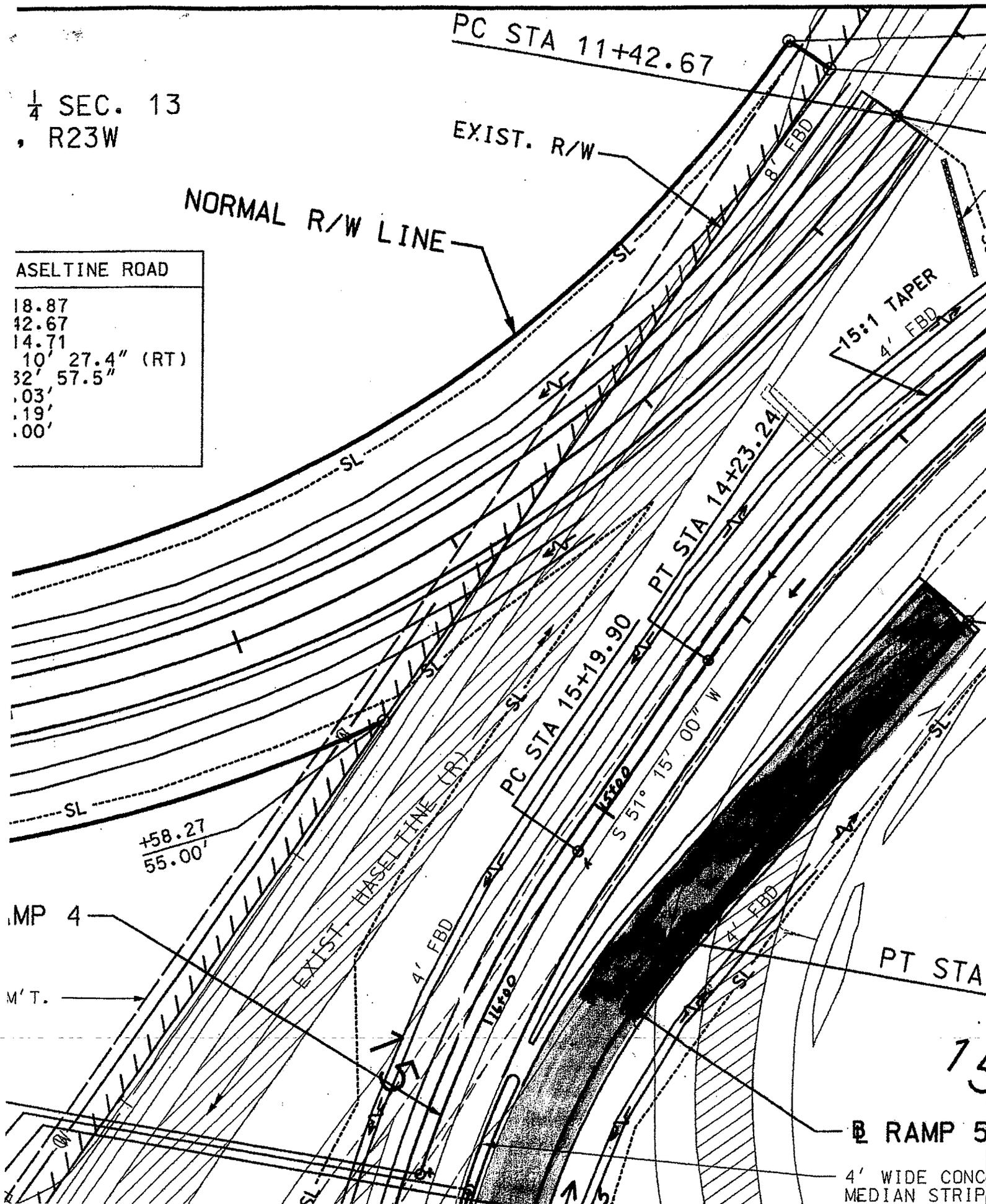
M.T.

EXIST. HASSELLINE (RT)

PT STA

RAMP 5

4' WIDE CONC
MEDIAN STRIP





MEMORANDUM

Missouri Department of Transportation
Construction and Materials
District 8

TO: Dave Ahlvers
State Operations Engineer

FROM: Jimmy McDiarmid
Operations Engineer - Construction

DATE: June 23, 2008

SUBJECT: Value Engineering Proposal
Job No. J8S0851
Route 266, Greene County

Attached for your review and approval is a Value Engineering Proposal from APAC-Missouri, Inc. on the above referenced project. This proposal has been thoroughly reviewed and recommendation is made for approval.

Should you have any questions or concerns, please don't hesitate to contact my office.

/mj
Attachment



MEMORANDUM
Missouri Department of Transportation

District 8
Springfield Construction

TO: Andy Mueller
Assistant District Engineer

CC:

FROM: Johnny Teegardin 
Resident Engineer

DATE: June 13, 2008

SUBJECT: VE Proposal (#6 Revised) – Haseltine Road Overlay
Job No.: J8S0851
Route: 266
County: Greene

Please find enclosed for your review, comments, and recommendation/rejection and forward to Construction Division this VE proposal to raise the final grade of Haseltine Road and overlay to the state maintenance limits. This eliminates removal and full-depth replacement while providing a new surface to the maintenance limits. I concur that this proposal is both constructible and provides a good value for both MoDOT and our customers.

This VE results in an estimated cost savings of \$12,474.92 that will be split 50/50 with the contractor in accordance with Section 104.6 of the Standard Specifications.

Copy: File

jt

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. _____

SUMMARY OF PROPOSAL

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

___ Adjust profile grade to minimize the amount of temporary pavement. _____

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.

___ Proposal is not lengthy _____