

**VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION**

Date 7/15/2010

Contract ID 090724-401

Job No. J4U1130D

County Jackson

150

Original Bid Cost \$14,101,938.24

Contractor Emery Sapp & Sons, Inc.

By Jonathan Myers

Designed By GBA

Phone 816.221.3500

VECP# 10-83 (to be completed by C.O.)

VECP or VECPP/PDU

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

The current design for embankment design along Hwy. 150 utilizes two MSE walls located near Stations 293 and Station 304 respectively. The proposed change will eliminate these two walls, incorporating sloped-earth and modified storm drainage to accomplish the same end result.

Attached for clarification purposes are revised drawings of each area. Notable advantages include the fact that the adjacent property owners favor this VE option, and of course, the cost savings to the project.

2. Estimate of reduction in construction costs. \$116,099.37

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.

6/25/10
(date)

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

6/16/2010
(date)

(effect)

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

10/19/2009 2/15/2010

6/25/2010
(date and/or dates)

Additional Comments:

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

Comments: I RECOMMEND APPROVAL, BASED ON NUMEROUS MEETINGS BETWEEN EMERY SAPP & SONS AND JEFF HOLEY, PROJECT MANAGER MoDOT, & TAVIN WILBENT, WITH LISA & MYSELF. SUGGESTIONS & CONCERNS THAT WERE BROUGHT TO EMERY SAPP WERE ADDRESSED BY EMERY SAPP IN THEIR FINAL SUBMITTAL. SHOULD HAVE LIMITED AFFECT ON CONTRACT TIME.

Thomas J. Phelan
Submitted By Resident Engineer

8/23/10
8/23/10
Date

Comments: BASED ON DISCUSSIONS WITH THE RE, PM & D4 RIGHT OF WAY MANAGER, I CONCUR WITH THIS VE. RIGHT OF WAY DOCUMENTS FOR BOTH THE WALLS LOCATED AT STATION 293 & 304, SPECIFIC TO THIS PROPOSAL, HAVE BEEN AGREED TO. FURTHER PROCESSING OF AGREEMENTS TO OCCUR UPON FINALIZATION OF THIS VE.

- Approval Recommended
- Rejection Recommended

Elizabeth A. Hoff (with initials in circle)
District Engineer

8/23/10
Date

Comments:

NO OVERSIGHT.

- Approval Recommended
- Rejection Recommended

WA
Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments:

APPROVED PER DISTRICT RECOMMENDATION

- Approval
- Rejection

David D. Coover by *PGA*
State Construction and Materials Engineer

8-24-10
Date

Contract ID: 090724-401
 Job No: 14U1130D
 County: Jackson
 Contractor: Emery Sapp & Sons

Walls #D4-0049 near Sta. 304+00 Rt. & #D4-0048 near Sta. 294+00 Rt.							
Line No	Item Description	Contract Schedule			VE Proposal #1		
		Unit Price	Units	Quantity	Change in Quantity	Revised Quantity	Cost Difference
0130	Class A Excavation	\$ 5.35	CY	122,868	(661)	122,207	\$ (3,536.95)
0140	Class C Excavation	\$ 15.80	CY	5,603	(35)	5,568	\$ (553.00)
0160	Class 3 Excavation	\$ 25.00	CY	2,052	7	2,059	\$ 175.00
0150	Compacting Embankment	\$ 1.20	CY	39,591	5,305	44,896	\$ 6,366.00
0340	Chain-Link Fence (Ret. Walls)	\$ 22.71	LF	541	(325)	216	\$ (7,380.75)
0990	Concrete Masonry Protection System	\$ 64,450.00	LS	1	(0.04)	0.96	\$ (2,578.00)
1000	Sacrificial Graffiti Protection System	\$ 64,450.00	LS	1	(0.04)	0.96	\$ (2,578.00)
1010	Mechanically Stabilized Earth Wall Systems	\$ 35.50	SF	7,737	(3,802)	3,935	\$ (134,971.00)
1020	Form Liners for MSE Wall Systems	\$ 0.01	SF	859	(422)	437	\$ (4.22)
1110	48" Group B pipe	\$ 83.00	LF	108	12	120	\$ 996.00
	Sodding	\$ 4.50	SY	2,770	175	2,945	\$ 787.50
1360	Cool season seeding	\$ 1,900.00	AC	21	0.50	22	\$ 950.00
0590	Type 3 MH Frame & Cover	\$ 985.00	EA	136	1	137	\$ 985.00
1430	Slit Fence	\$ 1.95	LF	9,626	(109)	9,517	\$ (212.55)
1440	Ditch Check	\$ 145.00	Ea	68	(10)	58	\$ (1,450.00)
1450	Inlet Check	\$ 165.00	Ea	17	2	19	\$ 330.00
1410	Sediment Removal	\$ 30.00	CY	281	(9.30)	172	\$ (279.00)
1390	Type B Berm	\$ 1.50	LF	2,938	(444.00)	2,494	\$ (666.00)
	NEW CONTRACT ITEMS:						\$ -
Add*	5' x 5' Special Ty E Inlet	\$ 500.00	LF	-	10	10	\$ 5,000.00
Add*	Inlet Under drain	\$ 10.00	LF	-	40	40	\$ 400.00
Add*	Type 3 EC Blanket	\$ 10.00	SY	-	267	267	\$ 2,670.00
Add*	6" HDPE Pipe with Bends	\$ 1,600.00	LS	-	1	1	\$ 1,600.00
Add*	Relocate Lagoon drain pipe	\$ 2,250.00	LS	-	1	1	\$ 2,250.00
Add*	Parcel 53 Permanent Drainage Easement Payment	\$ 100.00	LS	-	1	1	\$ 100.00
	Total Savings prior to engineering						\$ (131,599.37)
Add*	Survey Work for Parcels 48 & 53	\$ 2,000.00	LS	1	1	1	\$ 2,000.00
Add*	Engineering Wall D4-0048	\$ 6,750.00	LS	1	1	1	\$ 6,750.00
Add*	Engineering Wall D4-0049	\$ 6,750.00	LS	1	1	1	\$ 6,750.00

Total VE Savings \$ (116,099.37)

MoDOT Portion \$ (58,049.69)

50% split

ESS Portion \$ (58,049.69)

Re: Route 150 VE# 1 Proposal

Jeffrey J Hardy to: Jonathan Myers

07/19/2010 11:24 PM

Cc: "Billie.Tucker@modot.mo.gov", "Thomas.Markway@modot.mo.gov", Perry J Allen

Jonathan,

I agree with the VE proposal. We have the agreements and deeds for parcel 53 but need the payment and deeds signed for parcel 48 so we can execute this VE proposal. Please let me know when this will be completed.

Thanks.

Jeffrey J. Hardy, P.E.
Project Manager
MoDOT District 4
600 NE Colbern Rd
Lee's Summit, MO 64086

816-622-6570 Office
816-622-0461 Fax

Jonathan Myers

Please find the attached documents showing the

07/16/2010 09:19:53 AM



Jonathan Myers
<Jonathan.Myers@emerysap.com>

07/16/2010 09:18 AM

To "Thomas.Markway@modot.mo.gov"
<Thomas.Markway@modot.mo.gov>,
"Billie.Tucker@modot.mo.gov"
<Billie.Tucker@modot.mo.gov>
cc "jeffrey.Hardy@modot.mo.gov"
<jeffrey.Hardy@modot.mo.gov>
Subject Route 150 VE# 1 Proposal

Please find the attached documents showing the Revised Value Engineering Proposal #1 for your review and approval. Contact me with any questions.

Jonathan Myers
Project Manager

Emery Sapp & Sons Inc. (ESS)
140 Walnut Street
Kansas City, MO 64106
Office: 816.221.3500
Cell: 816.204.5474
Fax: 816.421.9333

Laying the Groundwork for Your Success



Actual Saving VE Wall D4-48 & D4-49 REVISED 7-14-10 #4.pdf



VECPFormC104 WALL VE Route 150 #4JM.pdf



Value Engineering Proposal Letter Revision #4.pdf



Fw: Route 150 VE# 1 Proposal

Thomas J Markway to: Perry J Allen

08/12/2010 11:06 AM

----- Forwarded by Thomas J Markway/D4/MODOT on 08/12/2010 11:06 AM -----

From: Timothy J Holman/D4/MODOT
To: Thomas J Markway/D4/MODOT@MODOT
Cc: Jeffrey J Hardy/D4/MODOT@MODOT
Date: 08/12/2010 08:54 AM
Subject: Re: Fw: Route 150 VE# 1 Proposal

Tom, has Jeff ever responded to this email because we are good on our end. Thanks

Please note my phone number has changed

Tim J. Holman
Right of Way Manager - District 4
Missouri Department of Transportation
600 NE Colbern Road
Lee's Summit, MO 64086
Work (816) 607-2060
Fax (816) 622-6379
Email: timothy.holman@modot.mo.gov

Thomas J Markway

Forwarded by Thomas J Markway/D4/MO

08/09/2010 07:49:53 AM

Thomas J
Markway/D4/MODOT
08/09/2010 07:49 AM

To Timothy J Holman/D4/MODOT@MODOT, Jeffrey J
Hardy/D4/MODOT@MODOT
cc

Subject Fw: Route 150 VE# 1 Proposal

----- Forwarded by Thomas J Markway/D4/MODOT on 08/09/2010 07:48 AM -----



Jonathan Myers
<Jonathan.Myers@emerysap
p.com>
08/09/2010 07:45 AM

To "Thomas.Markway@modot.mo.gov"
<Thomas.Markway@modot.mo.gov>
cc

Subject RE: Route 150 VE# 1 Proposal

To my knowledge all deeds have been signed for both parcels and the R/W check of \$2,550.00 has been sent to modot for payment of Parcel 48's property. Please check with Tim Holman on these items, let me know if you need for me to do anything further.

What's the status on VE's 3,4,5 for the project and when can we get these on a change order?

Jonathan Myers
Project Manager

Emery Sapp & Sons Inc. (ESS)
140 Walnut Street
Kansas City, MO 64106
Office: 816.221.3500
Cell: 816.204.5474
Fax: 816.421.9333

Laying the Groundwork for Your SuccESS

From: Thomas.Markway@modot.mo.gov [Thomas.Markway@modot.mo.gov]
Sent: Saturday, August 07, 2010 9:55 AM
To: Jonathan Myers
Subject: Fw: Route 150 VE# 1 Proposal

Has this been taken care of?

----- Forwarded by Thomas J Markway/D4/MODOT on 08/07/2010 09:55 AM -----
Jeffrey J Hardy/D4/MODOT

07/19/2010 11:24 PM

To

Jonathan Myers <Jonathan.Myers@emerysapp.com>

cc

"Billie.Tucker@modot.mo.gov" <Billie.Tucker@modot.mo.gov>,
"Thomas.Markway@modot.mo.gov" <Thomas.Markway@modot.mo.gov>, Perry J
Allen/D4/MODOT@MODOT
Subject

Re: Route 150 VE# 1 ProposalLink<
Notes://LNMAL3/8625669800803DEB/38D46BF5E8F08834852564B500129B2C/806F69E99B8D0
0F686257762004EB9C3>

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Thanks.

Jeffrey J. Hardy, P.E.
Project Manager
MoDOT District 4
600 NE Colbern Rd
Lee's Summit, MO 64086

816-622-6570 Office
816-622-0461 Fax

Jonathan Myers <Jonathan.Myers@emerysapp.com>

07/16/2010 09:18 AM

To

"Thomas.Markway@modot.mo.gov" <Thomas.Markway@modot.mo.gov> ,

"Billie.Tucker@modot.mo.gov" <Billie.Tucker@modot.mo.gov>

cc

"jeffrey.Hardy@modot.mo.gov" <jeffrey.Hardy@modot.mo.gov>

Subject

Route 150 VE# 1 Proposal

Please find the attached documents showing the Revised Value Engineering Proposal #1 for your review and approval. Contact me with any questions.

Jonathan Myers
Project Manager

Emery Sapp & Sons Inc. (ESS)
140 Walnut Street
Kansas City, MO 64106
Office: 816.221.3500
Cell: 816.204.5474
Fax: 816.421.9333

Laying the Groundwork for Your Success

CCO FORM: RW23
Approved: 06/96 (RMH)
Revised: 02/10 (AR)
Modified:

COUNTY: Jackson
ROUTE: 150
PROJECT: J4U1130
PARCEL: 53

**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
EASEMENT FOR HIGHWAY PURPOSES**

THIS INDENTURE, made this 29th day of June, 2010, by and between **Fred K. Lamaster and Joyce M. Lamaster, Revocable Living Trust filed April 20, 1999**, of the County of Jackson, and State of Missouri, 2235 SW MO Route 150, Lee's Summit, Missouri, 64082, parties of the first part (grantors), and the State of Missouri, acting by and through the Missouri Highways and Transportation Commission, 600 NE Colbern Road, Lee's Summit, MO, 64086, party of the second part (grantee).

WITNESSETH, that the said parties, of the first part, in consideration of the sum of One Dollar and Other Valuable Consideration (\$1.00 and O.V.C.), to them paid by the said party of the second part, the receipt of which is hereby acknowledged, do by these presents grant, bargain and sell, convey and confirm unto said party of the second part, its successors and assigns, the following described permanent easement and interests in real estate in the County of Jackson, State of Missouri, to wit:

A permanent drainage easement for the purpose of constructing and maintaining drainage controls which includes all that part of grantors' real property and real property rights and interest in a tract of land located in the Northwest Quarter of the Northeast Quarter of Section 35, Township 47 North, Range 32 West in the city of Lee's Summit, Jackson County, Missouri, hereinafter referenced to the following described M-150 improvement centerline, to wit: Beginning at a point on the M-150 southerly boundary, said point being 60.00 feet right of Station 304+40.00; thence South 88° 07' 13" East, a distance of 20.00 feet to a point 60.00 feet right of Station 304+60.00; thence South 01° 52' 42" West, a distance of 10.00 feet to a point 70.00 feet right of Station 304+60.00; thence North 88° 07' 13" West, a distance of 20.00 feet to a point 70.00 feet right of Station

304+40.00; thence North 01° 52' 42" East, a distance of 10.00 feet to the Point of Beginning; containing 200.00 square feet or 0.005 of an acre, more or less, of land.

The permanent drainage easement will be constructed on only part of said land, the extra land being included for workers and machinery to be utilized. After completion of construction and acceptance of the project, the owners of said land may fence, and shall have the free and uninterrupted possession and use of said tract; subject only to the Missouri Highways and Transportation Commission's right, if it should so elect, to enter thereon from time to time for the purpose of maintaining said drainage controls.

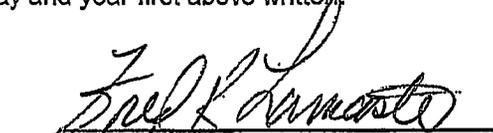
The Route M-150 centerline is located and described as follows: Commencing at the North 1/4 Corner of Section 36 T47N, R33W, Jackson County, Missouri; thence along the north line of said section North 86° 07' 08" West a distance of 412.74 feet; thence leaving said north line North 03° 27' 50" East a distance of 167.84 feet to Station 32+55.00 on the centerline of said M-150; thence along said M-150 centerline the following courses and distances: South 86° 32' 10" East, a distance of 3029.43 feet to a point of intersection at Station 62+84.43; thence South 86° 28' 28" East, a distance of 1372.16 feet to a point of curvature at Station 76+56.59; thence along a curve to the left having a radius of 21890.88 feet, a central angle of 01° 06' 32", and initial tangent bearing of South 86° 28' 28" East a distance of 423.64 feet to a point of tangency at Station 80+80.23; thence South 87° 35' 00" East, a distance of 4532.69 feet to a point of intersection at Station 126+12.92; thence South 87° 34' 57" East, a distance of 1509.97 feet to a point of intersection at Station 141+22.89; thence South 87° 29' 26" East, a distance of 939.25 feet to a point of curvature at Station 150+62.14; thence along a curve to the right having a radius of 4583.66 feet, a central angle of 09° 47' 39", and initial tangent bearing of South 87° 29' 26" East a distance of 783.54 feet to a point of reverse curvature at Station 158+45.67; thence along a curve to the left having a radius of 4583.66 feet, a central angle of 09° 13' 12", and initial tangent bearing of South 77° 41' 46" East a distance of 737.60 feet to a point of tangency at Station 165+83.27; thence South 86° 54' 58" East, a distance of 2808.12 feet to a point of intersection at Station 193+91.39; thence South 87° 11' 32" East, a distance of 1189.30 feet to a point of curvature at Station 205+80.69; thence along a curve to the right having a radius of 5729.58 feet, a central angle of 04° 38' 09", and initial tangent bearing of South 87° 11' 32" East a distance of 463.59 feet to a point of reverse curvature at Station 210+44.28; thence along a curve to the left having a radius of 5729.58 feet, a central angle of 04° 28' 18", and initial tangent bearing of South 82° 33' 23" East a distance of 447.16 feet to a point of tangency at Station 214+91.44; thence South 87° 01' 41" East, a distance of 4503.65 feet to a point of intersection at Station 259+95.09; thence South 88° 01' 38" East, a distance of 1408.59 feet to a point of intersection at Station 274+03.68; thence South 88° 11' 10" East, a distance of 971.01 feet to a point of intersection at Station 283+74.69; thence South 88° 09' 58" East, a distance of 829.75 feet to a point of intersection at Station 292+04.45; thence South 88° 07' 13" East, a distance of 3414.71 feet to a point of intersection at Station 326+19.15; thence South 87° 53' 46" East, a distance of 1008.10 feet to a point of intersection at Station 336+27.25; thence along a curve to the left having a radius of 5729.58 feet, a central angle of 03° 16' 34", and initial tangent bearing of South 87° 53' 46" East

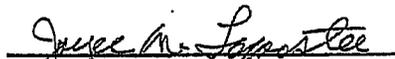
a distance of 327.61 feet to a point of reverse curvature at Station 339+54.86; thence along a curve to the right having a radius of 5729.58 feet, a central angle of 03° 08' 46", and initial tangent bearing of North 88° 49' 40" East a distance of 314.62 feet to a point of tangency at Station 342+69.48; thence South 88° 01' 34" East, a distance of 3905.75 feet to a point of curvature at Station 381+75.23; thence along a curve to the left having a radius of 5729.58 feet, a central angle of 03° 30' 58", and initial tangent bearing of South 88° 01' 34" East a distance of 351.62 feet to a point of reverse curvature at Station 385+26.85; thence along a curve to the right having a radius of 5729.58 feet, a central angle of 03° 53' 11", and initial tangent bearing of N 88° 27' 28" East a distance of 388.64 feet to a point of tangency at Station 389+15.49; thence South 87° 39' 21" East, a distance of 1713.36 feet to a point of intersection at Station 406+28.85; thence South 87° 37' 01" East, a distance of 1944.68 feet to a point of curvature at Station 425+73.53; thence along a curve to the right having a radius of 5729.58 feet, a central angle of 03° 06' 42", and initial tangent bearing of South 87° 37' 01" East a distance of 311.18 feet to a point of reverse curvature at Station 428+84.71; thence along a curve to the left having a radius of 5729.58 feet, a central angle of 03° 10' 50", and initial tangent bearing of South 84° 30' 19" East a distance of 318.04 feet to a point of tangency at Station 432+02.75; thence South 87° 41' 08" East, a distance of 2719.36 feet to Station 459+22.11.

This conveyance includes all the realty and realty rights described in the preceding paragraphs that lie within the limits of a tract of land described and recorded with the Jackson County Recorder of Deeds, filed April 20, 1999 as Document No. 1999I0031832.

TO HAVE AND TO HOLD the same, with all rights, privileges, and immunities thereto belonging or in anywise appertaining, unto said party of the second part, its successors and assigns forever.

IN WITNESS WHEREOF, the said parties of the first part have executed the above the day and year first above written.


Fred M. Lamaster, Trustee
FKL


Joyce M. Lamaster, Trustee

ACKNOWLEDGMENT BY TRUST

STATE OF MISSOURI)
)
COUNTY OF JACKSON)

) SS

On this 29th day of JUNE, 2010, before me appeared **Fred K. Lamaster and Joyce M. Lamaster**, personally known to me, who being by me duly sworn, did say that they are the Trustees of the **Fred K. Lamaster and Joyce M. Lamaster, Revocable Living Trust** filed April 20, 1999, and that the foregoing instrument was signed on behalf of said trust by authority of its Declaration of Trust, and that they acknowledged said instrument to be the free act and deed of said trust and that it was executed for the consideration stated therein and no other.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the county and state aforesaid the day and year written above.



TIM J. HOLMAN
My Commission Expires
December 23, 2012
Jackson County
Commission #09497652

Tim J. Holman

Tim J. Holman - Notary Public

My Commission Expires: _____

Missouri
Department
of Transportation



District 4 - Kansas City Area
600 NE Colbern Road
Lee's Summit, MO 64086
(816) 622-6500
Fax (816) 622-6323
Toll free 1-888 ASK MoDOT
(1-888-ASK-6636)
www.modot.mo.gov

Elizabeth A. Wright, District Engineer

RIGHT OF WAY:

Jackson County
Route 150
Job No. J4U1130, Tract 53

To Fred K. Lamaster and Joyce M. Lamaster, Revocable Living Trust:

The Missouri Highways and Transportation Commission has approved a program for the construction and improvement of the above-mentioned route and project. It will be necessary to acquire property to accomplish the proposed highway improvement as indicated on the engineering plans and more particularly described in the attached deed presented to you for consideration.

We do want to inform you that you do have the right to receive compensation for the property in question as determined by appraisal for the rights taken from your property. We understand that you may be agreeable to donating the land and easements needed for the Route 150 improvement.

We are hopeful that because of the benefits to be derived from this project and after a review of our drawings you will be willing to donate the land and easements that is required. If you are agreeable, we would appreciate you acknowledging this agreement and waiver of compensation by signing below.

An acquisition brochure is furnished with this letter. The purpose of this brochure is to explain the acquisition process. We look forward to the continuation of our highway improvement program and are grateful for the opportunity to serve you.

Sincerely,

Beth Wright, P.E.
District Engineer

AGREEMENT AND WAIVER

Fred K. Lamaster, Trustee
Joyce M. Lamaster, Trustee

Hand delivered to: Mrs & Mrs. Lamaster

By: Tim Holman On: 6-29-10

Jeffrey J Hardy/D4/MODOT
06/28/2010 05:17 PM

To Jonathan Myers <Jonathan.Myers@emerysapp.com>
cc "Billie.Tucker@modot.mo.gov"
<Billie.Tucker@modot.mo.gov>;
"Thomas.Markway@modot.mo.gov"
bcc Perry J Allen/D4/MODOT
Subject Re: Route 150 Revised VE Proposal #1

Jonathan,

The engineering costs are not calculated correctly. As stated in the Specification Book section 104.6.3.2
"....All reasonable documented engineering costs incurred by the contractor to design and develop a value engineering proposal will be reimbursed and subtracted from the savings of the construction costs. All costs incurred by MoDOT to review and implement the VECP will be at the Commission's expense."

An example can be found in the EPG showing the savings:

All reasonable documented engineering costs incurred by the contractor to design and develop a value engineering proposal shall be reimbursed and subtracted from the savings of the construction costs. All costs incurred by MoDOT to review and implement the VECP will be at the Commission's expense. For example, a contractor submits a VECP with a reduction in construction costs of \$100,000. The documented engineering costs for the proposal total \$20,000. The actual net savings are determined by subtracting the engineering costs (\$20,000) from the reduced construction cost (\$100,000). In this example, the net savings is \$80,000 that is split between MoDOT and the contractor using either the 50/50 or 75/25 ratio dependent upon the type of VE approved.

Also missing in the calculations is the reduction in cost for Concrete Masonry Protection System and Sacrificial Graffiti Protection System.

Please revise the cost saving and resubmit.

Jeffrey J. Hardy, P.E.
Project Manager
MoDOT District 4
600 NE Colbern Rd
Lee's Summit, MO 64086

816-622-6570 Office
816-622-0461 Fax

Jonathan Myers Tom 06/28/2010 03:29:31 PM



Jonathan Myers
<Jonathan.Myers@emerysap
p.com>
06/28/2010 03:27 PM

To "Thomas.Markway@modot.mo.gov"
<Thomas.Markway@modot.mo.gov>;
"Billie.Tucker@modot.mo.gov"
<Billie.Tucker@modot.mo.gov>
cc "jeffrey.Hardy@modot.mo.gov"
<jeffrey.Hardy@modot.mo.gov>;
"timothy.holman@modot.mo.gov"
<timothy.holman@modot.mo.gov>
Subject Route 150 Revised VE Proposal #1

Tom,

Please find the attached Revised VE #1 Proposal as requested for the Rt 150 project. To my knowledge all Property owner agreements, drainage easements and Final revised Plans are already in possession of MoDOT. Let me know if I can to do anything further to assist with the approval of this VE.

Thanks

Jonathan Myers
Project Manager

Emery Sapp & Sons Inc. (ESS)
140 Walnut Street
Kansas City, MO 64106
Office: 816.221.3500
Cell: 816.204.5474
Fax: 816.421.9333

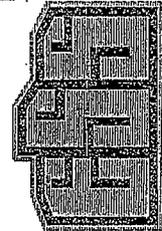
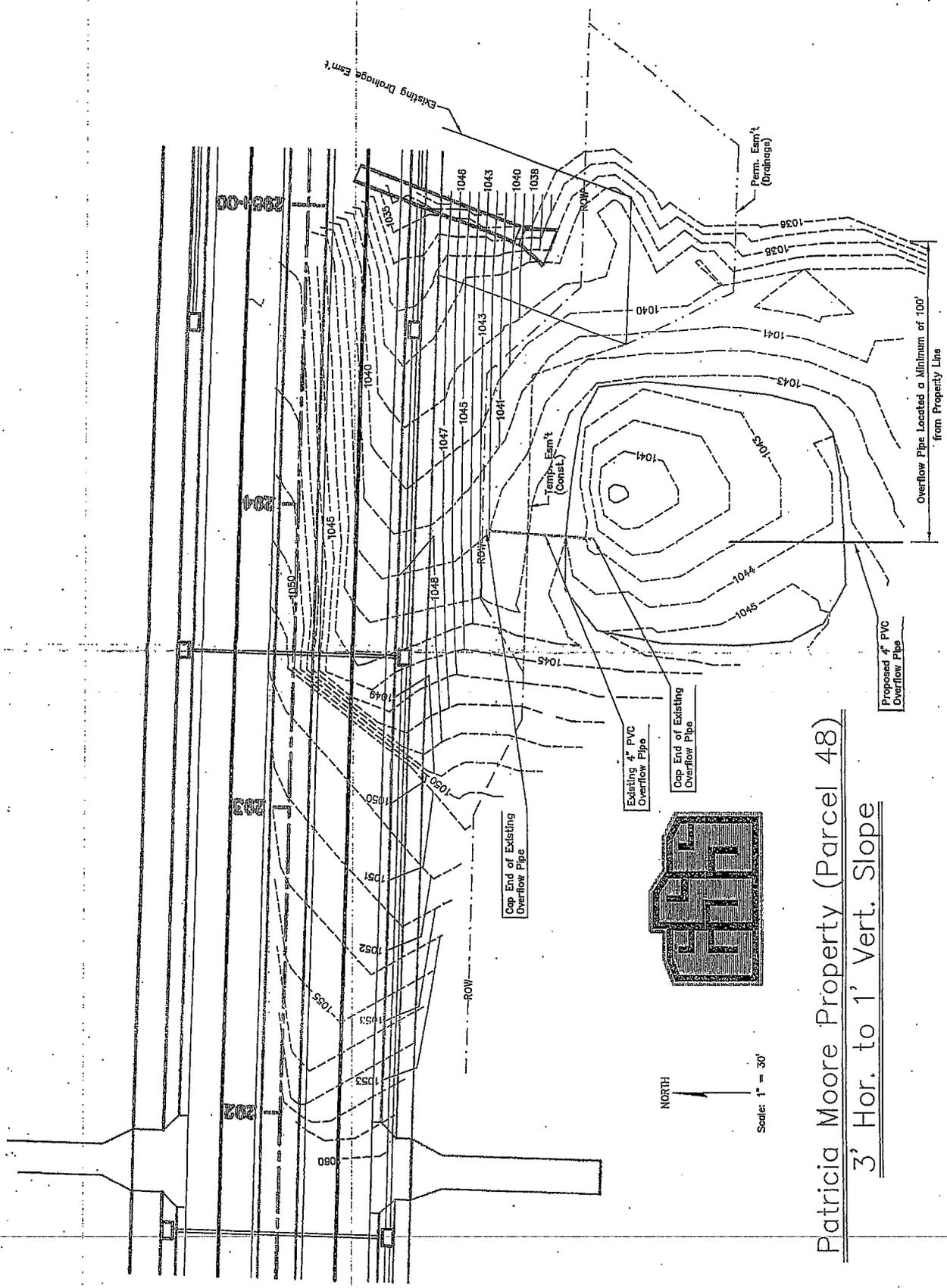
Laying the Groundwork for Your SuccESS



Actual Saving VE Wall D4-48 & D4-49 REVISED 6-24-10.pdf Value Engineering Proposal Letter Revision #3.pdf



VECPFormC104 WALL VE Route 150 #3JM.pdf



NORTH
Scale: 1" = 30'

Patricia Moore Property (Parcel 48)

3' Hor. to 1' Vert. Slope



NORTH

Scale: 1" = 30'

The Proposed 6" PVC
Into Proposed Inlet
Flowline El. 1037.00

Proposed 5'x4' Grated
Inlet with Bearing Plate
Top El. 1045.00
Flowline Out El. 1036.00

Proposed 8.9' x 48"
Group B Pipe

Proposed 6" PVC
Overflow Pipe

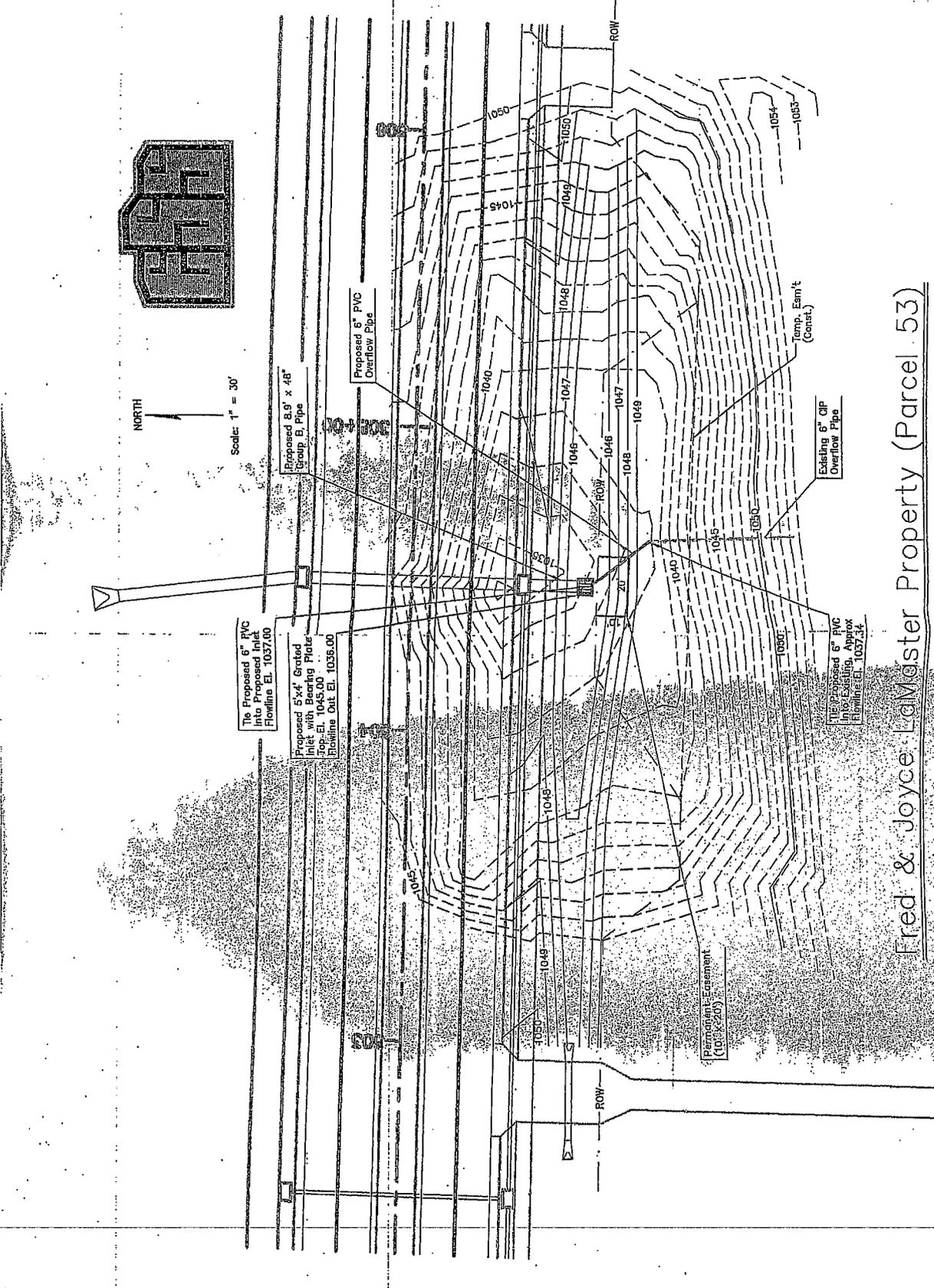
Proposed Easement
(10' x 25')

The Proposed 6" PVC
Into Existing Approx
Flowline El. 1037.34

Temp. Eas't
(Const.)

Existing 6" QIP
Overflow Pipe

Fred & Joyce LaMaster Property (Parcel 53)



Contract ID: 090724-401

Fed St/Pr Proj Nbr: FAF-150-1(10)

Status: Active

Primary PCN: J4U1130D

District: 04

OrgCode: 4CT

Funding

Progress Sched: _____

Variance Pct: .00

Federal
 State/Province
 Both

Desc: J4U1130D - ROUTE 150 - JACKSON COUNTY

Time Charges: Completion Date

Bid Days: 815

Bid Amt: \$14,101,938.23

Contract Type: Construction Project Above \$500,000

Fed Oversight

Work Type: NEW CONSTRUCTION

Local Oversight

Proposal Fund Type: _____

Spec Yr: 1996

Unit System: English

Suppl Spec Bk Yr: 1996

Alt ID: _____

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)

_____ Modify grading template to eliminate need for MSE wall.

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.

_____ Scan proposal only.
