2020 VECP Virtual Peer Exchange: Information Packet

October 21 - 22,2020

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INTRODUCTION

In advance of the 2020 Value Engineering Change Proposal (VECP) Virtual Peer Exchange, this information packet has been prepared to give you some background knowledge on the states attending. There are 10 total states registered to participate in the Peer Exchange including: California, Colorado, Florida, Missouri, North Carolina (Host State), Texas, Virginia, Washington, West Virginia, and Wisconsin.

In this packet you will find a state summary table as well as a state spotlight for each of the states listed. The **Summary Table** gives a quick overview of each state's VECP program, while each **Individual State Spotlight** provides extra detail on specific programs. The intent is to give you some background on the participating state programs to help you prepare for the Peer Exchange.

We hope this packet in addition to the Agenda will help you to develop thoughts and questions to share during the Peer Exchange. We look forward to speaking with you!

NCDOT in Partnership with the FHWA

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STATE SUMMARY

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Link to		CDOT			TOP THUMBER	Texas Department of Transportation		WSDOT		OF TRUM
Info Packet Page	<u>CA</u>	CO	<u>FL</u>	MO	<u>NC</u>	<u>TX</u>	<u>VA</u>	WA	WV	<u>WI</u>
Centralized (C) or Decentralized (D)	D	D	D	D	D	С	D	D	С	С
VECP Name	VECP	VECP	CSI	VECP	VEP	Exploring restarting program	VECP	VECP	VECP	CRI
Early Discussions										
VECP Workshop	✓		✓	✓						✓
Review/Support										
Designated Review Team		✓		✓	✓				✓	✓
Resources										
Construction Manual/ Policy Guidance	✓	✓	✓	✓	✓			✓	✓	✓
Submission Form			✓		✓					
Reporting										
Tracking System	Under Dvlpmt		✓		✓			✓		✓



CALIFORNIA (CA)

Primary Contact	Chuck Suszko; (chuck.suszko@dot.ca.gov)
Organization	Decentralized
Structure	
State Structure	12 Districts
VECP Spec	4-1.07 - 2018 Standard Specification
Proposal Type(s)	Preliminary and Complete (Final)
Overview	The Division of Construction, Chief Office of Contract Administration is responsible
(Roles &	for the VECP process, guidance and annual reporting of VECPs. The Division of
Responsibilities)	Construction Chief primarily gets involved if there is a VECP review decision dispute.
	■ <u>Tech Review</u> = Construction (District) Engineer coordinates
	■ <u>Final Approval</u> = Deputy District Director/Region Chief of Construction.
	Construction (District) Engineer may be delegated to make the final decision,
	except rejections require concurrence from the District Construction Deputy
	Director
Process	■ The Contractor meets with the Resident Engineer to discuss proposal
	concept(s). Proposals can be submitted to reduce total cost of construction,
	construction activity duration or traffic congestion.
	 Contractor sends a formal VECP to the Department for review Multiple Department stakeholders review the proposal before a Final
	Decision is issued
	Workshop
	For projects greater than \$5 million, a Contractor may request a Value
	Analysis Workshop to identify value enhancing opportunities and review
	VECP ideas
	■ For authorized workshops, the Department will pay half the workshop cost
	and does provide a CVS facilitator
Resources	Construction Manual, VECP Project Delivery Directive, Example of a VECP Change
	Order, Success Stories, Information and Procedures Guide
Tracking	■ An annual summary of VECPs is provided in the Caltrans Efficiencies Report.
	A more refined VECP tracking system is currently under development;
	currently data collection includes approved VECP data only (number of VECPs
	and total number of VECPs)
Notable	■ Two VECP categories; general construction activity (cost or time) and
	reduction of traffic congestion.
Savings	Contractor receives 50% of estimated net savings
	For traffic VECPs, the Contractor receives 60% of estimated net savings
Challanasa	Net Savings = Original Contract Costs — Proposed VEP Costs Lack of a detailed VECP tracking system (length of review etc.)
Challenges	Lack of a detailed VECP tracking system (length of review, etc.)Timely reviews
	 Innerly reviews Inefficiencies with multiple stakeholders internal reviews and approvals
	 Contractor's negative perception of the VECPs review process
Interests	Other States' VECP processes
1111616313	Best Practices for encouraging Contractors
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COLORADO (CO)

COLOTIADO (CO)	
Primary Contact	Construction Area Engineers: Kevin Ryburn; kevin.ryburn@state.co.us,
Organization	Laura Zamora; <u>laura.zamora@state.co.us</u> , Mark Straub; <u>mark.straub@state.co.us</u> Decentralized
_	Decentralized
Structure	E Dociona
State Structure	<u>5 Regions</u>
VECP Spec	104.07 - 2019 Standard Specifications
Proposal Type(s)	Preliminary Conceptual and Full (Final)
	■ There are two proposal categories (A&B) where Category A will be any proposal
	involving design and construction of a structure or a change over \$250,000; all
	other proposals will fall under Category B
Overview	The VE Program Manager (Project Development Branch) is responsible for annual
(Roles &	reporting.
Responsibilities)	■ <u>Tech Review</u> = Project Engineer works with Resident and Area Engineer to
	determine Technical Review Panel and facilitates panel's review
	■ <u>Final Approval</u> = Region Program Engineer makes Final Approval/Rejection
	decision based on panel recommendations and consultation with Region
	Transportation Director
Process	Concept Proposal:
	■ Contractors submits concept VECP (abbreviated proposal) to Project
	Engineer for preliminary evaluation Project Engineer discusses conceptual VECPs with Resident Engineer for
	initial approval or rejection and notifies the Contractor of a decision
	Formal Proposal:
	■ Contractor submits formal VECP to Project Engineer
	Category A - a panel of subject matter experts evaluate
	 Category B - a panel consisting of the Project Engineer, Resident
	Engineer, Program Engineer, Area Engineer, and other experts evaluate
	■ The recommendations of the panel are provided to the Program Engineer for
	a decision, then the Project Engineer notifies Contractor in writing of decision
Resources	Construction Manual Guidance
Tracking	-
Notable	■ Appeals can only be made on VECPs (Category A). The Prime Contractor
	submitting the VECP may file a one-time appeal of a denial through the
	Project Engineer to the Region Transportation Director.
Savings	Any net savings less than \$25,000 can be kept by the Contractor:
	Net Savings = [Gross cost of deleted work - Gross cost of added work]
	- Contractor's engineering costs - CDOT's engineering costs
	If the net savings are greater than \$25,000 then the amount over \$25,000 is
	shared equally with CDOT:
	Contractor's Total Incentive = (Net Savings - \$25000)/2 +\$25,000
Challenges	-



FLORIDA (FL)

120111071 (12)	
Primary Contact	Kurt Lieblong; kurt.lieblong@dot.state.fl.us
Organization	Decentralized
Structure	
State Structure	7 Districts & Florida Turnpike Enterprise
VECP Spec	4-3.9 - 2021 Standard Specifications
Proposal Types(s)	Formal Proposal
Overview	The State Value Engineer oversees Cost Savings Initiatives (CSI) and reports on
(Roles &	progress of the CSI program quarterly and annually.
Responsibilities)	■ <u>Tech Review</u> = District Value Engineer (DVE) coordinates
	■ <u>Final Approval</u> = District Director of Operations makes the final decision based on
	recommendations that come from the District Construction Engineer (DCE).
Process	<u>Workshop</u>
	■ A CSI workshop is held prior to the contract start time where potential CSI
	proposals are discussed.
	A concept meeting is scheduled for any CSI proposal that is not discussed
	during the initial workshop.
	A Contractor submits a CSI proposal to the Resident Engineer in the district
	construction office. The Resident forwards the proposal to the DVE.
	■ The DVE distributes a proposal to design for review.
	■ The proposal receives design input and construction weighs in.
	■ Then, the Proposal with comments and a recommendation is forwarded to
	the District Director of Operations who makes the final decision.
Resources	Cost Savings Initiative (CSI) Website, CSI Procedure Guide, Workshop request form,
	Process Control System Flowchart, CSI Presentation
Tracking	■ VE and CSI stats are tracked through a Value Engineering Reporting database.
	The District Value Engineer is responsible for inputting CSI Proposal data into
AL. I. I. I.	the database.
Notable	■ FDOT participates in some of the Contractors Engineering costs & CSI's are
Continue	included on Design/Build projects
Savings	Contractor receives 50% of estimated net savings Not Savings - Construction Cost Savings - Decumented Engineering Costs
Challenes	Net Savings = Construction Cost Savings - Documented Engineering Costs
Challenges	Closing the feedback loop Kooping program going with amployee turnover.
luko za aka	 Keeping program going with employee turnover Exchange of successful VECP practices
Interests	■ Challenges that other states are facing
	■ Practices to encourage Contractors to submit VECP ideas



MISSOURI (MO)

(1117)	
Primary Contact	David Simmons; <u>David.J.Simmons@modot.mo.gov</u>
Organization	Decentralized
Structure	
State Structure	7 Districts
VECP Spec	104.6 - 2020 Standard Specifications
Proposal Type(s)	Concept Proposal, Final Proposal; VECPs and PDVECPs
Overview	The Design Division is responsible for compiling and VE annual reporting.
(Roles &	■ <u>Tech Review</u> = Resident Engineer coordinates
Responsibilities)	■ <u>Final Approval</u> = District Engineer makes final decision
Process	Concept Proposal:
	■ Contractors submit a VECP or PDVECP (Practical Design) to the Resident
	Engineer for Evaluation
	 VECP reduces project cost, improves safety, or decreases time to
	complete project
	 PDVECP provides a product of lesser value using an existing item in place
	■ District Engineer recommends approval or rejection and sends to Division of
	Construction and Materials
	■ FHWA and the Policy and Innovations Engineer provide recommendations
	Division of Construction and Materials send to FHWA for signature
	Resident notifies contractor of decision
	Final Proposal:
	Contractor submits final proposal to the Resident Delia and the district Palia and the series and the series are series as a series and the series are series as a series and the series are series as a series are series are series as a series are series are series as a series are series are series as a series are
	Resident distributes final proposal to the district, Policy and Innovation
	Engineer, FHWA, and the Division of Construction and Materials
	 Review is similar to the Concept Proposal Review (noted above) Resident notifies contractor of decision
Docourees	Practical Design Checklist, Engineering Policy Guide, Submission Form, Practical
Resources	Design Guidance, Review Flowchart, Guide for creating VECP change orders
	(entering into Contract Management System)
Tracking	■ VECP data is recorded in a Department Performance Tracker.
Notable	 Designated review team called the Value Engineering Drive Team comprised
Hotabic	of early career employees (to offer growth opportunities) to review projects
	and populate VE recommendations
Savings	■ The net savings is split 50/50 for VECPs and 75/25 for PDVECPs.
	Net Savings = Construction costs — Documented engineering costs
Challenges	■ Contractors confidence that their VECP idea will be considered
3	■ RE has heavy workload (translating to high turnover rate), so ideas may be
	shot down too early
Interests	■ Learning and communicating new ideas
	■ Tracking methods for VECP data
	■ How to gain support for VE efforts



Dave Simmons

Design-Build Coordinator

Value Engineering Coordinator

Grant Management

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ncdot.gov Missouri Department of Transportation 7th Largest System in the Nation 28,339 miles of Minor Roads 5,517 miles of Major Roads 10,403 Bridges 207 Major Bridges Major Population of 6.1 Million 5100 MoDOT Employees 6-Member Bipartisan Commission 7 Districts Minor 17 cent per gallon fuel tax 48th Rank revenue per mile **Low Volume** 20 Divisions - include Planning, Design, Construction and Materials, Safety and Traffic, Maintenance, Bridge, etc.

Missouri Tracker

A Measure of Department Performance

- Design Value Engineering
 - Roughly 400+ Projects per year
 - Target 25% Value Engineering of Total Projects
 - Have a programmatic VE for Chip Seal Projects

Percent of Awarded Projects with Value Analysis Design Phase





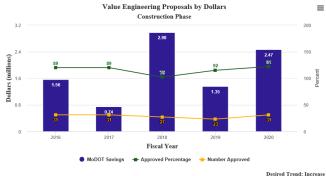
Missouri Tracker

A Measure of Department Performance

Contractor Proposed VE's

- Track:
 - Number of VECP's Approved
 - Percentage Approved
 - Dollars Saved
- Need better Benchmark





ired Trend: Increase



NORTH CAROLINA (NC) - Peer Exchange Host State

	(14c) Teer Exeriange Host state
Primary Contact	Alyson W. Tamer; awtamer@ncdot.gov (State Value Management Engineer)) Rosemary Brybag; Rbrybag@ncdot.gov (Program Manager)
Organization	Hybrid-Decentralization (Value Management is a Central Support Unit)
Structure	
State Structure	14 Divisions
VECP Spec	104-12 – 2018 Standard Specifications
Proposal Type(s)	2-step process (Preliminary [Optional] and Final)
Overview	When a VEP is received, the Resident (Division Office) provides initial feedback to
(Roles &	Value Management (to pursue or not). Value Management is responsible for the
Responsibilities)	VECP process and annual reporting.
Responsibilities	■ <u>Tech Review</u> = VEP Program Manager determines reviewers & coordinates review
	 Final Approval = State Construction Engineer based on technical recommendations
	and consultation with Value Management
Process	Preliminary Proposal:
	 Contractor submits Preliminary Proposal to Value Management, Resident
	Engineer and Design Build (if applicable)
	 Value Management reviews that requirements and met and coordinates
	technical review
	Comments/concerns from the Technical Review are compiled by the Value
	Management Program Manager and discussed with the State Construction
	Engineer who makes the decision to approve or reject the preliminary
	proposal
	The Resident notifies the Contractor of the Decision
	Final Proposal:
	The Contractor submits a final proposal, after addressing comments and
	concerns from the Preliminary Proposal
	Review is similar to the Preliminary Proposal Review (noted above)
	If approved, the State Construction Engineer authorizes the RE to create a
	Supplemental Agreement to carry out the changes in the proposal
Resources	Construction Manual Guidance, Flowchart, Submission Form, Website, FAQs,
	Training Video
Tracking	 Value Management tracks each submission (regardless of approval or
J	rejection) including date received, duration of technical review, overall
	approval status and an implementation check that a Supplemental
	Agreement was executed.
Notable	 Using an internal Knowledge Management Database (CLEAR) to share
	approved VEPs across the state.
Savings	■ Contractor receives 50% of estimated net savings
	Net Savings = Original Contract Costs — Proposed VEP Costs
Challenges	Improving tracking system to make sure all VEPs are captured, even if the
	Resident recommends not pursuing.
	 Keeping momentum going on outreach efforts

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Participating in Peer Exchange



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NCDOT STATS

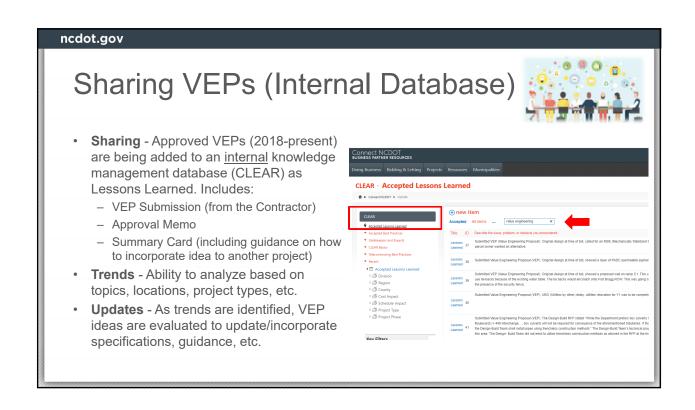
General:

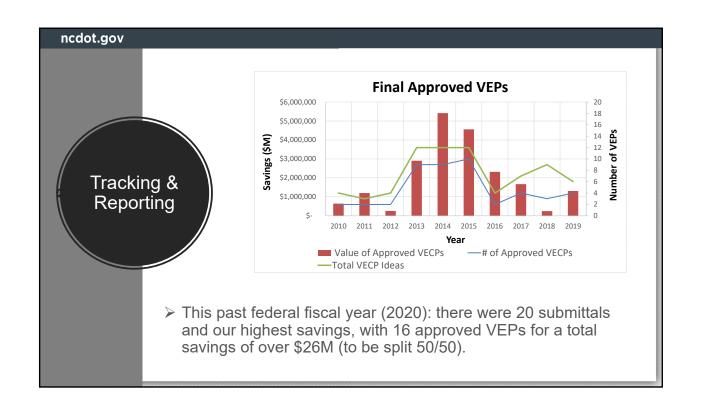
- Population of 10.5 Million in NC
- 9,000-10,000 NCDOT Employees
- 80,000 Centerline Maintained Miles of Roadway (173,000 Lane Miles)
- 18,000 Maintained Structures (13,500 Bridges)

Organization:

- Division of Highways, Rail, Aviation, Ferry, Public Transit, and Bike&Ped
- DMV and Governor's Highway Safety Program
- Turnpike Authority, Ports Authority, and Global TransPark
- 14 Divisions include preconstruction, construction, and maintenance and Central Units









TEXAS (TX)

Primary Contact	Jane Lundquist; Jane.Lundquist@txdot.gov
Organization	Centralized, with Texas Statewide Value Engineering Program managed through the
Structure	Design Division.
State Structure	Texas Transportation Commission, Administration, <u>34 Divisions</u> , and <u>25 Districts</u>
VECP Spec	None
Proposal Type(s)	N/A
Overview	The structure for VECPs used to be in place but there were never many submissions.
(Roles &	The VECP specification was eliminated in the 2004 Specification update. There has
Responsibilities)	been interest in restarting the program, but it would need to be championed
	through our Construction Division, since they are responsible for post-letting oversight.
Process	N/A
Resources	N/A
Tracking	N/A
Notable	■ For Value Engineering (during development and design), there is a point person within each District to work with their District planning office. By using Texas' 10-year Unified Transportation Program, VE Studies are being scheduled earlier in development with greater VE implementation results. District point persons monitor projects' status throughout the VE Job Plan, which helps extend program management efforts.
Savings	N/A
Challenges	■ Reestablishing a VECP Program.
Interests	■ Learning about how VECP programs are set up for other states.
	■ Learning about how to extend Value Engineering efforts with less resources.

JANE C. LUNDQUIST P.E., M.ASCE Statewide Value Engineering Program Program Manager Design Division



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State Stats

- 268,597 sq. mi. divided into 254 counties and served by 25 TxDO7 Districts that develop and design projects for their District.
- 34 Headquarters Divisions in Austin Texas provide service, perform research, and manage statewide programs.
- Approximately 12,000 employees.
- 12 Interstates and 54,180 bridges.
- 80,445 state-owned and maintained centerline miles is 25% of all roadways, but carries 75% of daily vehicle miles traveled. The average daily vehicle miles traveled on all roadways is 747.9B miles.
- Geographically diverse: West Texas deserts and Guadalupe Mountains; North Texas grassland prairies; Central Texas Hill Country; East Texas Piney Woods; and South Texas Coastal tropical island and coastal salt grass.
- Marine transportation system: Ferries operated 24/7 as part of the highway system; support development and intermodal connectivity of 11 Deep-draft and 8 Shallow-draft maritime ports and the Gulf Intracoastal Waterway (Texas Marine Highway M-69).
- Share a 1,254 mile border with Mexico joined by 28 international bridges and border crossings.

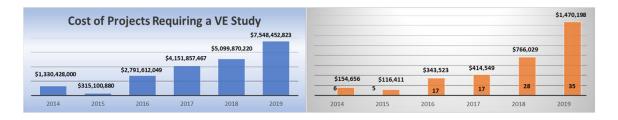


Share more about your program!

- TxDOT does not have a VECP procedure at this time.
- TxDOT hasn't had any VECPs since early 2000s.
- We need a specification and coordination with TxDOT Construction Division post-let management for VECP.

OPTIONAL

- Texas Statewide Value Engineering Program has been active since 1990.
- In 2014 we did 6 VE Studies and in 2019 we did 35.
- To manage the volume, I created a District VE Program Coordinator in each of the 25 Districts.
- I train the District Coordinators in the Value Methodology Job Plan and their management role.



6



VIRGINIA (VA)

Primary Contact	Robert Poutier, PE; robert.poutier@vdot.virginia.gov
Organization	Decentralized
Structure	
State Structure	9 Districts
VECP Spec	104.02 (c) – 2020 Standard Specifications
•	104.02 (b) – Design-Build Standard Template Documents
Proposal Type(s)	Formal Proposal
Overview	When a VECP is received, the Engineer is the sole judge of acceptability of a VECP.
(Roles &	An accepted VECP is processed through a change order.
Responsibilities)	■ <u>Tech Review</u> = Area Construction Engineer (ACE) coordinates the technical review
	■ Final Approval = ACE gives final approval; with concurrence from the Engineer of
	Record (as needed)
Process	Contractor submits VECP to the Area Construction Engineer (ACE).
	 A Contractor can submit a VECP for the purpose of reducing the total
	cost or contract time.
	■ The ACE reviews the VECP with the necessary technical units.
	■ The Department makes the final decision to accept or reject a VECP, then
	processes a VECP in the same manner as any other proposal that would
_	require a change order.
Resources	N/A
Tracking	N/A
Notable	N/A
Savings	■ The Department and the Contractor equally divide net savings or contract time.
	Net Savings = Original Contract Costs — Proposed VEP Costs
	 If a VECP proposes to reduce contract time and is accepted, half of the
	time savings will be used to reduce the contract time and the remaining
	half should be used by the Contractor as extra time.
Challenges	Staying on schedule with reviewing VECPs
	Implementing VECPs into future projects and sharing between districts
Interests	How to make sure VECP review does not interfere with a project's schedule
	How other states are tracking and sharing VECP info



WASHINGTON (WA)

•	,
Primary Contact	Mark Gabel; gabelm@wsdot.wa.gov
Organization	Decentralized
Structure	
State Structure	<u>6 Regions</u>
VECP Spec	1-04.4(2) – 2021 Standard Specifications
Proposal Type(s)	Concept ApprovalFormal Approval
Overview (Roles & Responsibilities)	The Engineer is responsible for the review of the VECP. The Development Division/Design Analysis Office is responsible for annual reporting. Tech Review = The Engineer Final Approval = The Engineer
Process	 Concept Proposal: ■ The Contractor submits a concept VECP to the Engineer ■ The Engineer will coordinate the review and inform the Contractor of a decision ■ Conceptual approval allows the Contractor to proceed with developing final plans Formal Proposal: ■ The Contractor submits to the Engineer a proposal including calculations of quantities to be removed or added, engineering costs, a schedule analysis and working drawings ■ If approved, the VECP will be processed through a change order
Resources	Construction Manual, Construction Change Order Process Guide
Tracking	 Tracked in Construction Contract Information System (CCIS) as a Change Order type
Notable	-
Savings	■ Contractor receives 50% of estimated net savings Net savings = Gross Savings - Contractor's Engineering Costs - Contracting Agency's Costs
Challenges	-



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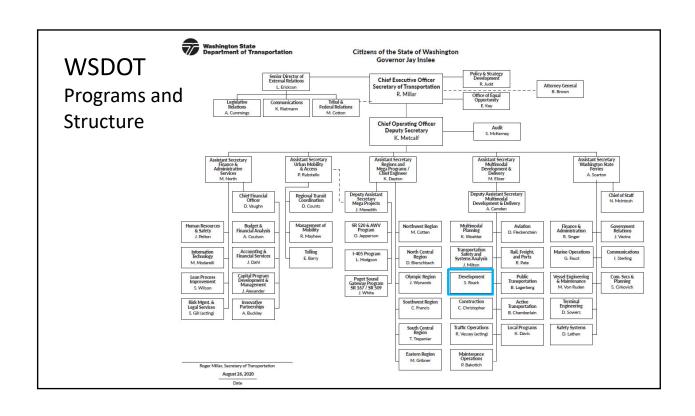
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STATE STATS

Population of 7.615 Million 6,300 WSDOT Employees 18,600 Lane Miles of Roadway 3,300 Maintained Bridge Structures Nations largest Ferry System • 24.2 M Passengers & • 10 M vehicles per yr









WEST VIRGINIA (WV)

WEST VINGINIA (V	
Primary Contact	Shawn Smith; Shawn.A.Smith@wv.gov
Organization	Centralized
Structure	
State Structure	10 Districts
VECP Spec	104.12 – 2017 Standard Specifications
Proposal Types(s)	Formal Proposal; VECPs and PDVECPs
Overview	The Engineer is the sole judge of acceptability of a VECP. The VE Committee is
(Roles &	comprised of upper management and is responsible for the review of the VECP and
Responsibilities)	making a final decision.
Process	The Contractor submits a VECP to the Engineer, and it is reviewed for requirements.
	Then, it is submitted to management who meets together as a VE Committee to approve or deny the VECP.
	 Time to review VECP depends on complexity of VECP submission but normally it takes a series of weeks. Contractor submits a time frame in the VECP for reference.
	If approved, modifications stated in the VECP are executed via a change order.
	For Practical Design Changes (PDVECPs)
	Normally, a proposal will come in as a VECP and the VE committee
	determines whether it is a practical design change.
	PDVECPs are submitted and vetted in the same manner as VECPs.
Resources	Construction Manual, Value Engineering Manual
Tracking	■ There is a software that allows for running reports so stats can be collected
	for annual report; however there is no designated group that tracks VECPs
Notable	VE Committee (*NEW*): ■ The VE Committee is comprised of upper management, and they ask the contractor pre-determined questions about the VECP
	Contractor gives presentation on VECP before the committee
	Upper management votes to approve, deny or approve with conditions
	■ Typically, the committee meeting lasts 1.5-2 hours
	■ District Construction Engineer & Designer are sometimes invited to the VE
	Committee meeting. They review the comments compiled and shared with
Covings	committee before the meeting. ■ Districts determine what the final savings are. These savings may not be split
Savings	50/50; savings could be split 70/30 or 60/40 depending on if a regular VECP or a
	Practical Design Change was approved.
	For VECPs, 50% of the net savings will be paid to the Contractor when the Change
	Order is approved.
	Net Savings = Original Contract Costs — Proposed VEP Costs
Challenges	 Making sure the right people are attending VE Committee meetings



Shawn Smith

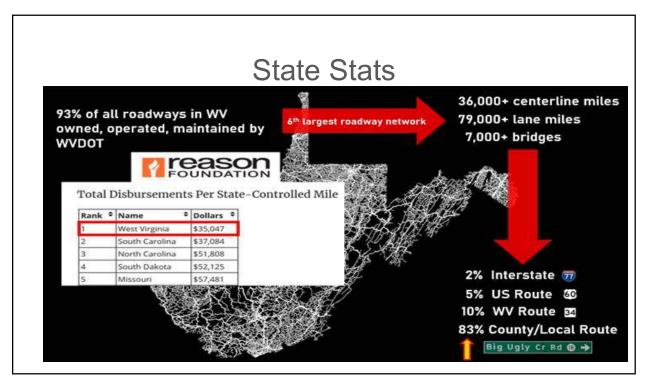
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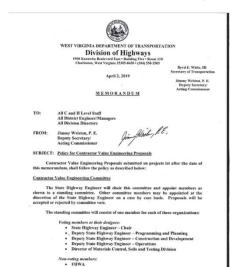
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3

VEP Memorandum



Policy for Contractor Value Engineering Proposals April 2, 2019 Page Two

The contractor shall submit final Value Engineering proposals for presentation and review by the Committee. Access to StebManager is available to all Contractors and contains a report which allows the viewing of the accepted Contractor Value Engineering

As the program develops, the Value Engineering Manual will be revised to implement this policy, including procedural details for the Committee. This document is to be recognized as the WYDOM Value Projectoring Manual for all projects.

This memorandum supersedes the memorandum announcing a pilot program dated December 29, 2011, along with any other policies/revisions dated between December 29, 2011 and the date of this memorandum.

JW:Gd

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Additional Resources

VE Manual

• https://transportation.wv.gov/highways/engineering/files/WVVEMANUAL.pdf

Standard Specifications Section 104.12

• https://transportation.wv.gov/highways/contractadmin/specifications/2017StandSpec/Documents/2017_Standard.pdf





WISCONSIIN (WI)	OF TRANS
Primary Contact	Wayne Chase; wayne.chase@dot.wi.gov
Organization	Centralized
Structure	
State Structure	<u>5 Regions</u>
VECP Spec	<u>104.10 – 2021 Standard Specifications (Cost Reduction Incentive)</u>
Proposal Type(s)	2-step process (CRI concept and CRI proposal)
Overview	Region staff and the Bureau of Project Development Construction Oversight
(Roles &	Engineer work together on the approval process for CRI concepts and proposals. The
Responsibilities)	Bureau of Project Development is responsible for annual reporting.
	■ <u>Tech Review</u> = Project Engineer coordinates
	■ <u>Final Approval</u> = Project Team with input from CRI Validation Team
Process	CRI Concept
	■ CRI concept (including a brief letter with sketches and an estimate of savings
	and costs) is submitted to the project engineer
	■ The project team evaluates concept for merit with input from technical
	experts
	■ CRI Validation Team - also evaluates the concept for merit
	Composed of a person from each region (5 people)
	Team member have mixed roles (QA engineers, Project Managers, etc.)
	CRI Proposal
	 If the CRI concept has merit, the Contractor is invited to submit a CRI proposal, which includes greater detail
	Approved CRI proposals are executed via a change order
	Workshop
	■ Big/Complex projects have a formal CRI workshop – the project engineer,
	project team and oversight engineer are involved
	■ Most projects do not have a formal CRI workshop
Resources	Construction Manual (including flowchart)
Tracking	■ Statewide CRI Database (Excel Sheet) - includes information about the CRI
	proposal & status. The Region Quality Engineer logs all concepts & proposals
Notable	■ If a proposed CRI is initially deemed by the department to have merit, and
	the contractor develops the CRI, but the department later rejects the CRI, the
	department will reimburse the contractor for development costs.
	Copies of approved CRIs should be sent to the Bureau of Project
	Development to share with applicable staff to provide follow through to see
	if these costs saving concepts can be adopted in other projects
Savings	The Contractor receives 50% of the net savings Not Savings - Cost of Work (Original) - Cost of Revised Work - Contractor Cost
	Net Savings = Cost of Work (Original) – Cost of Revised Work – Contractor Cost – Department's Cost
Challanges	■ Pushback from the Contractor Community about rejected proposals
Challenges	(approximately 50% of CRI are accepted)
	■ Disagreements with Contractors on whose idea it was for the CRI proposal
	2.34 bi centertes with contractors on whose faca it was for the Citi proposal



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Organization



Division of Transportation System Development

Design, Construction, Maintenance, Technical Services, Structures

5 Regions (8 offices) Central Office located in Madison



VECP (CRI) Highlights

- Savings is shared 50/50 with contractor
- Implemented CRI Validation Team in 2019
- Historically have approved approximately 50% of submitted concepts

