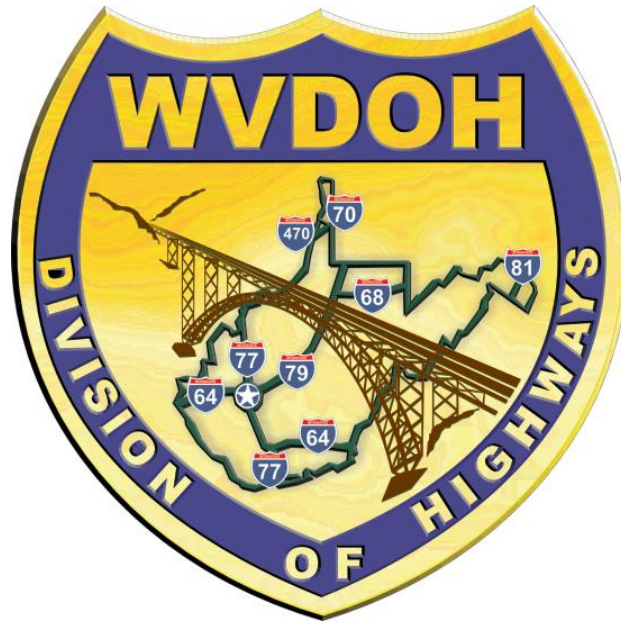


West Virginia Division of Highways Design-Build Program Experience



Report to the Joint Committee on Government and Finance

January 5, 2021



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
Division of Highways
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Byrd E. White, III
**Secretary of Transportation/
Commissioner of Highways**

Jimmy Wriston, P. E.
**Deputy Secretary/
Deputy Commissioner**

January 5, 2021

The Honorable Craig Blair
West Virginia Senate
1900 Kanawha Boulevard, East
Building One, Room 451M
Charleston, West Virginia 25305

West Virginia House of Delegates
The Honorable Eric Householder
1900 Kanawha Boulevard, East
Building One, Room 464M
Charleston, West Virginia 25305

Joint Committee on Government and Finance
1900 Kanawha Boulevard, East
Building One, Room 214W
Charleston, West Virginia 25305

Dear Senator Blair, Delegate Householder, and Committee Members:

Please find enclosed a report on the Division of Highways' Design-Build Program in 2020.

I appreciate your continued support and interest in highway matters. Should you require additional information, please do not hesitate to contact my office.

Sincerely,
Original Signed By
Byrd E. White, III
**Secretary of Transportation/
Commissioner of Highways**

BEW:DLBb
Enclosures

**Report to the Joint Committee on Government and Finance Division of
Highways Experience on Design-Build Projects
January 5, 2021**

This report has been prepared in accordance with West Virginia Code §172D-5. Highway Design-Build Program.

“On or before January 15, 2014 and annually thereafter the commissioner shall prepare and submit to the Joint Committee on Government and Finance a written report evaluating the experience of the Division of Highways with each project, including whether the division realized any cost or time savings, the number and cost of change orders, the quality of work performed, the number of bids received and other issues the commissioner considers appropriate: .

WVDOH Design-Build Program – 2020

During 2020, the West Virginia Division of Highways (WVDOH) has used the Design-Build method of project procurement to award 5 projects. Two of the projects were from the regular program and two projects were awarded under the bond programs.

The design-build project procurement method allows for the design phase and construction phase of a project to be completed by a team, usually a contractor paired with an engineering firm, which typically allows the project to be completed on an accelerated schedule because design and construction can occur concurrently. WVDOH has experienced these time savings on nearly all the design-build projects. With the contractor owning the design from the beginning, they can steer the final design to fit their company's individual strengths while providing a final product that meets the requirements of the original contract. This not only allows for innovation on projects, but it also allows for a better final product which benefits the travelling public. The quality of work performed has been comparable to the projects awarded through the design-bid-build process. The number of contractors that bid on the design-build projects for the WVDOH has increased since the first design-build projects were awarded. The increased competition for projects has led to more competitive bids and a larger number of bids in general. Another benefit of having one team complete the project is the reduction in number of change orders and value engineering proposals compared to traditional design-bid-build projects. It should be noted that all contracts, whether design-bid-build or design-build, will have at least one administrative change order to finalize and close out the project because of the software used to manage the schedule and funds for the projects.

The Design-Build tool continues to be one of the most valuable tools that the WVDOH has at its disposal for expediting work and maintaining quality in design and construction. WVDOH has reported extremely favorable results to the Legislature for all 14 years since the Legislature approved the use of design-build project delivery. As can be seen from the attached list of projects, this tool remains crucial in the delivery of the Roads to Prosperity Program.

Beginning July 1, 2019, the DOH was required to track contractual obligations of the design-build program instead of contract expenditures. This section of the code was changed to mirror the tracking procedures with federal funds.

Project List

PROJECT NAME	STATE PROJECT NUMBER	LETTING	LOW BID	# OF BIDS REC'D	# OF CHANGE ORDERS	CHANGE ORDER COST
<i>BOND PROJECTS</i>						
US 340: VA line - Charles Town	U319-340-0.00	8/11/2020	\$38,700,000.00	2	0	\$0
WV 2 Widening: Proctor to Kent	U352-2-11.66	12/8/2020	\$95,900,000.00	2	0	\$0
Roach Church Bridge +2	S306-31-0.45	9/15/2020	\$5,095,992.50	8	0	\$0
<i>REGULAR PROGRAM PROJECTS</i>						
Halleck Road OP	S331-79-143.81	3/10/2020	\$7,813,012.06	5	1	\$0
Col. Ruby Bradley Bridge	U344-33-12.76	9/15/2020	\$5,800,000.00	7	0	\$0

***Projects listed with no change orders are not at the point to finalize the project which would reflect the final administrative change order.**