

**A Project Scorecard has been prepared for every project that has been evaluated and scored. The Scorecard is a snapshot of project information. The following provides a brief overview of the information contained on the Scorecard.**

1. This section includes the project name as submitted by the eligible entity. A shortened description of the project is included on the scorecard. For more detailed information about the project, the application can be accessed using the HB2 Application Tool at <http://hb2app.virginiahb2.org/#/>.
2. This section includes information submitted by the applicant as well as information from VDOT's systems:
  - a. *Project Location* is defined based on the mapped location included in the application.
  - b. *HB2 Area Type* is based on the Project Location relative to the PDC-MPO Factor Weighting Typology Map included in the HB2 Policy and Implementation Guide. There are four Area Type weightings: A, B, C, D. Area types and the weightings are included in Table 4.2 of the HB2 Policy and Implementation Guide.
  - c. *Submitting Entity* is the eligible entity who submitted the application.
  - d. *Total Project Cost* and *HB2 Request* is information included in the application. The Final Score uses the HB2 requested amount to determine the benefits of the project relative to its cost. In addition, a Final Score based on Total Cost is also calculated for the CTB's consideration.
  - e. *Preliminary Engineering, Right of Way, and Construction* are based on schedule information provided by the applicant. The field is limited to "Not Started", "Underway", or "Complete" for each phase of the project.
  - f. *Expenditures to Date* and *Key Fund Sources* are based on information included in VDOT's Six-Year Improvement Program (SYIP). If the fields include an N/A, the information was not available or not applicable.
  - g. *Administered By* is included in the project application and establishes who will administer the project. The field is limited to "VDOT", "Locality", or "Other".
  - h. *Eligible Funding Program(s)* is defined in the HB2 Implementation and Policy Guide. An applicant may be eligible for the "District Grant", "High Priority", or "Both" grant programs.
  - i. The map is based on the polygon drawn by the applicant and as included in their project application.
3. This section of the scorecard establishes how the project performed as a result of screening and scoring the application.
  - a. In accordance with the Code of Virginia, all projects submitted for the HB2 process must pass through an initial screening and must meet a need identified in

the Virginia Multimodal Transportation Plan (VMTP) Needs Assessment conducted as part of VTrans2040. Projects were evaluated to determine if they met a need on a Corridor of Statewide Significance, Regional Network, Urban Development Area, or Transportation Safety Need. The information included on the how the project met the screening requirements. For additional information about specific needs, each scorecard includes a link to the [VMTP Needs Assessment](#).

- b. Project scores were based on a calculation of benefits relative to cost. Values were calculated for various measures corresponding to factors that were identified in Code: Congestion Mitigation, Safety, Accessibility, Environmental Quality, Economic Development and Land Use Coordination (for areas with a population over 200,000). Measure scores were determined based on the project's performance compared to the rest of the cohort. Individual measure scores were weighted within each factor area then weighted by factor area to determine the "Project Benefit Score". Finally, the "Final Score" was calculated as the Project Benefit Score relative to the amount of HB2 funding requested and total project cost. Methodologies and specific scoring methods are described in more detail in the HB2 Implementation and Policy Guide. The project application "Statewide Rank" is based on the entire cohort of projects. The project application "District Rank" identifies how the project performed within the individual construction district where the project is located.
4. This section of the scorecard identifies how the project performed for each of the five factors, or six factors in areas with a population greater than 200,000.
- a. The first row of the table identifies the six factors that were evaluated.
  - b. The second row includes the weighting of each factor area based on the HB2 area type, or typology. In the scorecard example, the project is located in HB2 area type B.
  - c. The third row includes the weighting of each measure within a factor. The measure weighting for all projects is the same.
  - d. The fourth row identifies the evaluation measures that were used to assess the benefits of the project relative to each of the factors.
  - e. The final row includes the results of the analysis. The result included in this row is the "Measure Score" or the numerical score given to each measure based on the measure value as a percentage of the maximum value. Thus the highest "Measure Score" will be 100 for the project that has the greatest benefit for that measure. If a "Measure Score" is blank, then the measure value was not applicable or data was not provided.

Additional information on how to calculate the "Final Score" is included in the HB2 Implementation and Policy Guide, Chapter 4. Additional data for each project is included in the [HB2 Project Scores file](#).

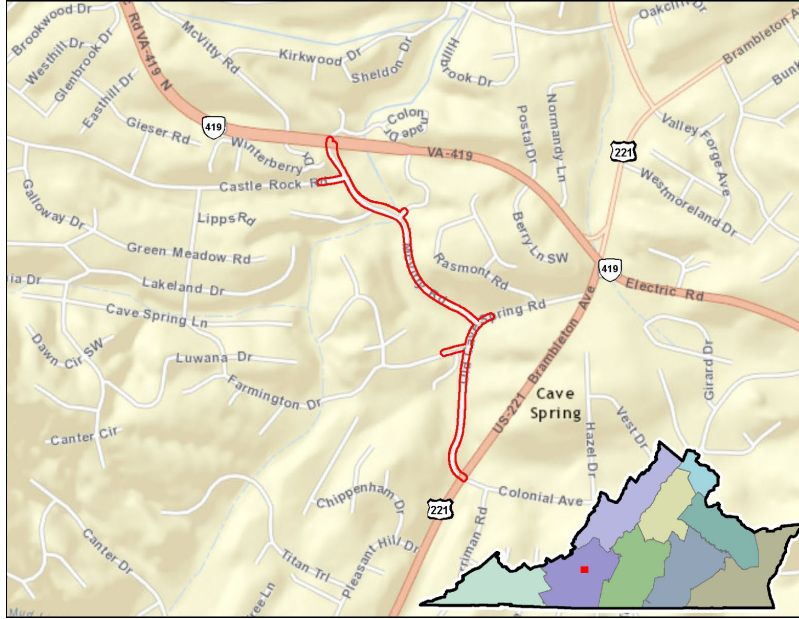
## PROJECT SCORECARD

McVitty Road and Old Cave Spring Road Improvements

App Id: 605

Improve safety and congestion at McVitty Rd (Rte 1662) and Old Cave Spring Rd (Rte 1663) by reconstructing the intersection, widening lanes and shoulders, adding turn lanes, improving curves, and upgrading Rte 419/1662 signal

Project Location .....	Roanoke County
HB2 Area Type .....	B
Submitting Entity .....	Roanoke County
Total Project Cost .....	\$19,305,742
HB2 Request .....	\$12,946,546
Preliminary Engineering .....	Underway
Right of Way .....	Underway
Construction .....	Not Started
Expenditures to Date .....	\$5,388,339
Key Fund Sources .....	Fed/State Disc.
Administered By .....	VDOT
Eligible Funding Program(s) .....	District Grant



### Performance

VTrans Need: Cave Spring Urban Development Area

[Click for details](#)

### Project Benefit Score

1.4

### HB2 COST TOTAL COST

<b>Final Score</b>	<b>1.1</b>	<b>0.7</b>
Statewide Rank	177/287	186/287
District Rank	23/37	25/37

Congestion Mitigation		Safety		Accessibility			Environment		Economic Development			Land Use
15% of score		20% of score		25% of score			10% of score		20% of score			10% of score
50%	50%	50%	50%	60%	20%	20%	50%	50%	60%	20%	20%	100%
Increase in Daily Person Throughput	Decrease in Person Hours Delay	Reduction in Fatal and Severe Injury	Reduction in Fatal and Severe Injury Rate	Increase in Access to Jobs	Increase in Access to Jobs for Disadvantaged Populations	Improved Access to Multimodal Choices (Users Benefit Value)	Air Quality (Total Benefit Value)	Acres of Natural/Cultural Resources Potentially Impacted	Economic Development Support (Sq. ft.)	Intermodal Access Improvements (Tons Benefit Value)	Travel Time Reliability Improvement	Transportation Efficient Land Use
0	0.3	4.5	2.2	0	0	0	0	8.0		0	7.5	0