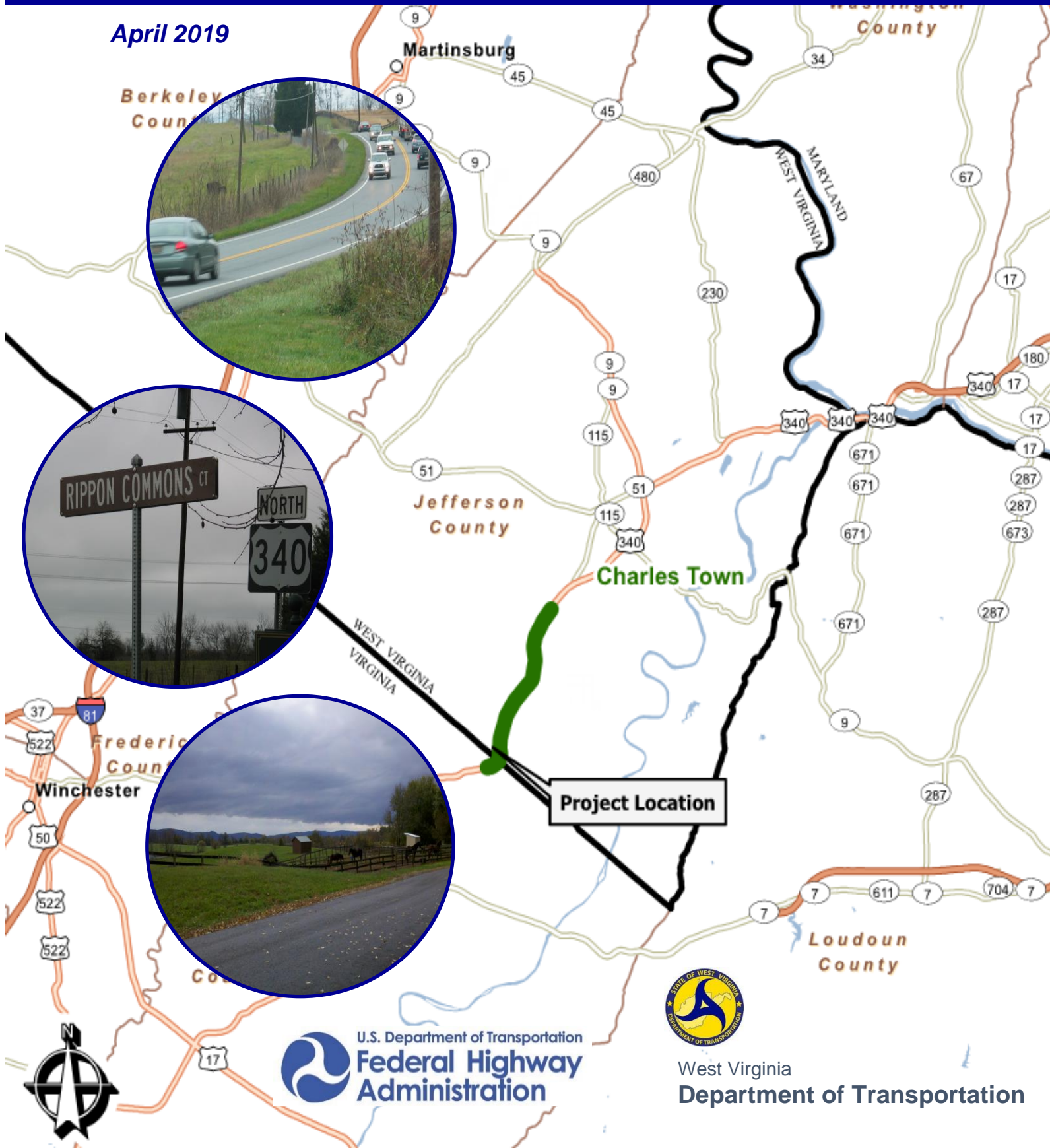


Final Environmental Impact Statement

US 340 Improvement

Jefferson County, West Virginia

April 2019



FHWA-WV-EIS-01-1-D
State Project U219-340-0.00(02)
Federal Project NH-0340(030)

US 340 IMPROVEMENT STUDY Jefferson County, West Virginia

FINAL ENVIRONMENTAL IMPACT STATEMENT

Submitted Pursuant to: 42 USC 4332(2)(c), 23 USC 128(a),
49 USC 303(c), 16 USC 470(f) and
80 Stat. 931, Public Law 89-670

U.S. Department of Transportation - Federal Highway Administration and
West Virginia Department of Transportation - Division of Highways

3/27/19
Date of Approval

Jimmy Winsten, P.E.
For West Virginia Division of Highways

4/16/19
Date of Approval

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This Final Environmental Impact Study evaluates the engineering aspects and potential impacts to the social, economic, cultural, natural and physical environment associated with the construction the proposed project in Jefferson County. The proposed US 340 Improvements would provide a four-lane highway with partial control of access on new and existing location.

A Federal agency may publish a notice in the Federal Register, pursuant to 23 USC §139(l), indicating that one or more Federal agencies have taken final action on permits, licenses, or approvals for a transportation project. If such notice is published, claims seeking judicial review of those Federal agency actions will be barred unless such claims are filed within 150 days after the date of publication of the notice, or within such shorter time period as is specified in the Federal laws pursuant to which judicial review of the Federal agency action is allowed. If no notice is published, then the periods of time that otherwise are provided by the Federal laws governing such claims will apply.

Comments on this Final Environmental Impact Statement are due by June 7, 2019 and should be sent to:

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Charleston, West Virginia 25301-0430

List of edits between the signed SDEIS and FEIS for the US 340 widening project

FEIS Page	Section	Description
Various	Various	Adjusted references to SDEIS vs FEIS
Signature	-	Changed <i>23 USC §139(1)</i> to <i>23 USC §138(l)</i> (change number 1 to letter l).
I-1	I.A	Clarification of VDOT role in project; reference to Interstate Agreement added; revised last sentence of last paragraph
I-2	I.A	Added acronym (AASHTO) to last paragraph of Section A.
I-3	I.B	Summary of 2016 SDEIS public hearing added; Revised “highest” to “high cost of construction due to relocating...”; Revised “Oak Hill” subdivision to “Rippon Commons” subdivision
I-6	I.D	Clarification about tabulated farmland acreages added; stream & wetland discussion updated
I-7	I.D	Acreages/lengths adjusted to reflect 2017 update to extents of streams and wetlands; farmland acreages updated.
I-8	I.F	Updated discussion of historic resources to include Summit Point Battlefield
I-11	I.G	Language regarding ongoing Section 106 consultation removed
I-11	I.H	Section 106 commitments, watershed info, BMPs, and other standard commitment language added per agency comments. Coordination with DGIF regarding loggerhead shrike & Madison cave isopod required. Mussel surveys will be completed prior to construction; added “and human” to the first paragraph
II-1	II	Clarification of project endpoint
II-1	II	Clarification of VDOT role in project; reference to Interstate Agreement added
II-2	II	Updated stream information; grammatical correction, paragraph 2 – deleted second “in”
II-4	II.A	First sentence – corrected punctuation; Summary of 2016 SDEIS public hearing added; Revised “highest” to “high cost of construction due to relocating...”; Revised “Oak Hill” subdivision to “Rippon Commons” subdivision
II-5	II.B	Last paragraph revised for readability
II-6	II.C	Added “although the speed limit is reduced to 40 mph through Rippon” in the next to last sentence in paragraph two.
II-7	II.C	Spelled out “vpd” (vehicles per day) for first time use.
II-12	II.E	Grammatical correction of VA 340 to US 340
II-14	II.F	Deleted last sentence of first full bullet paragraph
III-1 to III-4	III	Corrected naming convention for Kabletown Rural Historic District; added reference to Envision Jefferson 2035 to support eliminating Mass Transit and TSM alternatives; Summary of 2016 SDEIS public hearing added; Revised “highest” to “high cost of construction due to relocating...”; Revised “Oak Hill” subdivision to “Rippon

FEIS Page	Section	Description
		Commons” subdivision; expanded discussion of alternatives and reasons for elimination.
III-6	III.A.2	Revised “Oak Hill” subdivision to “Rippon Commons” subdivision
III-7	III.A.2	Revised “Oak Hill” subdivision to “Rippon Commons” subdivision
III-8	III.B	Spelling correction of judgment
III-9 to III-11	III.C	Minor adjustments to alternate ranking based on updated extents of streams, wetlands, and adjusted impacts to historic resources after including the Summit Point Battlefield
III-12	III.D	Updated discussion based on adjusted rankings; replaced “take” with “require the acquisition of”; Revised “Oak Hill” subdivision to “Rippon Commons” subdivision; adjusted acreages to agree with Table III-3.
III-13	III.D	Added statement to define “active” prime and unique, and statewide and locally important farmland.
IV-4	III.A.2	Top sentence deleted for clarity
IV-9	III.A.3.a	Adjusted number of build alternates from “four” to “three” to reflect the number of remaining build alternates under consideration
IV-10	IV.A.4	Paragraph 2, last sentence corrected verb tense
IV-11	IV.A.5.a	Added discussion on Ryan’s Glen and Rippon Commons subdivisions
IV-13	IV.A.5.d	Deleted the phrase “improving emergency response times”
IV-14 to IV-16	IV.A.6	Various text additions/clarifications for EJ discussion
IV-15	IV.A.6	Grammatical corrections and deleted last sentence of third bullet for clarification
IV-17	IV.B.1	Interim language about SHPO coordination and MOA development deleted; corrected verb tenses.
IV-17	IV.B.1	Deleted last sentence of second paragraph now that an MOA has been executed
IV-20 thru 22	IV.B.2	Additional coordination points inserted and various corrections
IV-24	IV.B.3	Description of 2017 archaeological survey and SHPO concurrence added
IV-24	IV.B.3	Added paragraph regarding the Phase I Archaeological Survey from 2016
IV 24	IV.B.4.a	Reworded last sentence to remove redundancy
IV-26	IV.B.4.b	New Section describing the battlefield evaluation; Added language to clarify content of referenced exhibits
IV-27	IV.B.4.c	Added language to clarify content of referenced exhibits
IV-27	IV.B.4.c	Clarification that McPherson-Adams House is eligible under Criterion A
Various	IV.B.4	Added SHPO site numbers for individual resources

FEIS Page	Section	Description
IV-30 to IV-32	IV.B.4.d	Revised language effect findings: St. John's Episcopal Church is "No Adverse Effect;" Norfolk-Southern Railroad is "No Effect;" McPherson-Adams House is "No Effect";
IV-31	IV.B.4.d	Corrected acreage; removed language regarding ongoing consultation process, clarifying alignment shifts may be explored during final design to minimize impacts
IV-31	IV.B.4.d	Deleted reference that "no contributed structures are impacted" within Byrdland property
IV-33	IV.B.4.d	Revised Bullskin Run Historic District paragraph to include removal of Byrdland tenant house and impact to Site 46JF603. Revised description of "small bridge." Adjusted acreage to reflect updated totals; Revised number of remaining build alternates to "three" in the discussion on Beverly Farm; Added paragraph on Summit Point Battlefield
IV-33 to IV-34	IV.B.4.e	Clarification added regarding Section 106 MOA commitments; removed references to ongoing consultation process; modified last bullet item for clarification
IV-40	IV.C.2.a	Added language about stream extents, that Bullskin Run is stocked with Trout, and that Long Marsh Run and Bullskin Run will require mussel surveys
IV-40	IV.C.2.a	Revised text for consistency and clarification
IV-41	IV.C.2.a	Revised "stream-runs" to "stream crossings"
IV-39 to IV-41	IV.C.2.a	Revised number of streams to "two" based on recent stream delineation efforts; Deleted second bullet in list since no stream was identified at that location; added language regarding BMPs for public water drinking sources; revised layout of Table IV-12
IV-41	IV.C.2.a	Lengths adjusted to reflect 2017 update to extents of streams
IV-43	IV.C.2.d	Revised last sentence of this section
IV-45	IV.C.2.f	Permit discussion updated to include VA requirements
IV-46	IV.C.3	Added language defining wetlands and discussing 2017 determinations that resulted in updated extents for streams and wetlands
IV-47	IV.C.3	Revised last paragraph in this section
IV-49 to IV-51	IV.C.4.a	Added two paragraphs to opening statements regarding wildlife passage. Added statement regarding recent correspondence (August 2018) with USFWS; Restated biological assessments and conclusions to reflect the USFWS letter.
IV-51	IV.C.4.a	Added language regarding Gaylord Calcareous Marsh Conservation Site with coordination commitments for Loggerhead shrike
IV-55	IV.C.5.b	Shifted text around Table IV-15
IV-55	IV.C.5.b	Added ID reference numbers to resources in Table IV-15
various	IV.C.5.b	Added ID reference numbers to resource descriptions
IV-59	IV.C.5.b	Added description for Summit Point Battlefield

FEIS Page	Section	Description
IV-60	IV.C.5.c	Added Summit Point Battlefield to the list of moderate visual impacts; modified list of low visual impact; revised last bullet
various	IV.C.6	Shifted text around to display tables
IV-66	IV.C.6.d	Deleted reference to Exhibit IV-9 due to inaccurate description; updated table reference in first bullet
IV-70	IV.C.6.d	Cleaned up text following Table IV-20
IV-72	IV.C.6.e	Corrected three detailed study build alternates
IV-74	IV.C.7	Added the date January 2015 to the last sentence of this section.
IV-74	IV.C.7.a	Corrected three detailed study build alternates
IV-75	IV.C.7.b	First paragraph, sentence three – revised for readability
IV-76 to IV-77	IV.C.7.c	New section to discuss air quality permit requirements added
IV-77 to IV-79	IV.C.7.d	Revised section on Climate Change (Section IV.C.7.c in SDEIS)
IV-79	IV.C.8	Added reference to Table IV-22; Added language regarding VA hazmat requirements
IV-81	IV.C.8	Updated when tanks were removed at Dave’s Auto Sales
IV-83 to IV-85	IV.D.2	Added language regarding construction dust, open burning, and fuel-burning equipment
IV-84	IV.D.2	Revised 3 rd bullet under Fuel Burning Equipment.
IV-85	IV-D.3.a	Second paragraph, combined paragraphs from the SDEIS and added a sentence for clarification.
IV-87 - 88	IV.D.3.a	Revised last paragraph.
IV-88	IV-D.3.b	Added second paragraph.
various	Exhibits IV-XX	Inserted new Exhibit IV-4 for Summit Point Battlefield and renumbered former Exhibits IV-4 to IV-9 to Exhibits IV-5 to IV-10.
V-5 - 29	various	Rearranged this Section for better readability and clarity.
V-1	V	Changed “evaluation” to “protection”
V-2 to V-5	V.A	Revised SHPO to WV SHPO; Deleted last sentence of second paragraph; Added text on Section 106 consultation process; Revised “Oak Hill” subdivision to “Rippon Commons” subdivision
V-24	V.C.4.a	Formerly Section V.B.4.a in SDEIS; Clarification added regarding Section 106 MOA commitments
V-5 to V-15	V.B.1 to V.B.7	Formerly Sections V.C to V.I; Miscellaneous corrections and clarifications regarding Section 106 MOA commitments, corrected acreages, and text revisions and additions for clarity.
V-16		Formerly Section V.J in SDEIS; Deleted this section.
V-17	V.C.1	Formerly Section V.B.1 in SDEIS; Updated first paragraph to include Summit Point Battlefield
V-18	V.C.1	Formerly Section V.B.1 in SDEIS; Added Summit Point Battlefield to bullet list of eligible resources
V-18 to V-22	V.C.2	Formerly Section V.B.2 in SDEIS; Inserted “property” to clarify impact; added sentence regarding impacts to Summit Point

FEIS Page	Section	Description
		Battlefield to each of the alternate descriptions; updated acres of right of way acquisition from historic properties for alternates 10A, 10B, and 11; added paragraph at end of section regarding Summit Point Battlefield
V-23	V.C.3	Formerly Section V.B.3 in SDEIS; Added sentence to opening paragraph on Summit Point Battlefield and US DOI concurrence
V-24	V.C.4	Formerly Section V.B.4 in SDEIS; Revised sentence regarding Alternate 11.
V-24	V.C.4.a	Formerly Section V.B.4.a in SDEIS; Revised for readability; Clarification added regarding Section 106 MOA commitments
V-24 to V-25	V.C.4.b	Formerly Section V.B.4.b in SDEIS; Revised to include Summit Point Battlefield; removed reference to Ripon Lodge impact from Alt 4 discussion; updated impact values for Alternate 4A
V-25	V.C.4.b	Formerly Section V.B.4.b in SDEIS; Updated values in Table V-1 and subsequent descriptions of impacts for remaining build alternates
V-26	V.C.4.b	Formerly Section V.B.4.b in SDEIS; Added Summit Point Battlefield to Table V-2 and adjusted totals
V-27	V.C.4.d	Formerly Section V.B.4.d in SDEIS; Text edits for consistency and clarification.
V-27	V.C.4.f	Formerly Section V.B.4.f in SDEIS; Revised "stream" to "wetland" and added "active" farmland.
V-27	V.D	Formerly Section V.J in the SDEIS; Corrected to specify 2-3 contributing elements impacted by remaining build alternates; Updated language to reflect conclusion of Section 106 consultation process; Added text on Summit Point Battlefield.
Exhibits	V	Deleted Exhibit V-1; Renumbered Exhibits V-2 to V-13 to Exhibits V-1 to V-12; Added boundary for Summit Point Battlefield to Exhibit V-5; Added Exhibit V-12 to illustrate impacts to Summit Point Battlefield.
VI-1	VI	Added preparer
VII-2	VII.C	Summary of 2016 SDEIS public hearing added
Figures	All	Updates labels; added historic resource site identification numbers to appropriate figures; updated extents for streams/wetlands.
Appendices	B	Added June 26, 2018 Correspondence transmitting final MOA; Added August 8, 2018 email correspondence from USFWS

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