



Western Rail Corridor

TIGER 7 Grant

Dan Delabruere, Rail Director
Vermont Agency of Transportation

January 06, 2016

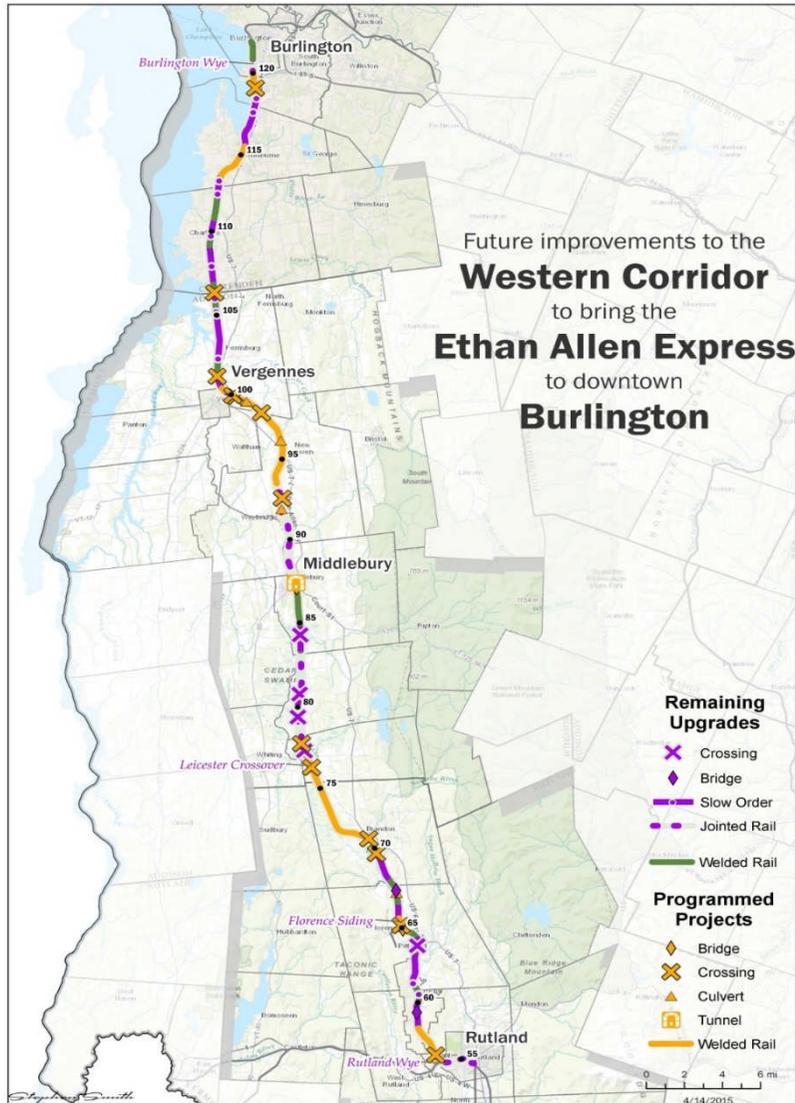


TIGER 7 Rail Project

Project Goals

- Freight Rail State of Good Repair
- Allow for the Extension of Passenger Rail Service to Burlington
 - Major passenger rail priority in State Rail Plan
 - Implements the intended purpose of over \$60 million in federal investments along the western rail corridor.

TIGER 7 Rail Project



Major Project Components

- 11 miles of new rail
- 5 crossing upgrades
- Rehabilitate wye in Rutland
- Station platforms
- Passing sidings
- Bridge rehab

TIGER 7 Rail Project

Project Fund by Sources

	TIGER	Other Federal	State	Total
Welded Rail	\$11,300,000	\$0	\$2,005,000	\$13,305,000
Track Upgrades	\$700,000	\$0	\$2,005,000	\$2,705,000
Crossing Upgrades	\$0	\$3,375,000	\$375,000	\$3,750,000
Bridge Repairs	\$0	\$0	\$1,200,000	\$1,200,000
Station Platforms	\$0	\$0	\$5,500,000	\$5,500,000
Total	\$12,000,000	\$3,375,000	\$11,085,000	\$26,460,000

Vermont requested \$12 million in TIGER funds but was awarded \$10 million.



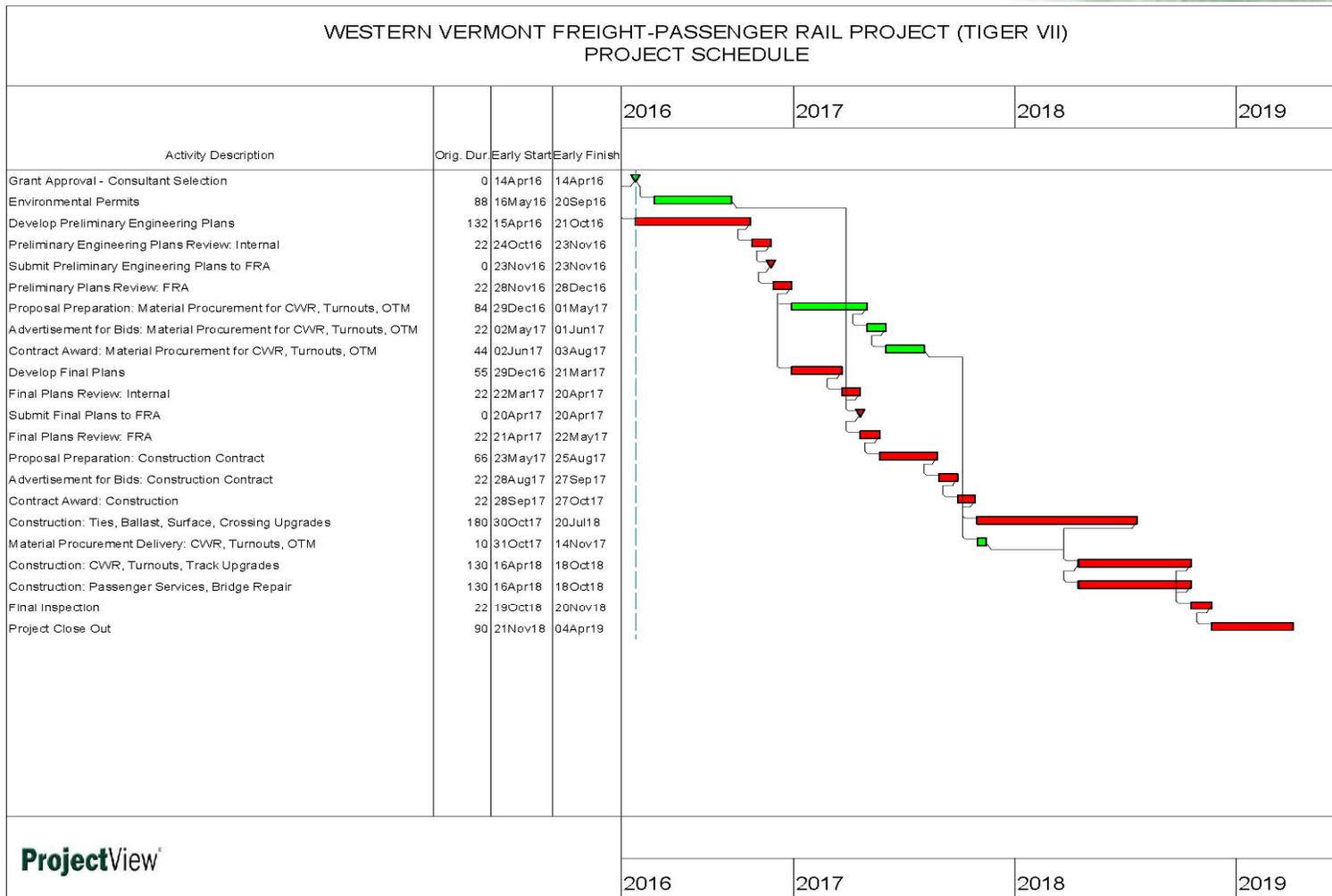
TIGER 7 Rail Project

VTR VERMONT TIGER GRANT SCOPE & ESTIMATED COSTS					
VTR Northern Subdivision from Rutland to Burlington					
PROJECT COORDINATES					
VTR Northern Sub Rutland, VT	43.605691 -72.981483				
VTR Northern Sub Burlington, VT	44.476839 -73.219690				
DESCRIPTION OF WORK	MP From	MP To	QTY	UNIT COST	PROJECT COST
Remove and Install Wood Crossties (EA)	88.50	93.48	4,980	\$90.00	\$448,200
Furnish and Place Ballast Surface Course (T)	88.50	93.48	2,660	\$40.00	\$106,400
Raise, Align and Surface Track (TF)	88.50	93.48	26,295	\$4.00	\$105,180
Install 115 Lb CWR to replace 105lb 39' jointed rail (LF)	88.50	93.48	52,590	\$75.00	\$3,944,250
Remove and Install Wood Crossties (EA)	76.99	83.32	6,330	\$90.00	\$569,700
Furnish and Place Ballast Surface Course (T)	76.99	83.32	3,300	\$40.00	\$132,000
Raise, Align and Surface Track (TF)	76.99	83.32	33,430	\$4.00	\$133,720
Install 115 Lb CWR to replace 100lb 105lb 39' jointed rail (LF)	76.99	83.32	66,850	\$75.00	\$5,013,750
Upgrade Crossing, Pittsford, 851-316J, Town Hill Rd	63.48		1	\$600,000.00	\$600,000
Upgrade Crossing, Leicester, 851-340M, Old Jerusalem Rd	77.34		1	\$600,000.00	\$600,000
Upgrade Crossing, Salisbury, 851-344M, Hubbard Rd	79.40		1	\$600,000.00	\$600,000
Upgrade Crossing, Salisbury, 851-346B, Creek Rd	80.77		1	\$600,000.00	\$600,000
Upgrade Crossing, Middlebury, 851-351X, Morse Rd	84.28		1	\$600,000.00	\$600,000
Track Upgrade, Rutland, Yard Wye Rehabilitation	54.22		1	\$200,000.00	\$200,000
Track Upgrade, Pittsford, Florence Siding	63.50		1	\$1,200,000.00	\$1,200,000
Track Upgrade, Leicester, Crossover Switch	77.50		1	\$120,000.00	\$120,000
Track Upgrade, Vergennes, Realign Track Close Clearance	100.50		1	\$400,000.00	\$400,000
Track Upgrade, Rutland-Burlington, Resurfacing			1	\$1,000,000.00	\$1,000,000
Track Upgrade, Burlington, Yard Power Switches	121.62		1	\$400,000.00	\$400,000
Passenger Services, Middlebury, Amtrak Platform	87.40		1	\$1,600,000.00	\$1,600,000
Passenger Services, Vergennes, Amtrak Platform	100.60		1	\$1,200,000.00	\$1,200,000
Passenger Services, Burlington, Amtrak Platform	121.62		1	\$1,600,000.00	\$1,600,000
Bridge Repairs, Rutland-Burlington, Potential Bridge Rehabilitation				\$960,000.00	\$960,000
TOTAL CONSTRUCTION COST					\$22,133,200
Admin (Lump Sum)					\$120,000
PE (Lump Sum)					\$1,397,476
Construction Engineering 7%					\$1,549,324
Contingency 5%					\$1,260,000
TOTAL PROJECT COST					\$26,460,000
FUNDING SOURCES					
GRANT REQUEST					\$12,000,000
OTHER FEDERAL					\$3,375,000
VERMONT STATE MATCH					\$11,085,000
TOTAL PROJECT COST					\$26,460,000





TIGER 7 Rail Project



TIGER 7 Rail Project

Implementation Issues: Funding Gap

- U.S DOT awarded VTrans \$2 million less than requested
 - Cannot be absorbed within existing project budget
 - Funding will be needed in FY18/19

TIGER 7 Rail Project

Implementation Issues: Community Plans for Stations and Parking

- Stations and parking not included in grant application
 - Platforms will be installed
 - Communities along corridor still in the planning process for stations and platforms
 - Permitting may be complicated

TIGER 7 Rail Project

Implementation Issues: Platform Designs

- Platforms must be ADA-compliant
 - High-level platforms are required
 - Federal waiver process exists to seek exemption and develop alternative platform design (i.e. mini-high platforms)

TIGER 7 Rail Project

Implementation Issues: Train Turning in Burlington

- Amtrak provided operating costs for two alternatives (incremental to Burlington)
 - Approximately \$900,000/year with two locomotives to turn the train in Burlington vs. \$350,000 to build a wye in Burlington and run a single locomotive
 - Building a wye in Burlington will likely require a lengthy permitting process.
 - Alternative is to rehab the NECR line and extend the train to Essex Junction



TIGER 7 Rail Project

Questions / Comments?

