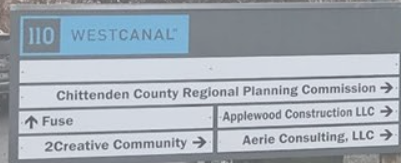


Introduction to Metropolitan Transportation Planning Session 3

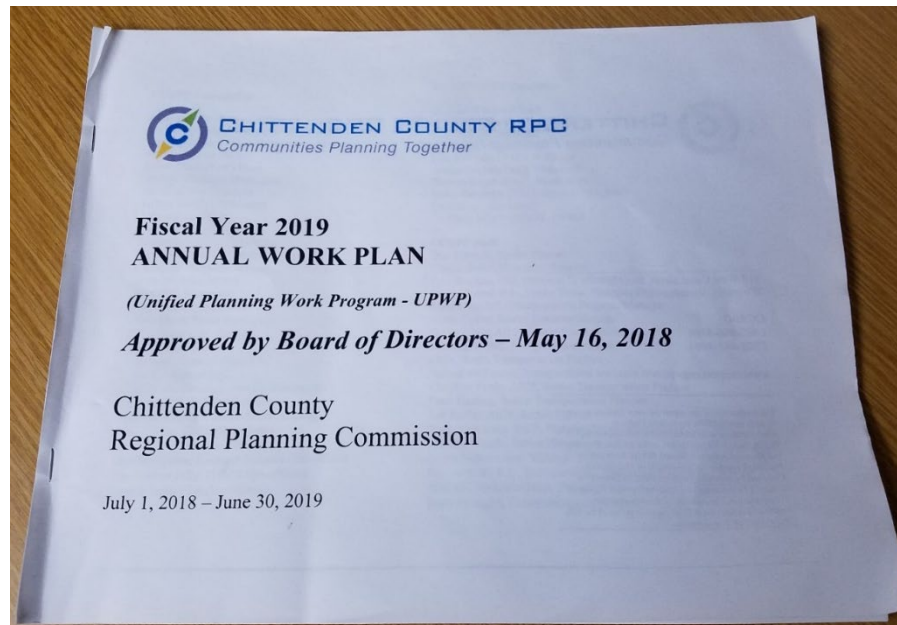
November 28, 2018



CHITTENDEN COUNTY RPC
Communities Planning Together

UPWP: Our Work... A Closer Look

- Serves as the annual work program for our activities & projects
- Updated each fiscal year with projects and deliverables (July 1 - June 30)



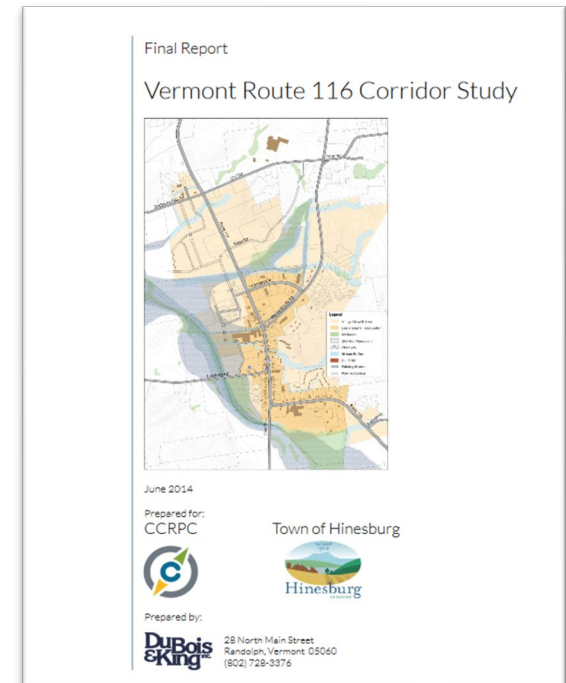
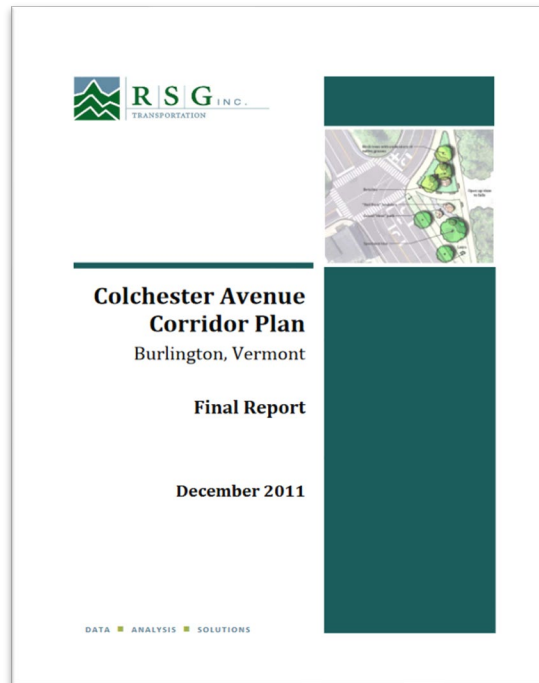
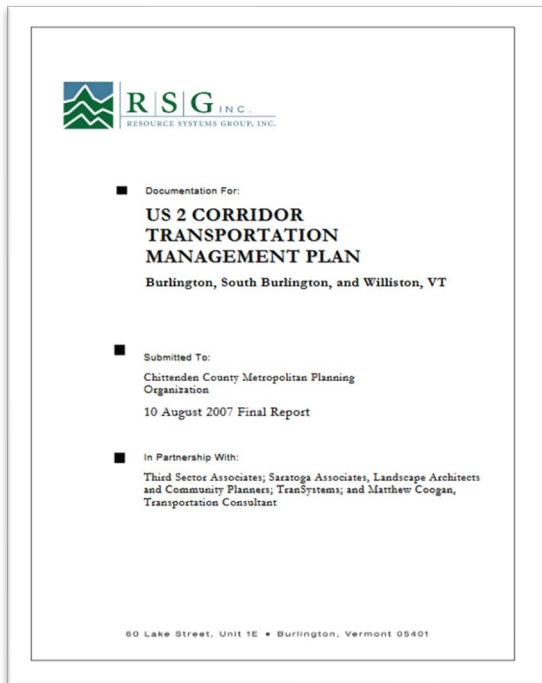
Corridor Studies

- Comprehensive assessment of current and future transportation and land use corridor conditions
- Corridor Vision, Goals and Objectives
- Multimodal Recommendations
 - Capital Investments for all Modes
 - Further Scoping of Specific Facilities
 - Operational/Maintenance
 - Land Use (Access Management, Zoning)
 - Management Tools/Processes (e.g., traffic calming guidelines)



Examples of Corridor Studies

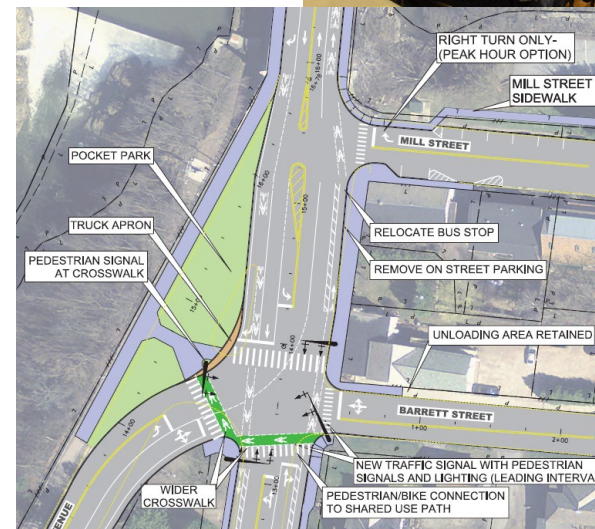
- US 2 (Burlington to Williston)
- Colchester Ave (Burlington)
- VT 116 (Hinesburg)



Scoping Studies

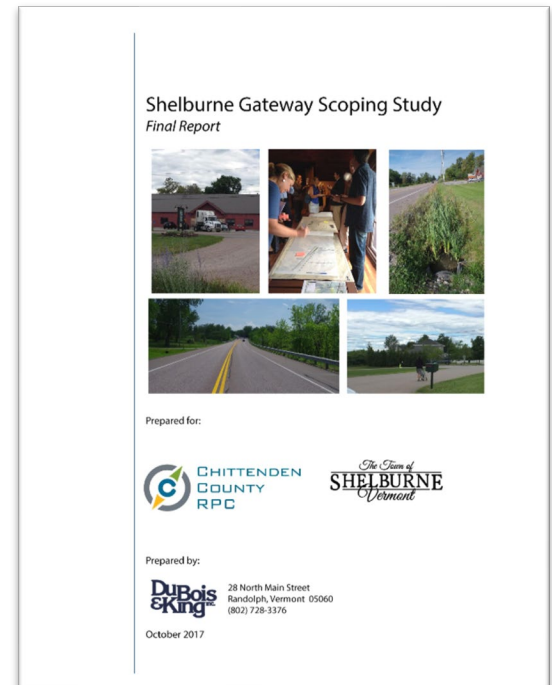
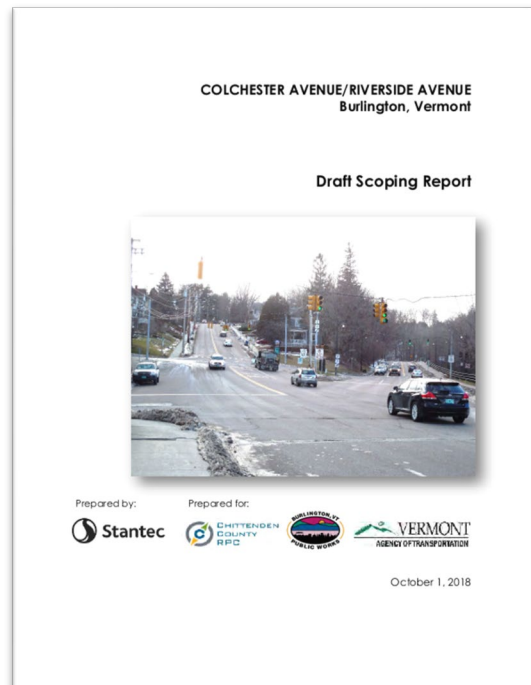
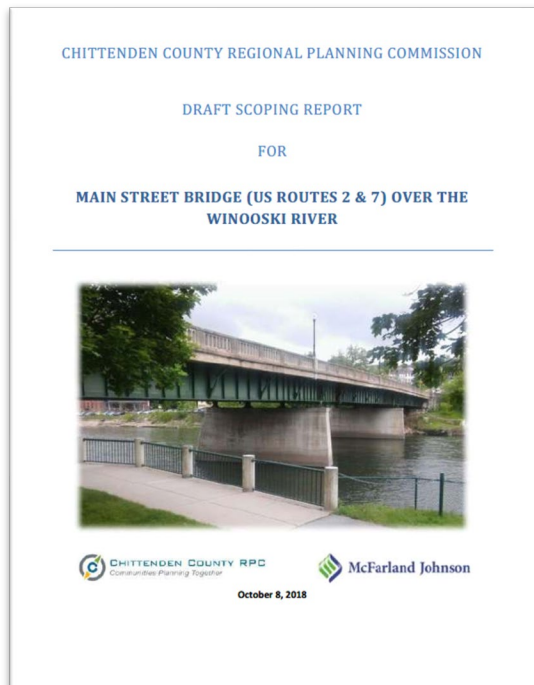
Goal is to select a preferred alternative that meets the project's Purpose & Need

- Evaluate existing and Future Conditions
- Develop Purpose & Need
- Develop alternative options
- Evaluate alternatives
- Select preferred alternative
- Public input throughout
- Scoping Report



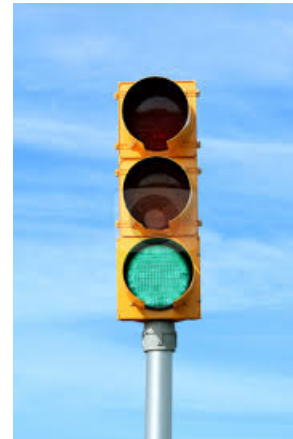
Examples of Scoping Studies

- Winooski River (Main St) Bridge
- Colchester Ave/Riverside Ave/Barrett St
- Shelburne Gateway



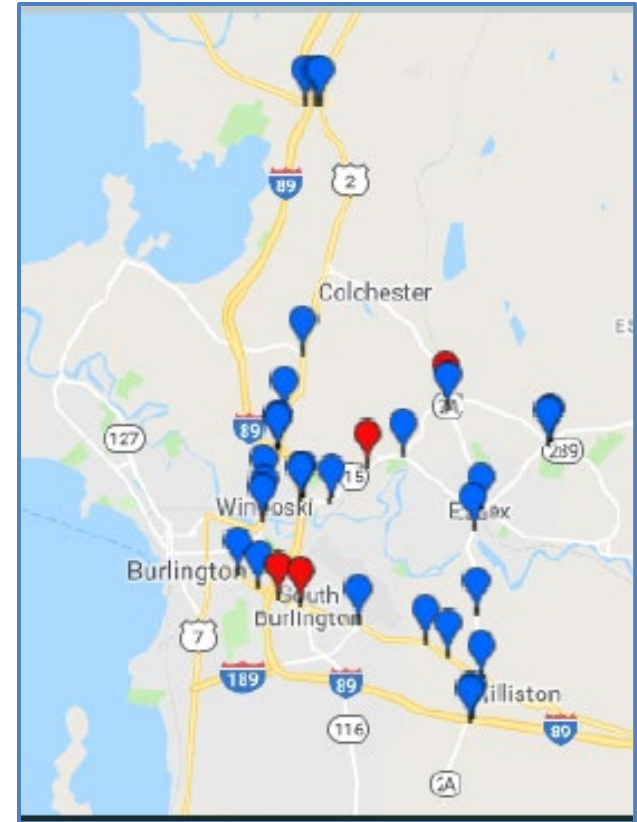
Technical Assistance

- Speed studies
- Traffic calming studies
- Safety & Sight Distance evaluations
- Signal retiming and lane assignments
- Road Safety Audits
- Systemic Local Roads Safety (SLRS)



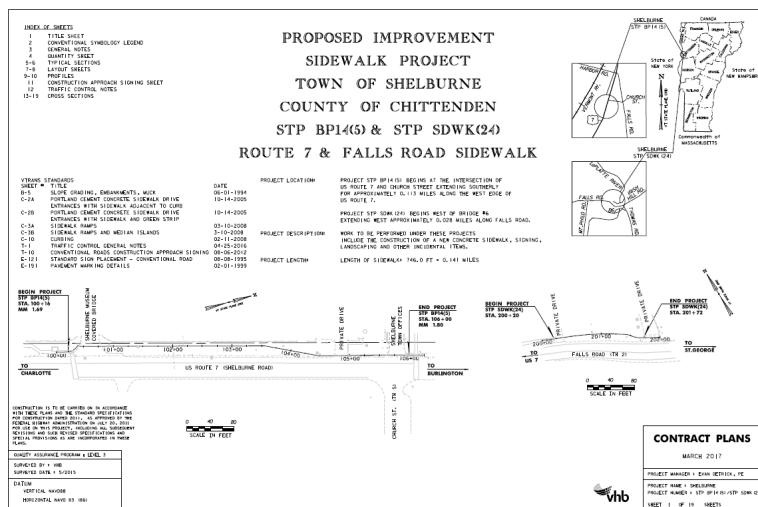
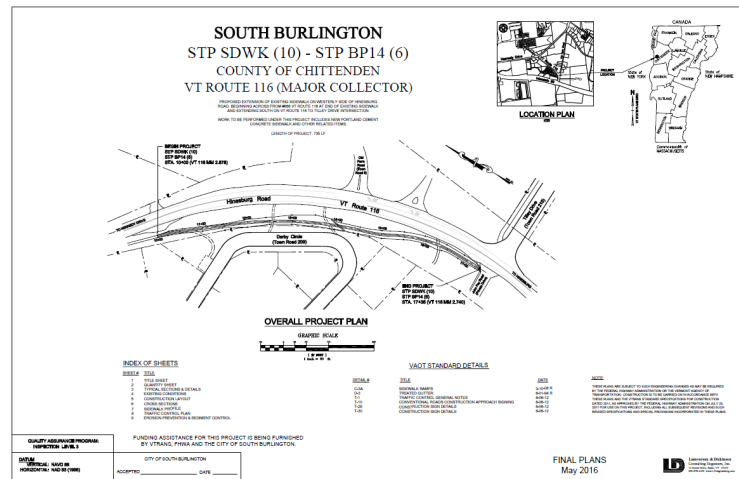
Intelligent Transportation Systems (ITS)

- Countywide ITS Plan update (2014)
- Advanced Traffic Monitoring System using Bluetooth Technology (FHWA Grant)
- Arterial Traffic Signal Assessment Studies
 - Exit 14 Area Signal System Assessment
 - VT Route 15 Signal System Assessment
 - Shelburne Street Signal System Assessment, Burlington



Municipal Project Manager (MPM)

- Manager role for VTrans-funded municipal grant projects
- Manage and assist municipalities through project development, design and construction
 - US 7 and Falls Road sidewalk project in Shelburne
 - Hinesburg Road sidewalk project in South Burlington
 - VT 116, South Village area Sidewalk project in Hinesburg
 - VT 15 Sidewalk project in Underhill



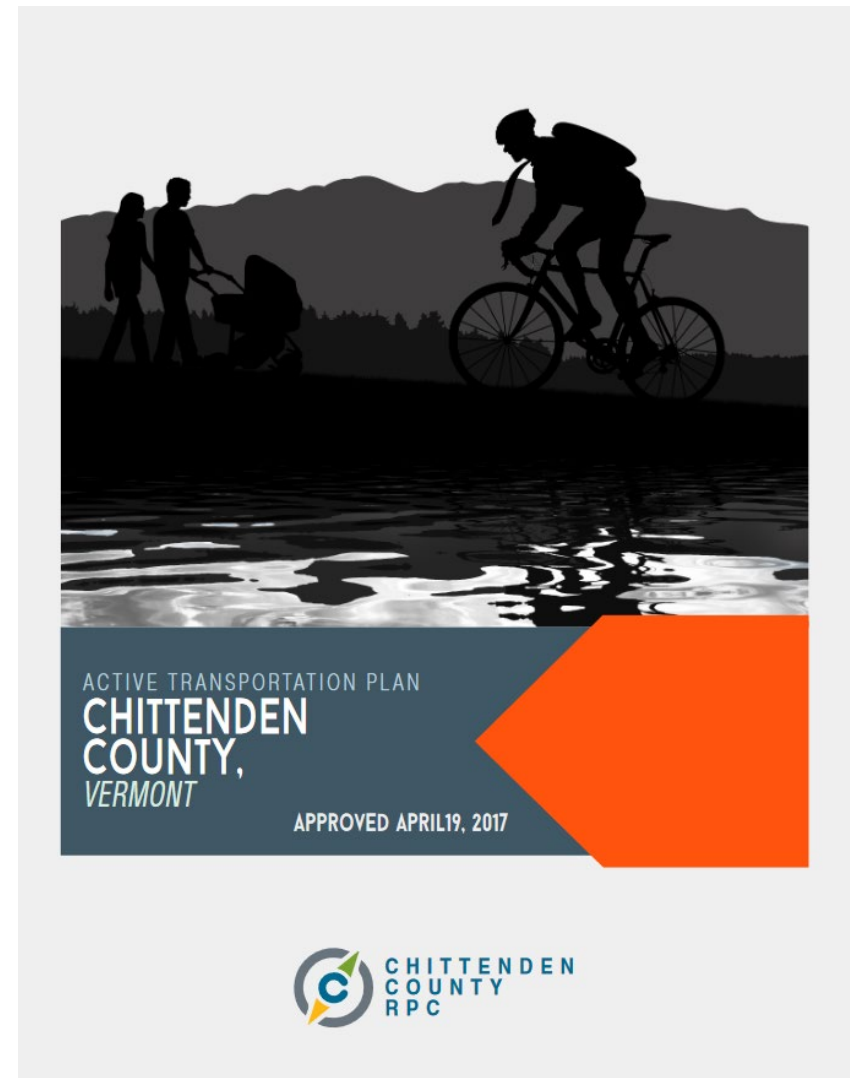
Transportation Demand Management (TDM)

Using strategies and policies to reduce SOVs and encourage/incentivize other modes such as walking, biking, ridesharing, transit, bikesharing and carsharing.



Walk/Bike

- Active Transportation Plan (2017)
- Municipal Walk/Bike Plans
- Sidewalk/Path Planning
- Local Motion
- Greenride Bikeshare



Data Collection

- Summer Intern Program
- Traffic Counts
 - Intersections (Manual Turning Movements)
 - Roadways (ATRs)
 - Bike (Video Cameras)
- Inventories
 - Pavement
 - Culvert
 - Signs
 - Guardrails
 - And more!

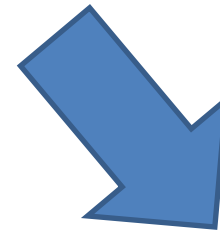
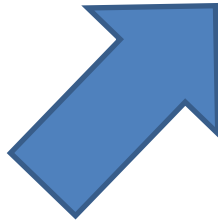


Water Quality & Transportation

CCRPC Assistance with Municipal Roads General Permit (MRGP) Compliance

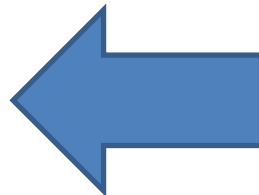
Inventory & Prioritize

- *Road Erosion Inventories (REIs)*
- *Data Management*
- *Standards Scoring*
- *Reporting*



Construction

- *ANR Grants*
- *VTrans Grants*
- *Municipal Funds*



Planning

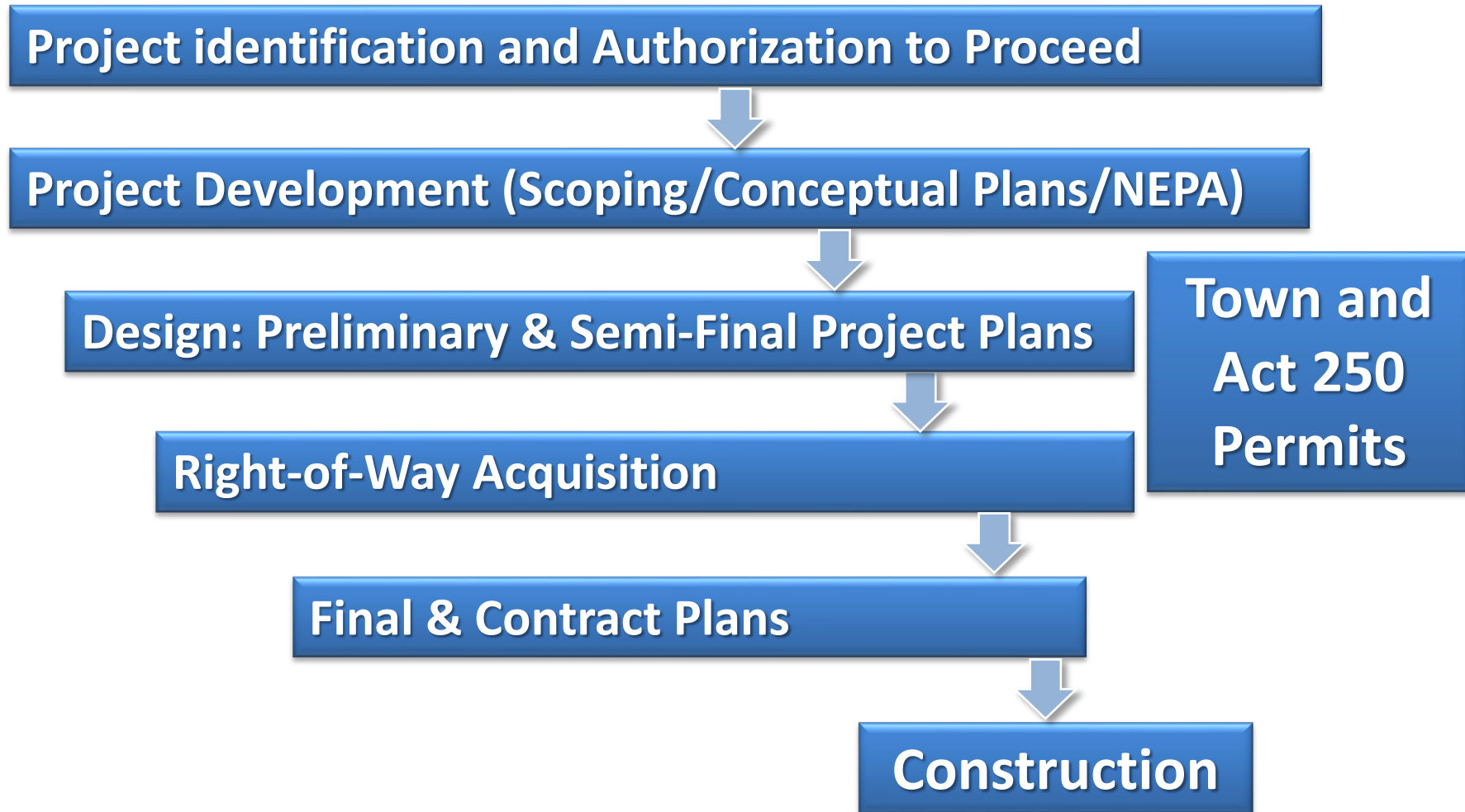
- *REI concept Plans*
- *UPWP WQ scoping*

Transportation Projects: Planning to Implementation

Transportation Planning Processes

- Transportation projects are identified because of community needs
 - Address safety, capacity, connectivity, access to jobs, support housing, etc.
- Corridor Management Studies
 - Develop recommendations that could be move towards implementation or towards further scoping
- Scoping/Project Definition Studies
 - Initial phase of the Project Development Process

VTrans Project Development Process



Project Example #1: Exit 16

- Circulation Study finalized July 2009
- Scoping study finalized December 2011
 - Preferred Alternative: DDI & Other Intersection Improvements
- VTrans Project Milestones
 - Preliminary Plans, September 2012
 - Permitting, November 2016
 - Act 250 Permit Appeals - Ongoing legal case
 - Construction, scheduled 2020-2021



TO SOUTH EAST SOUTH
89 2 7
↓

EAST SOUTH
2 7
Winooski
↓

89 NORTH
St. Albans →

COLCHESTER HES NH 5600(14)
US ROUTE 7 SOUTHBOUND





COLCHESTER HES NH 5600(14)
US ROUTE 7 NORTHBOUND



VT 116 Potash Brook Culvert

FINAL SCOPING REPORT VT 116 POTASH BROOK CULVERT



SOUTH BURLINGTON, VERMONT

PREPARED FOR THE CHITTENDEN COUNTY
METROPOLITAN PLANNING ORGANIZATION

JANUARY, 2007

PREPARED BY:

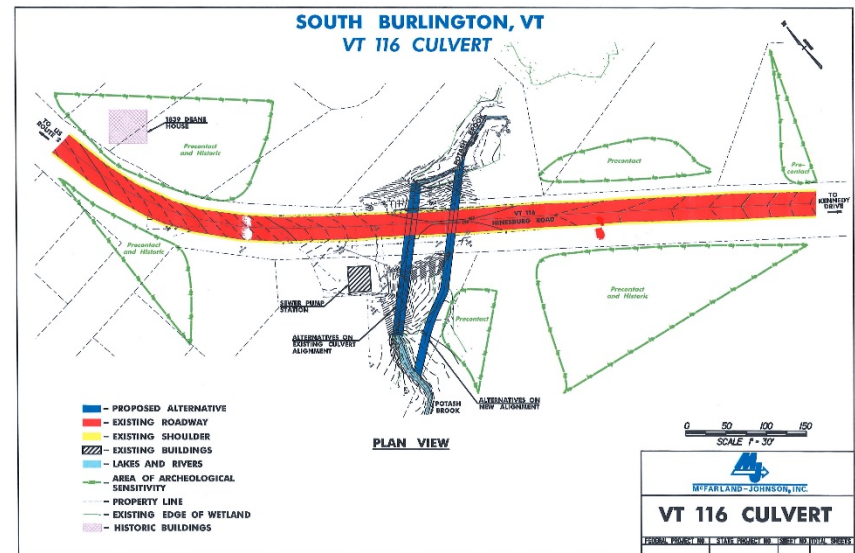


McFarland-Johnson, Inc.
Concord Center
10 Ferry Street, Unit 11
Suite 210
Concord, NH 03301



Chittenden County
Metropolitan Planning
Organization

- Scoping completed in January 2007
- 6 alternatives evaluated
 - Different culvert types
 - On or off alignment
 - Close road or maintain traffic



VT 116 Potash Brook Culvert

- Two Public Meetings
- Project added to the TIP in FY12
- Constructed in FY17
- Full road closure for 2 months



VT 116 Potash Brook Culvert



South Burlington, VT 116 Sidewalk

- Pre-2010, project scoping
- 2011 CCRPC Sidewalk grant for design and construction
- 2014 VTrans Bike/Ped Grant, additional for design and construction
- 2017 Construction

