

CHITTENDEN COUNTY REGIONAL PLANNING COMMISSION
TRANSPORTATION ADVISORY COMMITTEE
AGENDA

DATE: **Tuesday January 8, 2019**
TIME: **9:00 a.m.**
PLACE: **CCRPC Office, 110 West Canal St. Winooski**

DELIBERATIVE AGENDA:

1. Action on Consent agenda – 9:00 – 9:05
See attached memo on TIP amendments.
2. Minutes of November 6, 2018 – (Action Item) 9:05 - 9:10
See attached.
3. Public Comment Period (Information item) 9:10 - 9:15
Members of the public are invited to raise issues of interest or concern to the TAC on items not on the agenda.
4. I-89 Corridor Project (Action Item) 9:15 – 9:35
This multiyear planning effort will begin soon and comprehensively look at the entire Interstate corridor in Chittenden County. Staff will give a brief presentation on the study goals, consultant procurement process, and request that the TAC approves the consultant team recommended by the selection committee (VTrans, TAC, and CCRPC).
5. Legislative Priorities this Session (Information Item) 9:35 – 10:00
Staff will discuss issues presented at the CCRPC Legislative Breakfast in December and review legislative priorities for this coming session.
6. 2019 UPWP Budget Adjustment (Information Item) 10:00 – 10:15
Half way through each fiscal year the CCRPC adjusts the work program budget and task schedule. Staff will highlight the changes to the current UPWP.
7. 2020 Draft UPWP (Information Item) 10:15 – 10:30
Staff will provide the TAC with a UPWP development schedule and possible tasks for the upcoming fiscal year.
8. Status of Projects and Subcommittee Reports (Information Item) 10:30 – 10:35
See bulleted list on the reverse for current CCRPC projects. TAC members are encouraged to ask staff for more information on the status of any of these on-going or recently completed projects.
9. CCRPC November Board Meeting Report (Information Item) 10:35 – 10:40
The Board met on 11/28 hearing a presentation on GreenRide BikeShare and the upcoming I-89 Corridor Study. The meeting began with a 45-minute presentation on Board responsibilities as an MPO.
10. Chairman's/Members' Items (Information Item) 10:40 – 10:45

Next Meeting: Tuesday, February 5, 2019

In accordance with provisions of the Americans with Disabilities Act (ADA) of 1990, the CCRPC will ensure public meeting sites are accessible to all people. Requests for free interpretive or translation services, assistive devices, or other requested accommodations, should be made to Emma Vaughn, CCRPC Title VI Coordinator, at 802-846-4490 ext. *21 or evaughn@ccrpcvt.org, no later than 3 business days prior to the meeting for which services are requested.

Project list:

- Title VI program participation and Public Participation Plan implementation
- Participation in the Vermont Highway Safety Alliance
- Participation in the State's Rail Council
- Coordination with United Way on the Neighbor Rides Program
- 2018 Regional Transportation Survey
- Advanced Traffic Monitoring System through FHWA AID grant – Final Plan Implementation
- LPM services for Underhill sidewalk construction on VT 15 – Right of Way Plans and CE
- LPM services for Hinesburg – Village South Area Sidewalk on VT 116 – Conceptual Design
- VT 117 and Skunk Hollow Road Intersection Scoping Study, Jericho – *Completed, 12/31/2018*
- Allen Brook Watershed Culverts Assessment Study, Williston – Existing Conditions analysis
- Countywide NHS Review and Update – *CCRPC Board Voted*
- Winooski Avenue Corridor Study (Burlington)
- Amtrak Train Overnight Storage Study (Greater Burlington Area)
- Coordination with GMT on ADA, NextGEN and Elders & Disabled advisory committees
- Railyard Enterprise Supplemental Scoping of Alternative 1B (Burlington)
- Winooski River Bridge Scoping Study (Burlington/Winooski)
- South Burlington Bike Ped Gaps scoping
- South Burlington Ped. Crossing and Bike Access
- Intervale Ave. Scoping (Burlington)
- Essex Junction Design 5 Corners/Village Transportation Plan update
- Essex Junction Parking Study
- Colchester Ave/Riverside Ave/Barrett St Intersection Scoping (Burlington)
- North Williston Road Scoping Study (Williston) - *Completed*
- So. Burlington VT116-Kimball-Tilley Land Use and Transportation Plan
- Williston Transportation Impact Fees
- Williston Shared Use and Multi-Modal Parking Requirements
- I-89 Exit 14 Bike/Pedestrian Crossing Study, Phase II (South Burlington)
- Overhaul of South Burlington's Traffic Overlay District
- Update to South Burlington's Transportation Impact Fee Ordinance
- Regional Transportation Energy Planning
- Transportation Hazard Mitigation Planning
- Municipal Road General Permit (MRGP) Work
- Grants-In-Aid Coordination with Municipalities.
- 2018/2019 Way to Go! to School
- Greenride Bikeshare
- City Center Parking & Movement Plan, South Burlington
- Chittenden County I-89 2015 Study
- East Allen Street Gateway Enhancements Scoping Study (Winooski)

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CCRPC Transportation Advisory Committee

January 8, 2019

Agenda Item 1: Consent Item

FY2019 TIP Amendments

Issues Make the following changes to the FY2019-2022 TIP. These projects are located on I-89 and are classified as minor amendments according to CCRPC's TIP Amendment Policy. I-89 projects are not subject to CCRPC's fiscal constraint limit.

US2 Bridge over I-89, Richmond (Project BR059, Amendment FY19-07).

- **TIP Change:** Increase funding for preliminary engineering from \$180,000 (total) to \$600,000 (total). Add \$189,000 in federal funds in FY20 and \$189,000 in federal funds in FY20.
- **Reason for Change:** The original cost estimate for this bridge project was developed considering rehabilitation of the existing bridge. The rehabilitation option was a placeholder until a full assessment of the bridge condition was undertaken. Project scoping concluded that full reconstruction on a new alignment was the best alternative. Reconstruction requires a much greater design effort than rehabilitation.

I-89 Scoping Study, Richmond-Colchester (Project HC017, Amendment FY19-08).

- **TIP Change:** Add \$150,000 (total) for scoping for a study of I-89 between Richmond and Colchester. Add \$67,500 in federal funds in FY19 and \$67,500 in federal funds in FY20.
- **Reason for Change:** The broad intent of this analysis, to be managed by CCRPC, is to assess the capacity of Interstate 89 (especially through the urban core of the county) and existing interchanges; identify current safety, operational and resiliency issues; assess future needs; develop and evaluate alternatives, including sketch level conceptual plans, that address identified issues for all modes of transportation; examine transportation and land use effects of mainline widening and/or new/expanded interchanges; evaluate climate change effects of alternatives (air quality, energy consumption, etc.); determine asset management/maintenance needs; and develop an implementation plan for interstate and interchange investments. This implementation plan will be developed and considered in the context of the broader 2018 ECOS Plan.

Staff

Recommendation:

Recommend that the TAC approve the proposed TIP amendments.

For more information, contact:

Christine Forde
cforde@ccrpcvt.org or 846-4490 ext. *13

1
2 CHITTENDEN COUNTY REGIONAL PLANNING COMMISSION
3 TRANSPORTATION ADVISORY COMMITTEE - MINUTES
4

5 DATE: Tuesday, November 6, 2018
6 TIME: 9:00 a.m.
7 PLACE: CCRPC Offices, 110 West Canal St. Winooski, VT
8

9 **Members Present**

10 Lisa Schaeffler, Williston
11 Brian Bigelow, Underhill
12 Jon Rauscher, Winooski
13 Justin Rabidou, South Burlington
14 Amy Bell, VTrans
15 Bryan Osborne, Colchester, TAC Chair
16 Nicole Losch, Burlington
17 Bob Henneberger, AARP
18 Allegra Williams, Local Motion
19 Rachel Kennedy, GMT
20 Joss Besse, Bolton
21 Dick Hosking, VTrans
22 Matt Langham, VTrans
23 Richard Watts, Hinesburg
24 Chris Jolly, FHWA
25 David Allerton, Milton
26 Dennis Lutz, Essex
27 Barbara Elliot, Huntington
28 Sandy Thibault, CATMA
29 Dean Pierce, Shelburne
30 Larry Lackey, Burlington Airport
31

Staff Present

Christine Forde, Senior Transportation Planner
Eleni Churchill, Transportation Project Manager
Sai Sarepalli, Transportation Planning Engineer
Bryan Davis, Senior Transportation Planner
Peter Keating, Senior Transportation Planner
Marshall Distel, Transportation Planner
Charlie Baker, Executive Director
Chris Dubin, Transportation Planner
Regina Mahony, Planning Program Manager
Jason Charest, Senior Transportation Planning Engineer

Others

Joe Segale, VTrans
Mike LaCroix, VTrans
Karen Adams, Colchester

32
33
34 Bryan Osborne called the meeting to order at 9:00AM. He first called for a round of introductions. He
35 then announced a change to the agenda: To add a TIP amendment item as agenda item 3a.
36

37 **1. Consent Agenda**

38 JUSTIN RABIDOUX MADE A MOTION, SECONDED BY DEAN PIERCE, TO APPROVE THE
39 TWO TIP AMENDMENT ITEMS DESCRIBED IN THE CONSENT AGENDA MEMO. THE
40 MOTION PASSED UNANIMOUSLY.
41

42 **2. Approval of Minutes**

43 BRIAN BIGELOW MADE A MOTION, SECONDED BY BOB HENNEBERGER, TO APPROVE
44 THE MINUTES OF THE OCTOBER 2, 2018 TAC MEETING. THE MOTION CARRIED. Barbara
45 Elliot abstained.
46

47 **3. Public Comments**

48 None.
49

50 **3a. TIP Amendment**

51 Christine Forde handed out a memo describing the TIP change related to the Allen Brook stormwater
52 restoration project on I-89 in Williston. This normally would've been on the consent agenda (since the
53 project falls outside our fiscal constraint level), but the timing didn't work out hence it's up for separate

1 consideration now. AMY BELL MADE A MOTION TO APPROVE THE TIP AMENDMENT,
2 SECONDED BY JUSTIN RABIDOUX. THE MOTION PASSED UNANIMOUSLY.
3

4 **4. Transportation Resiliency Planning**

5 Joe Segale of VTrans described their efforts to build a tool to support transportation system resiliency. He
6 started by illustrating on a statewide map all the areas flood disasters have occurred and the number of
7 roads and structures vulnerable to damage from floods. The tool, called the Transportation (flood)
8 Resilience Planning Tool (TRPT) identifies risk in two categories: Asset vulnerability and Network
9 Criticality to determine an overall risk assessment. The composite of all risks leads to mitigation
10 strategies. The overall project, when complete, will include a resiliency app, inputs to VTrans project
11 prioritization and follow on training for users. The tool is currently being piloted in two watersheds but
12 VTrans plans to add 3 to 5 other watersheds each year. Joe described inputs to the vulnerability
13 assessment and the detailed list of variables the tool has data on. He also described the tools components
14 related to:

- 15 • Vulnerability validation
- 16 • Criticality methodology, and
- 17 • Mitigation options

18 He next brought up the TRPT internet home page to illustrate its features and described the statewide
19 flood vulnerability factors. He focused on Chittenden County maps to describe both vulnerability and
20 risk. The outcomes and uses of the tool include:

- 21 • Supports update of State Hazard Mitigation Plan
 - 22 ○ HMGP Grants post disaster
- 23 • VTrans
 - 24 ○ Project scoping
 - 25 ○ Project Selection and Prioritization
 - 26 ○ Emergency Preparedness
- 27 • Local and regional
 - 28 ○ Hazard Mitigation Plans
 - 29 ○ Capital Planning and Programs
 - 30 ○ Emergency Preparedness
- 31 • Methods could be adapted and applied to other infrastructure

32 He concluded by mentioning the tool's input to project prioritization and next steps: Training, adding
33 additional watersheds and pursuing FEMA pre-disaster mitigation funding. Some discussion topics that
34 followed included:

- 35 • Risks from FEMA in using the tool's data
- 36 • Discussion with FEMA re: Preventable measures
- 37 • ANR issues re: Not investing in some critical areas
- 38 • Use of the tool to argue for upsizing culverts

40 **5. VT 2A and VT 15 Signal Upgrade Project**

41 Mike LaCroix of VTrans introduced this project that included three route segments (US RT 2, VT RT 2A
42 and VT RT 15) and involved 19 signalized intersections. He traced its history going back to the CCRPC's
43 2014 Williston-Essex Network Transportation Study (WENTS), through VTrans programming, scoping,
44 project design and construction. An early implementation project was Adaptive Signal Control (ATSC) at
45 a location in Essex first recommended in WENTS. Mike defined ATSC in some detail noting that it isn't
46 suitable in all areas. VTrans has produced a Traffic Signal Management Plan with a strong focus on
47 performance measures and emphasizing equipment modernization. He described progress to date on
48 implementing that Plan's recommendations, including:

- 49 • Increases to VTrans traffic signal staff and budget, and
- 50 • Combining signal operations with maintenance.

51 For the corridor project, VTrans will modernize all dated traffic equipment at 18 intersections and
52 overhaul the communications between those intersections. He described the elements in the corridor's

1 systems engineering report to implement an Advanced Traffic Management System (ATMS), including
2 system needs, requirements, recommendations, and procurement. Mike next demonstrated VTrans'
3 Econolite Centrac program, highlighting the communications elements and equipment modernization,
4 and followed up with a quick demonstration of VTrans' Automated Traffic Signal Performance Measures
5 (ATSPM). The discussion that followed included the following:

- 6 • Between two thirds and three quarters of all VTrans signals are in Chittenden County
- 7 • Will this system be able to count by vehicle classification, including cyclists and pedestrians?
8 Yes, but still under discussion.
- 9 • What is the level of security of this system? VTrans is working with State Information
10 Technology on this and will require security protocols.
- 11 • Are there before/after results to share? None yet but within the year
- 12 • VTrans contact for this project is Derek Lyman

14 **6. 2018 Transportation Survey**

15 Peter introduced this project as a continuing one that has been undertaken several times in the past.
16 Starting in 2000, and every 6 since, we've surveyed the public for the following reasons:

- 17 • To periodically "gain the pulse" of our residents' attitudes towards transportation related issues
- 18 • To track attitudinal trends
- 19 • To engage the public in transportation planning
- 20 • To identify research opportunities

21 He also described the methodology and survey outline, noting that with only slight variations, this is the
22 outline for all 4 surveys since 2000. He then displayed some selected survey results that included mode
23 use, overall transportation system satisfaction, and agree/disagree attitudes in transportation system
24 details. Peter particularly noted that for the first time we asked about mode use using a transportation app
25 which revealed that 35% in the 18 to 34-year-old bracket have used this in the last month. He next
26 showed responses on the relative importance of various attributes related to system preservation, safety,
27 public transportation and highway initiatives. Respondents were asked the relative importance of a list of
28 7 different transportation related investment priorities by assigning a total of 100 points based on the
29 respondent's priorities. In this survey, as well as the previous 3, system preservation came out top
30 ranked. Safety and/or walk/bike are the number 2 and 3 priorities – another pattern that has been
31 reflected in past surveys. The survey report is nearly complete and Peter noted the following on the
32 project:

- 33 • Was presented to CCRPC Board in October
- 34 • Final report under revision
- 35 • The report will be posted to CCRPC web site by the end of the month
- 36 • There are opportunities to explore results, and compare to previous surveys, in more detail,
37 especially looking at crosstabs of gender, income and geographic responses.

38 Some comments:

- 39 • The survey notes the high priority of bike/ped yet there's no state/federal funding program for
40 maintenance of these facilities once built.
- 41 • One of the slides noted free/subsidized parking as a commuter benefit but this is not an incentive
42 to drive less, as many employers are encouraging through TDM programs.

44 **7. Chittenden County MRGP Tracking Tool**

45 Chris Dubin demonstrated a web tool he's put together to help manage the work towns are doing related
46 to the Municipal Roads General Permit program. The web site is still under development and once ready
47 will be updated every two weeks.

49 **8. FY2020 UPWP Application Changes**

50 Eleni referred members to the memo and draft letter in the meeting packet. The purpose is to discuss a
51 way to address UPWP requests for specialized data collection similar to Colchester's request from last
52 year. The UPWP Committee is looking for guidance and staff is proposing to add a new "Major Data

1 Collection/Asset Management” category to the FY 20 UPWP application with a maximum PL-funding
2 contribution by the CCRPC of \$32,000 and a minimum of 20% (\$8,000) non-federal local match.
3 Following discussion, the consensus was to list these activities as eligible and not constrict by a set dollar
4 amount. Let the towns prioritize their planning requests and not impose a funding cap. Also consider
5 partial awards if needed to balance requests.
6

7 **9. Status of Projects and Subcommittee Reports**

8 Bryan Osborne referred members to the project list on the reverse side of the meeting agenda.
9

10 **10. CCRPC October Board Meeting Report**

11 Peter referred members to meeting description on the agenda.
12

13 **9. Chairman’s/Members’ Items**

14 Sai reported on how CCRPC staff can help communities with traffic signal projects. RPC staff will be
15 doing small intersection projects and members are encouraged to contact Sai if interested.
16

17 The meeting adjourned at 11:05 a.m.

18
19 Respectfully submitted, Peter Keating

DRAFT



CCRPC Transportation Advisory Committee

Chittenden County I-89 2050 Study

Agenda Item #4: Action on Consultant Selection

Background: The *Chittenden County I-89 2050 Study* is envisioned to be a multiyear effort with the participation of a large and diverse group of stakeholders. The study will evaluate safety, capacity, resiliency and other current and future issues of the Interstate and Interchange areas in the county; develop a vision and goals for I-89; evaluate multimodal strategies to address identified current and future issues; and develop an actionable plan of improvements that over time will help meet the vision/goals of the I-89 corridor in Chittenden County.

The CCRPC in close collaboration with VTrans followed a two-step procurement process to select the consultant team to lead the *Chittenden County I-89 2050 Study*. During the first step we solicited Letters of Intent (LOI) and Statements of Qualifications (SOQ) from interested consultants. Step one served to narrow the field of consultants that we would request proposals from. During step two of this process, four consultants selected during step one were asked to submit proposals in response to an RFP developed by CCRPC staff in collaboration with VTrans and the project's Advisory Committee. Consultants requested to submit proposals were: VHB, Stantec, CHA, and WSP. During this phase, CHA decided to withdraw from this process so we received only three proposals from VHB, Stantec and WSP.

A consultant selection committee was formed to review the LOI/SOQ and the consultant proposals. The committee met on December 20, 2018 to review the scores and discuss proposals received from the three consultant teams. The following TAC members, VTrans and CCRPC staff were involved in the consultant selection process:

- Justin Rabidoux, TAC
- Nicole Losch, TAC
- Kevin Marshia, VTrans
- Joe Segale, VTrans
- Amy Bell, VTrans
- Charlie Baker, CCRPC
- Eleni Churchill, CCRPC
- Jason Charest, CCRPC
- Sai Sarepalli, CCRPC

Committee

Recommendation: The consultant selection committee voted unanimously to recommend VHB for the Chittenden County I-89 2050 Study. The committee asks the TAC to ratify this decision.

Contact

Information: For more information please contact Eleni Churchill, 802.861.0117,

echurchill@ccrpcvt.org