

CHITTENDEN COUNTY REGIONAL PLANNING COMMISSION
TRANSPORTATION ADVISORY COMMITTEE
AGENDA

DATE: **Tuesday, June 4, 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 draft TIP amendments memo.
2. Minutes of May 7, 2019 – (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. Automated Vehicle (AV) Testing in VT (Information Item) 9:15 – 9:45
It looks like AV Testing Legislation is going to pass this year. Joe Segale of VTrans will provide an overview of AVs and describe the process outlined in the legislation, which requires local sign-off if testing is to occur on class 2, 3 and 4 town highways.
5. FY20 – 23 Draft Transportation Improvement Program (TIP) (Action Item) 9:45 – 10:15
The draft TIP is available for review and approval. Staff will go over highlights and seek a TAC recommendation for the Board to warn a public hearing. See attached memo and TIP draft for more information.
6. Committee Chairmanship (Information Item) 10:15 – 10:30
Staff and TAC members will discuss the selection/appointment process for TAC Chair and Vice-Chair.
7. 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.
8. CCRPC May Board Meeting Report (Information Item) 10:35 – 10:40
The Board met on 5/15 holding a public hearing on the FY20 UPWP before approving it and its budget.
9. Chairman's/Members' Items (Information Item) 10:40 – 10:45

Next Meeting: Tuesday, July 2, 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 Neighbor Rides and Elders & Disabled program analysis
- VT-116/Charlotte Rd Intersection Study (Hinesburg) Advanced Traffic Monitoring System through FHWA AID grant – Maintenance and Monitoring
- 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 – Right of way plans
- Allen Brook Watershed Culverts Assessment Study, Williston – Draft Final Report
- Dorset Street and Williston Road Intersection lane assignment Analysis – Draft Report
- Winooski Avenue Corridor Study (Burlington)
- Amtrak Train Overnight Storage Study (Burlington)
- Coordination with GMT on ADA, NextGEN and Elders & Disabled advisory committees
- Railyard Enterprise Supplemental Scoping (Burlington)
- Winooski River Bridge Scoping Study (Burlington/Winooski)
- South Burlington Bike Ped Gaps scoping
- South Burlington Ped. Crossing and Bike Access
- Essex Junction Parking Study
- 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
- Regional Shared Mobility Analysis and Recommendations
- City Center Parking & Movement Plan, South Burlington
- Chittenden County I-89 2050 Study
- East Allen Street Gateway Enhancements Scoping Study (Winooski)
- Lower Village Supplemental Scoping Study (Huntington)

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

4 DATE: Tuesday May 7, 2019
5 TIME: 9:00 a.m.
6 PLACE: CCRPC Offices, 110 West Canal St. Winooski, VT
7

8 **Members Present**

9 Lisa Schaeffler, Williston
10 Brian Bigelow, Underhill
11 Jon Rauscher, Winooski
12 Nicole Losch, Burlington
13 Richard Watts, Hinesburg
14 Chris Jolly, FHWA
15 Matt Langham, VTrans
16 Dennis Lutz, Essex
17 Amy Bell, VTrans
18 Bob Henneberger, Seniors
19 Justin Rabidoux, South Burlington
20 Dean Pierce, Shelburne
21 Ashley Bishop, VTrans District 5
22 Bryan Osborne, Colchester, TAC Chair
23 Allegra Williams, Local Motion
24

Bryan Davis, Senior Transportation Planner
Charlie Baker, Executive Director
Chris Dubin, Transportation Planner
Jason Charest, Senior Transportation Planning Engineer
Peter Keating, Senior Transportation Planner
Christine Forde, Senior Transportation Planner
Marshall Distel, Transportation Planner
Sai Sarepalli, Transportation Planning Engineer
Dan Albrecht, Senior Planner

25 **Others**

Karen Adams, Colchester
Gina Clithero, CCRPC Intern
John Ohlin, Hoyle Tanner
John Jackman, Hoyle Tanner
Derek Lyman, VTrans
Spencer Palmer, VTrans

26 **Staff Present**

Eleni Churchill, Transportation Program

27
28 Bryan Osborne called the meeting to order at 9:03AM, calling for a round of introductions.
29

30 **1. Approval of Minutes**

31 DEAN PIERCE MADE A MOTION, SECONDED BY BOB HENNEBERGER, TO APPROVE THE
32 MINUTES OF APRIL 2, 2019. THE MOTION PASSED UNANIMOUSLY.
33

34 **2. Public Comments**

35 None.
36

37 **3. Colchester's Stormwater Infrastructure Inspection: Process and Findings (Information Item)**

38 Karen Adams introduced this with an explanation as to why the Town decided to undertake this project.
39 She cited several concerns including: The need to take stock of the Town's infrastructure, establishing a
40 stormwater utility in 2017, the age of the system, an expected high level of failure given its age, and its
41 location under roadways and implications for the transportation system should failures occur. Karen then
42 turned the presentation over to John Jackman of Hoyle Tanner who went over preparation of a GIS layer
43 and the several attributes developed. He next described the video inspection equipment and imaging
44 techniques. He also described manhole inspection, the Google form developed for data collection, linking
45 the collected data to the GIS system and the collection of GPS data in three dimensions. He then went into
46 project results giving an example of pipe assessments and reported on the project's budget and schedule,
47 and illustrated findings with some GIS maps. He concluded with the following lessons learned:

- 48 • Confirmed that a top down inspection method would be incomplete.
- 49 • Much of the system has outlived its expected life.
- 50 • Intrusions into the system from gas and electrical utilities as well as unpermitted connections, and
- 51 • Having a valuable video record of the entire system.

52 Next steps in the process will include reinspection as needed (the Town expects a 5 year reinspection
53 cycle), repairing the highest priority pipes (only .7% were judged bad/critical), develop worksheets for

1 capital planning, prioritize and risk manage the rest of the system, and setting up database queries for
2 further analysis and capital planning.

3 **4. CENTRACS Traffic Management Software (Information Item)**

4 Sai Sarepalli introduced Derek Lyman and Spencer Palmer of VTrans to present the State's Automated
5 Traffic Signals Performance Measures (ATSPM). Derek began with a map and background information
6 of all of VTrans signals (Chittenden County has 75 of the State's 163 total signals, not counting
7 municipal signals on Class 1 town highways in other Chittenden County municipalities). Derek provided
8 details on many signal characteristics including:

- 9 • Signal structures
- 10 • Cabinets
- 11 • Controllers
- 12 • Econolite TS2
- 13 • Econolite Centracs 2.0
- 14 • Signal communications

15 He then went over elements of VTrans Traffic Signal Management Plan describing its program goals,
16 stakeholder involvement, budget and staffing, and examples of the data worksheets related to all signals.

17 Derek then switched to details of the ATSPM, illustrated by various charts displaying:

- 18 • Purdue Phase Termination
- 19 • Pedestrian delay
- 20 • Emergency preemption,
- 21 • Wavetronix SmartSensor,
- 22 • Purdue Coordination,
- 23 • Approach volumes
- 24 • Lane by lane movement counts, and
- 25 • Yellow and red actuations

26 Derek concluded by describing next steps that included connecting more state signals to the network,
27 installing radar detection equipment, investigating other possible metrics for data collection, using
28 Bluetooth to measure travel times, and preparing for signal upgrades for 16 intersections along Shelburne
29 Road.

30
31 **5. FY20 Unified Planning Work Program (UPWP) (Action Item)**

32 Marshall reported that at last month's meeting we had a presentation on this but we are now seeking TAC
33 approval before sending along to the Board for their action later this month. BRIAN BIGELOW MADE
34 A MOTION RECOMMENDING APPROVAL OF THE FY20 UPWP. THE MOTION WAS
35 SECONDED BY JUSTIN RABIDOUX AND PASSED UNANIMOUSLY.

36
37 **6. Status of Projects and Subcommittee Reports (Information Item)**

38 Peter gave a brief report on the rural transit roundtable discussion from the day before. Chris Jolly asked
39 out the hiring of a contractor for the I-89 corridor study. Eleni replied that we had.

40
41 **7. CCRPC March Board Meetings Report**

42 Peter noted that the Board met on April 17th. There was a presentation on road erosion inventory work
43 and the Board warned a public hearing for the FY20 UPWP.

44
45 **8. Chairman's/Members' Items**

46 No items this month.

47
48 BRIAN BIGELOW MADE A MOTION, SECONDED BY BOB HENNEBERGER, TO ADJOURN
49 THE MEETING. THE MOTION PASSED UNANIMOUSLY.

50
51 The meeting adjourned at 10:30 AM.

Respectfully submitted, Peter Keating

CCRPC Transportation Advisory Committee

June 4, 2019

Agenda Item 1: Consent Item

FY2019 Transportation Improvement Program (TIP) Amendments

Issues

Make the following amendments to the FY19-22 TIP. These projects are not subject to CCRPC's fiscal constraint limit.

GMT Operating – Federal (Project TR002, Amendment FY19-26)

- Description of Change - Add \$800,000 in FTA Section 5307 funds in FY19.
- Reason for Change - Funding from a prior year's apportionment to be applied for in FY19. This funding was not applied for in the year it was apportioned due to the late release of the final portion of funding.

GMT Capital – Buses, Facilities, and Equipment (Project TR061A, Amendment FY19-27)

- Description of Change – Reduce funding from \$2,000,000 to \$1,450,000 and change funding source from FTA Section 5339 to STP transfer.
- Reason for Change - The funding is adjusted to reflect the final awarded amount and the available funding source.

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



Chittenden County Transportation Advisory Committee

June 4, 2019

Agenda Item 5: Action Item

FY2020-2023 Transportation Improvement Program

Issues:

Federal regulations require the Chittenden County Regional Planning Commission (CCRPC), as the designated Metropolitan Planning Organization (MPO) for Chittenden County, to develop and maintain a Transportation Improvement Program (TIP). The TIP contains funding information for transportation projects proposed to spend federal transportation funds in Chittenden County. Projects must be listed in the TIP to spend federal transportation funds. The TIP includes all modes of transportation including highways, bicycle and pedestrian facilities and transit.

The TIP covers a four-year period and it must be fiscally-constrained. It is typically updated every year with the assistance of the Transportation Advisory Committee (TAC), the Vermont Agency of Transportation (VTrans), Green Mountain Transit (GMT) and Burlington International Airport.

The TIP lists federal funding amounts in the federal fiscal year when they are expected to be needed. It should be noted that the TIP is a planning and not a budget document. The TIP represents the intent to construct or implement a specific project and the anticipated flow of federal funds. Funds correspond to the following project development phases:

- Scoping – a process that develops safe and effective alternatives based on documented rationale that meet the stated purpose and need while minimizing environmental impacts
- Preliminary Engineering – detailed design of the preferred alternative
- Right-of-Way - process of determining if land rights are needed for construction and negotiation of appropriate compensation
- Construction

The Draft Fiscal Year 2020–2023 Transportation Improvement Program is provided as a separate attachment.

Staff

Recommendation:

Recommend that the TAC ask the board to warn a public hearing for their July meeting for the FY2020–2023 TIP; and that the board approve the TIP.

**For more
information
contact:**

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