



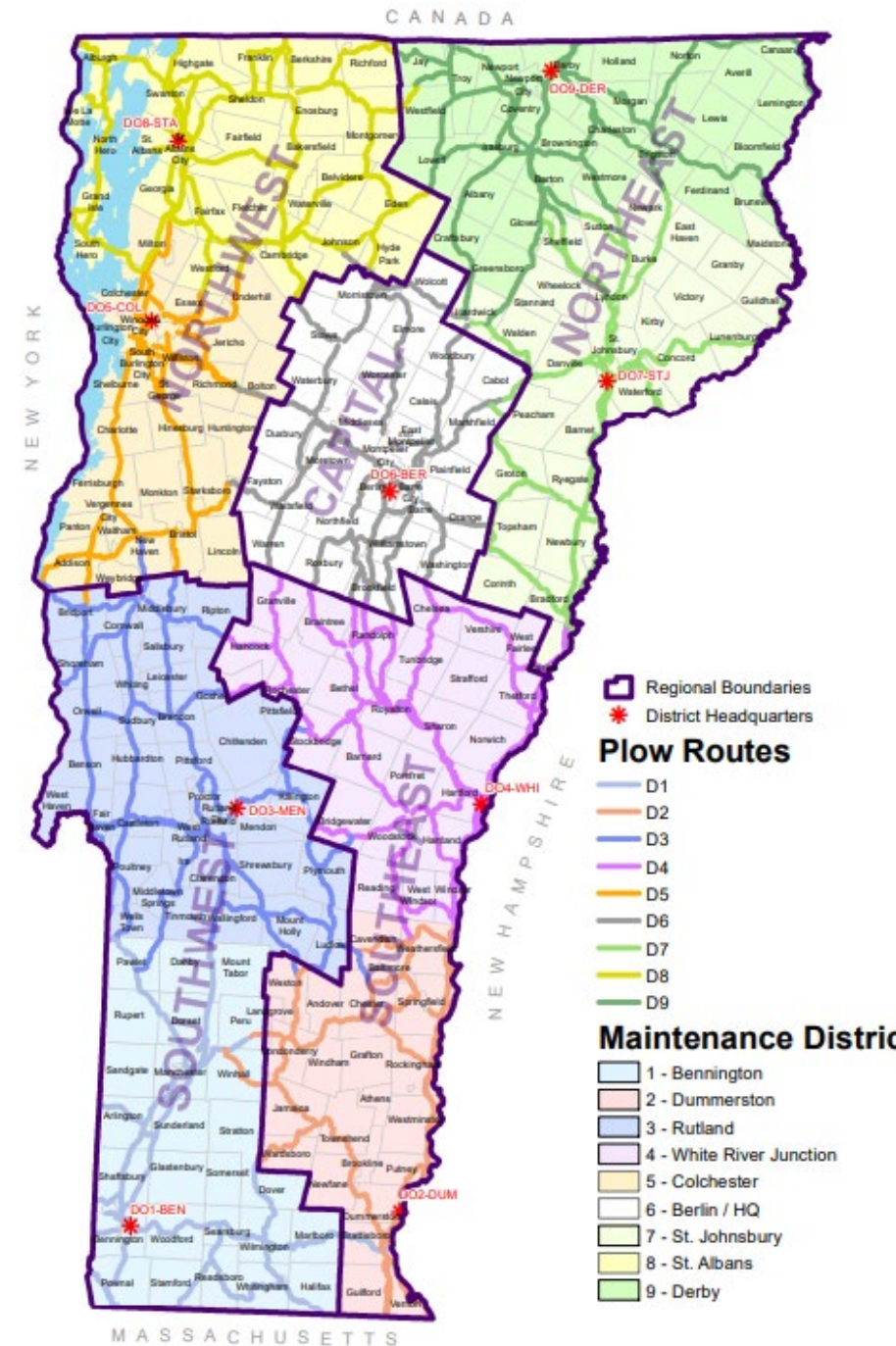
VERMONT AGENCY OF TRANSPORTATION 2023 AND 2024 FLOOD RECOVERY

HOUSE TRANSPORTATION COMMITTEE

1/16/2025

Incident Command Structure(ICS)

1. The Transportation Incident Command Center (TICC)
2. All 5 Maintenance Regions
3. Rail & Aviation Command Structure



ICS Common Operating Picture - Dashboard - Public

All Lanes Closed

9

Miles

14

Partially Open

10

Miles

6

Opened

129

Miles

272

All Lane Closures sorted by Date Logged

VT-122 - - Lyndon

VT-122 in Lyndon/Wheelock is CLOSED between Matthewson Hill Rd and Sutton Rd while crews work to replace a flood damaged culvert. Expect delays in the area and seek an alternate route.
 Last Updated - 7/25/2023, 9:31 AM, Created - 7/25/2023, 8:26 AM

VT-155 - - Weston

VT-155 in Weston is CLOSED at the Mount Holly/Weston Line to Shattuck/Ettinger Rd while crews work to replace a flood damaged culvert. please seek an alternate route and expect delays in the area.
 Last Updated - 7/25/2023, 9:31 AM, Created - 7/25/2023, 7:04 AM

US-302 - - Barre City

US-302 in Barre City is CLOSED at Richardson Rd due to flooding.
 Last update: 10 seconds ago

Partial Closures sorted by Date Logged

VT-15 - - Johnson

TRAFFIC ALERT: VT-15 in Johnson by Nadeau's is open to ONE LANE due to a slide. Barriers in place and crews will be on site.
 Last Updated - 7/25/2023, 12:42 AM, Created - 7/24/2023, 4:28 PM

US-4 - - Hartford

US-4 in Hartford is down to one lane while crews work on repairing flood damage. A temporary signal is in place. Expect delays in the area.
 Last Updated - 7/25/2023, 12:42 AM, Created - 7/24/2023, 9:51 AM

VT-125 - - Ripton

TRAFFIC ALERT: VT-125 in Ripton between Maiden Ln and Frost Rd is down to one lane alternating traffic due to a slide.
 Last Updated - 7/25/2023, 12:42 AM, Created - 7/23/2023, 4:28 PM
 Last update: 10 seconds ago

Last 10 Openings sorted by Date Logged with Original Description

I-91 - - Hartford

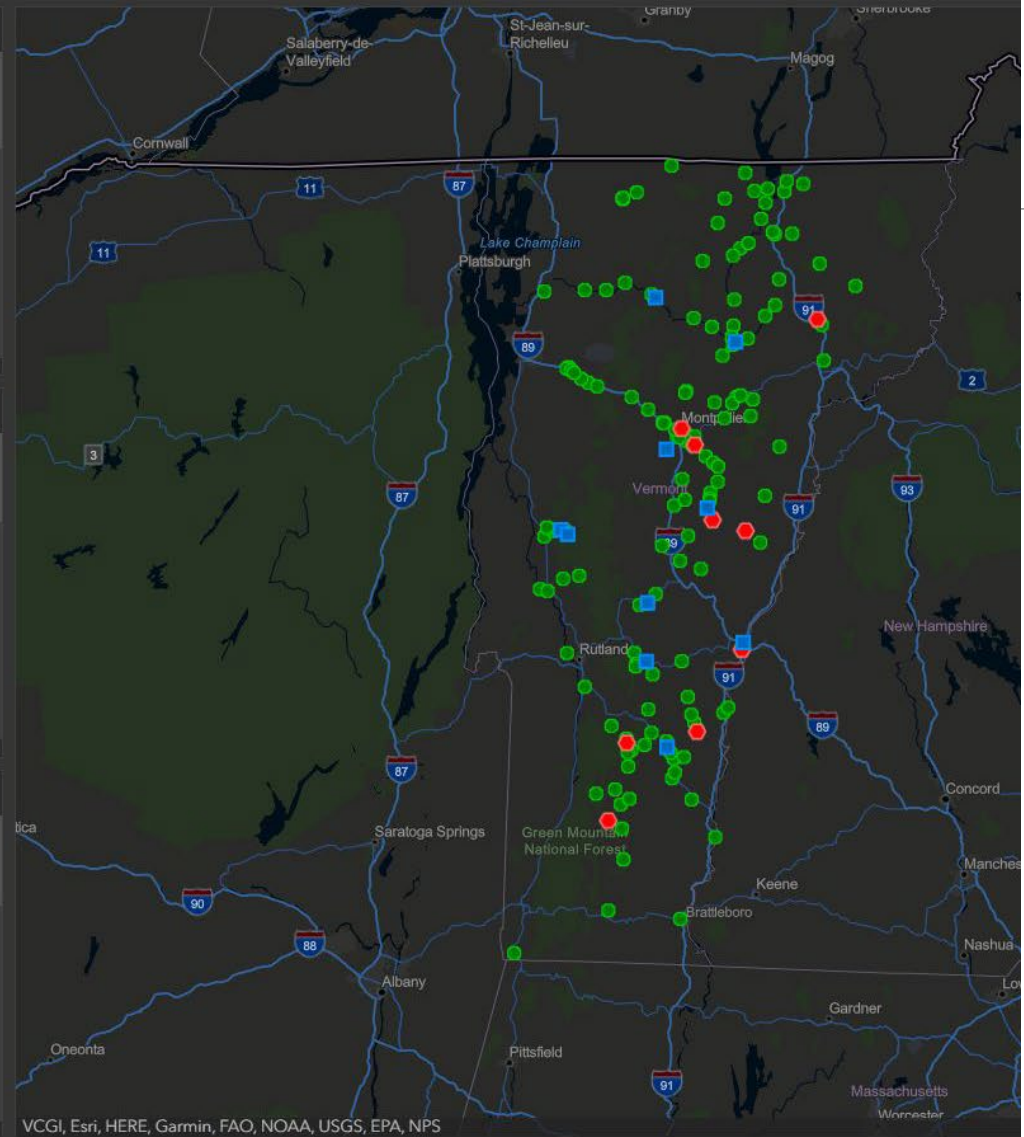
Single lane closure on the I-89 NB to I-91 NB ramp in Hartford (WRJ) while crews work to repair a flood damaged culvert. Expect crews in the area and drive with care.
 Last Updated - 7/25/2023, 11:43 AM, Created - 7/21/2023, 11:35 AM

VT-100 - - Bridgewater

VT-100 in (West) Bridgewater is CLOSED from the intersection of US-4 to Farm and Wilderness Rd due to flooding. Please seek an alternate route and expect delays in the area.
 Last Updated - 7/24/2023, 7:30 PM, Created - 7/7/2023, 6:40 PM

VT-100 - - Jamaica

TRAFFIC ALERT: VT-100 in Jamaica from VT-30 to Meadow Wood Ln. in Wardsboro is down to one lane due to flooding. Drive with caution.
 Last Updated - 7/24/2023, 7:30 PM, Created - 7/11/2023, 9:00 AM
 Last update: 39 seconds ago





Eligibility

FHWA:

- Estimated 421 projects, \$179M
 - 352 Emergency Repairs - \$74M
 - 69 Permanent Repairs - \$105M

FEMA:

- Town Public Assistance
- Debris Removal
- Rail
- Rail Trail
- US 302 Complex

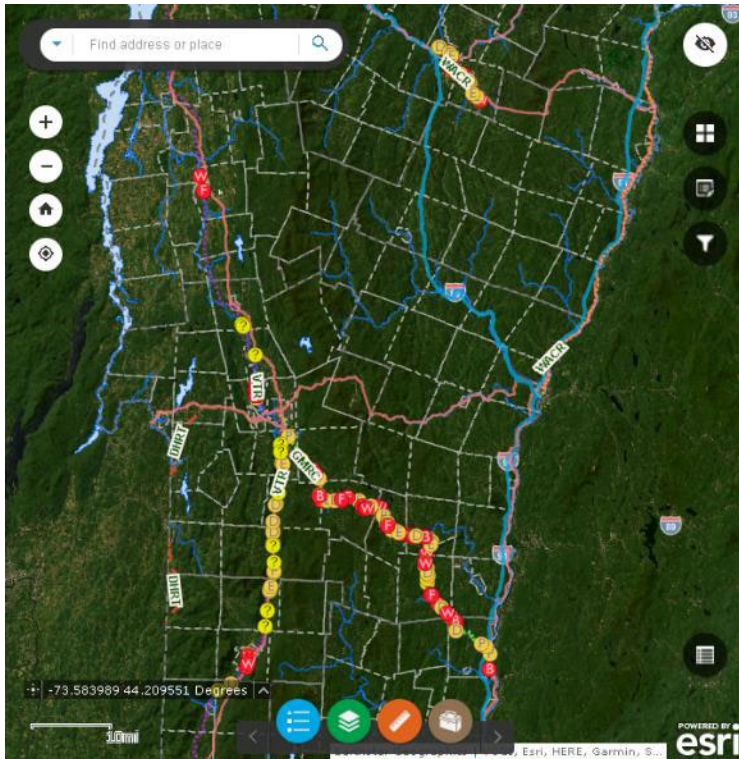


FEMA: July 10th 2023 Weather Event

Damage
Estimate:
\$61,693,264.34

72 Projects Total	49 Railroad
	17 LVRT
	14 Central Garage(302 Complex)
	2 Statewide Debris

State Owned Railroads: 2023 Damage



There were 225 damage locations on the Vermont owned railroads, 65 being debris related. There are 17 remaining projects that will finish the permanent repairs to the disaster events in 2023. There has been \$11.7 M spent to date with an estimated \$17M remaining for permanent repairs.

Rail Damage Occurred in 23 towns.

Damage spanned 123 miles out of the 298 miles of state-owned Rail Lines, or 41%.

25 Bridges and 32 Culverts were affected. 6 Culverts required replacement.

Rail Line: **Green Mountain Railroad (GMRC)**

Recovery

Town: **Ludlow**

MP: **28.07**

July 10th - 13th

July 10th ▾

Sept. 21st

WEEK

1

2

3

4

5

6

7

8

9

10

Storm Event

Present



Rail Line: **Green Mountain Railroad (GMRC)**

Town: **Ludlow**

MP: **28.07**

Recovery

July 10th

Aug. 22nd

Sept. 21st

WEEK

1

2

3

4

5

6

7

8

9

10

Storm Event

Present



Rail Line: Green Mountain Railroad (GMRC)

Town: Wallingford

MP: 39.90

Recovery

July 11th

July 10th



WEEK

1

2

3

4

5

6

7

8

9

10

Sept. 21st

Storm Event

Present



Rail Line: Green Mountain Railroad (GMRC)

Town: Wallingford

MP: 39.90
August 4th

Recovery

July 10th

Sept. 21st

WEEK

1

2

3

4

5

6

7

8

9

10

Storm Event

Present



The July 7-17th, 2023 Storm - Response and Recovery

Impacts to Transportation Facilities

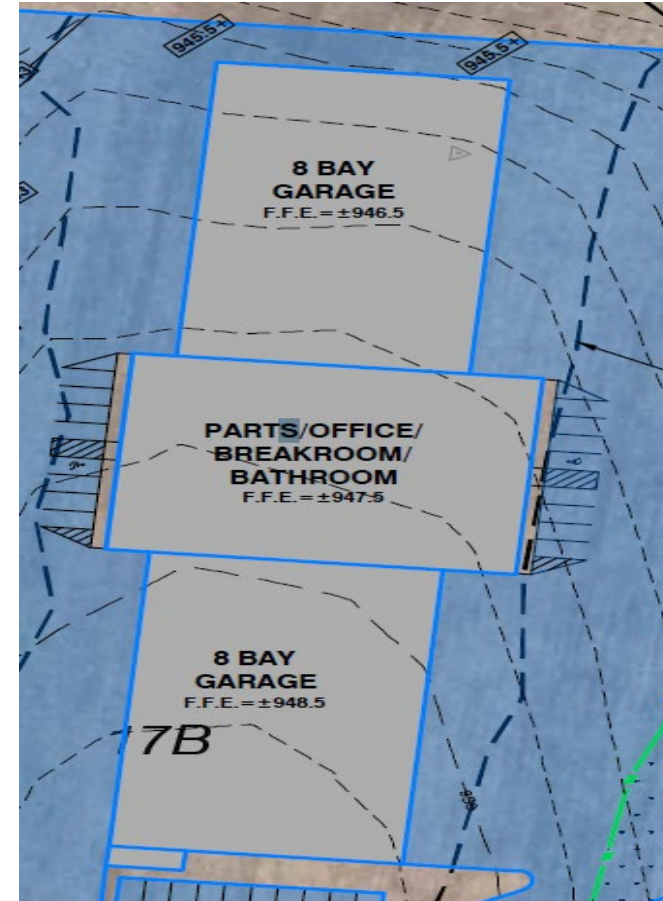
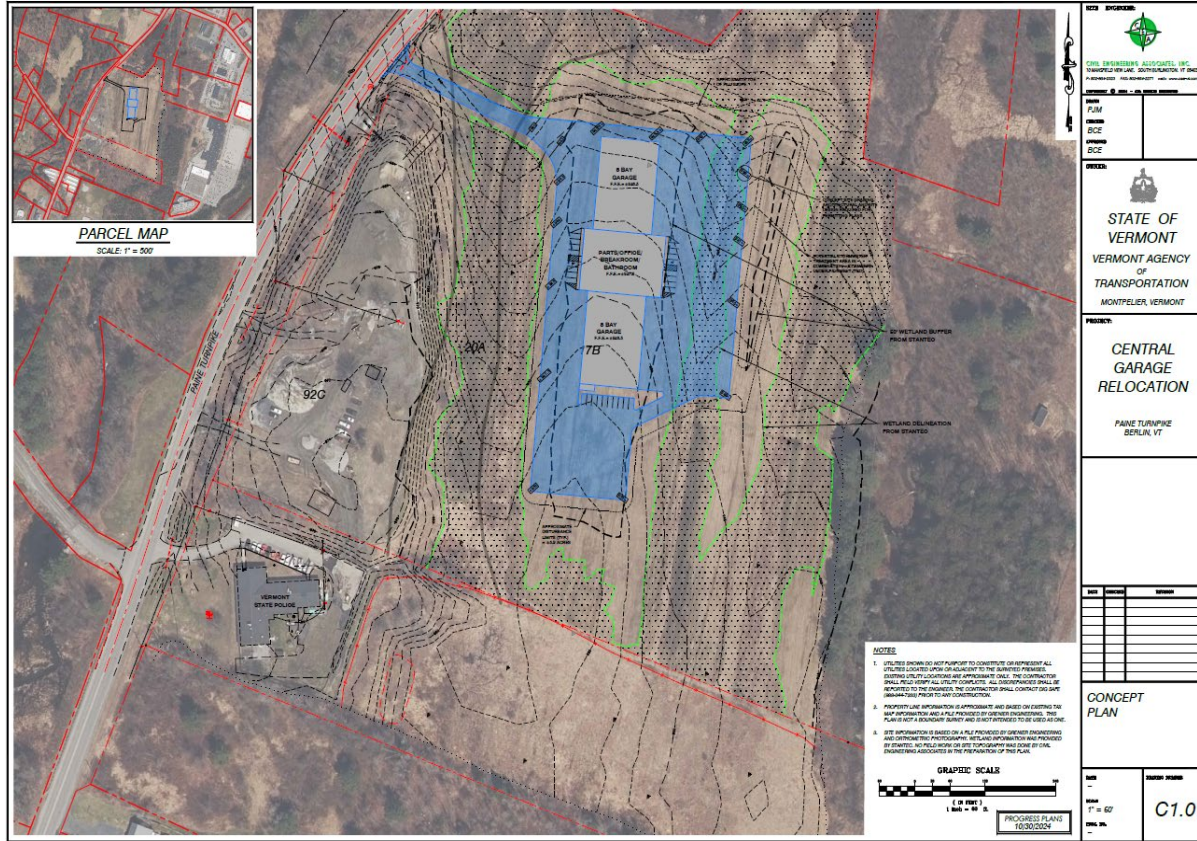
- **Route 302 (Berlin) Central Garage and Training Center Facilities Impacts**

- 6 structures impacted, 1 total loss, 5 significantly impacted.
- 14 vehicles impacted, 3 total losses, 11 repairable
- As of Sept 15, 2023, the Central Garage facility has been relocated into temporary quarters within the current location through some upfit of the existing buildings. Operationally, a majority of the functions of the Central Garage will be sustained at the current location.
 - Temporary Upfit in Storage Building and former District 6 office to continue fleet maintenance




Route 302 (Berlin) Central Garage (Continued)


We have purchased property for the replacement of the Central Garage facility to relocate out of the Flood Plain. Our plan is to work with our partners at ANR to recover some critical flood plain and alleviate some future flooding potential for neighboring communities.



Burlington had never seen as much rainfall on Dec. 18 as it did this year. At 2.2 inches, the city broke its previous record of 0.85 inches, set in 1954.



Also, in Burlington, the minimum temperature of 44 degrees broke the previous record of 39 degrees, set in 1996.



At 59 degrees, the temperature in Montpelier on Monday broke the old record of 50 set in 1949.

December Storm

FHWA:

- Estimated \$7M
 - 31 Emergency Repairs - \$2.5M
 - 2 Permanent Repairs - \$4.5M

FEMA:

- Estimated \$187,175.97
- 3 Projects
 - 1 Railroad- Vermont Railway
 - 1 LVRT(Lamoille Valley Rail Trail)
 - 1 Statewide Debris Project



July 2024 Flooding

July 10, 2024
July 30, 2024 8.4" of Rain
fell in St. Johnsbury



FHWA:

- Estimated 208 projects, \$49M
 - 199 Emergency Repairs - \$30M
 - 9 Permanent Repairs - \$19M

FEMA:

July 10th:

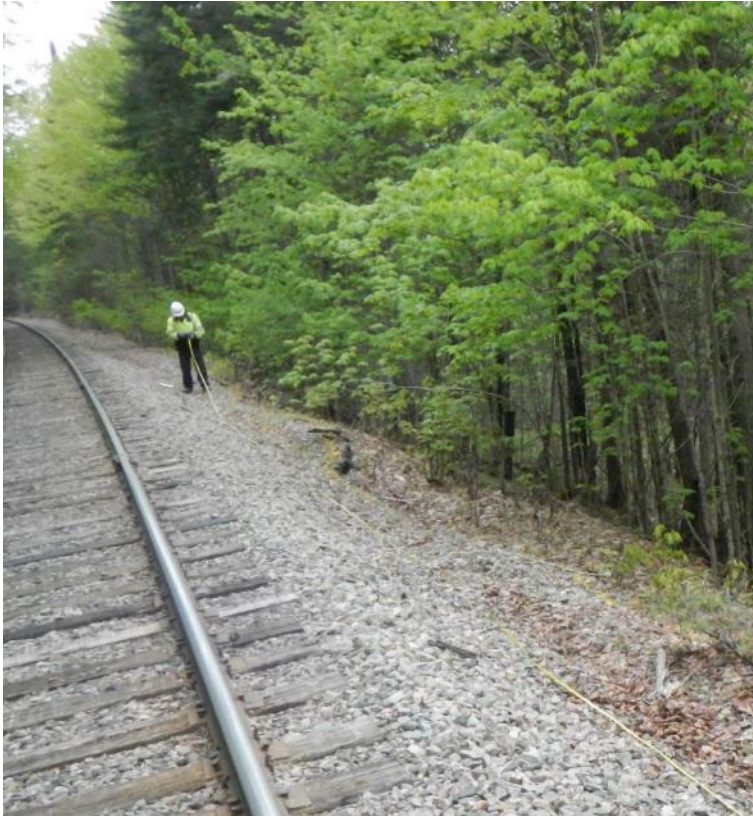
- Estimate \$7,041,387.94

July 30th:

- Estimate \$1,525,000.00



State Owned Railroads: 2024 Damage



FEMA has declared 2 disaster events in 2024 impacting the Vermont owned railroads.

There were 76 damage locations on the Vermont owned railroads on the July 10, 2024 storm and 13 damage locations on the July 29, 2024. There is 1 remaining permanent project being completed for the 2024 event.

Rail Damage estimates for the July 10th Storm was \$5.8M. For the July 29th Storm, the Rail Damage estimate was \$3.8M.

Rail Line: **Washington Country Railroad (WACR)
Connecticut River Line Subdivision**

Town: **Barnet** MP: **51.15**

Damage – July 10th 2024



2024 Storm Damage



2024 Storm Repair