

REPORT OF MEETING

PROJECT NO.: 0123-0068

DATE: August 27, 2024

FEDERAL AID PROJECT NO.: 6123(002)

ROUTE: Bass Road

TOWN(S): Scotland

LOCATION OF MEETING: Virtual Zoom Webinar

SUBJECT OF MEETING: Public Information Meeting for the Replacement of Bridge No. 04772

IN ATTENDANCE:

Dana E. Barrow Jr., First Selectman, Town of Scotland
Marc P. Byrnes, P.E., Supervising Engineer, CTDOT
Michelle M. Rame, Project Engineer, CTDOT
Zachary Guarino, Project Coordinator, CTDOT
Michael J. Brady, P.E., Project Manager, GM2
Daniel T. Carnein, P.E., Project Engineer, GM2

There were approximately 5 people in attendance from the public. The meeting participants included representatives from the Town of Scotland (Town), the Connecticut Department of Transportation (CTDOT), and GM2 Associates, Inc. (GM2). The meeting was well advertised, notices were mailed to abutting property owners, a public notice was published twice in the local newspaper, the Chronicle, and the meeting information was posted to the Town's website and social media page.

TRANSACTIONS AND DETERMINATIONS:

The Virtual Public Information Meeting started at 7:00 p.m. with a presentation. The presentation began with Mr. Marc P. Byrnes, P.E., Supervising Engineer, CTDOT, introducing the project, reviewing how to use the Zoom webinar features and interact with the project team, explaining the Federal Local Bridge "Design Managed by State" (DMS) Program, and introducing the project team. Mr. Byrnes then introduced First Selectman Dana R. Barrow Jr. from the Town for welcoming remarks. First Selectman Barrow thanked the project team for including this project on the DMS program and providing funding for this project and three other bridges in town. First Selectman Barrow noted that the size of the town and budget constraints would make replacement of these bridges almost impossible without the DMS program. First Selectman Barrow assured the public that these projects in the town of Scotland would not be paused or allowed to slide for other recent bridge failures in other larger towns in the state. The presentation was then turned over to Mr. Daniel T. Carnein, P.E., GM2, to discuss the project's design progress.

Mr. Carnein explained the condition of the existing bridge and defined the purpose and need for the project. Mr. Carnein introduced the proposed improvements, project plans, and detour for the replacement of Bridge No. 04772. Permitting requirements, rights-of-way impacts, construction schedule, and construction cost were also discussed during the presentation.

Key points of the project design portion of the presentation include:

- Bridge No. 04772 carries Bass Road over Merrick Brook and is located 0.25 miles south of the intersection with Gager Hill Road.
- The existing bridge failed in 2023 during a storm event.
- Bass Road is currently closed to vehicular traffic.
- The remaining existing bridge elements will be replaced with a new precast concrete box beam superstructure supported by reinforced concrete integral abutments founded on piles.
- The span length will be increased from the original 21' to a 54-foot clear span.
- The bridge will have a 24-foot curb-to-curb width that accommodates two travel lanes.
- Open bridge rail will be installed across the structure and terminate into reinforced concrete end blocks.
- The end blocks and exposed substructure elements will be treated with concrete form liner to create a simulated stone masonry appearance.
- Metal guiderail systems that meet current safety standards will be installed at all four corners of the bridge and replace all wooden posts within the project limits.
- A dry hydrant will be installed at the bridge.
- The proposed bridge will eliminate roadway flooding during a 100-year storm event.
- There is no scour calculated for the proposed bridge during the 200 or 500-year storm events.
- The channel and embankments will be stabilized with stone riprap.
- Construction will utilize the existing detour that is approximately 3.8 miles long.
- All necessary environmental permits will be obtained for the project.
- The project will involve rights-of-way acquisitions in the form of temporary construction easements and a right to reconstruct driveway.
- Property impacts will be finalized, and individual property owners will be contacted as design progresses.
- Construction is anticipated to start in the Spring of 2027 but could start in 2026 based on permitting and rights-of-way requirements.
- The estimated construction cost including incidentals and inflation is \$3,259,000.
- The project is funded with 80% Federal funds, 20% State funds, and no cost to the Town.

The presentation was then turned over to Mr. Zachary Guarino, Project Coordinator, CTDOT Division of Rights of Way, to discuss the rights-of-way process.

The presentation was then concluded with Ms. Michelle M. Rame, Project Engineer, CTDOT, reviewing the live Q&A procedures.

First Selectman Barrow asked for project pictures, presentation and materials to be sent to the Town. Mr. Carnein responded yes, and that all project materials will also be made available on the project webpage.

The following question was received through the Zoom Q&A function: Any idea as to when the bridges on Brook Road will be started?

Mr. Carnein responded that both the Bass Road and Brook Road bridges are high priorities and that the Brook Road bridges are also in design a couple months behind the Bass Road project. Construction schedules for all the projects would need to be further coordinated. The Brook Road bridge would most likely begin construction after the Bass Road project in late 2026 or 2027. First Selectman Barrow stated that construction on the northern collapsed Brook Road bridge could occur at the same time as the Bass Road bridge but would need to be constructed prior to the southern temporary Brook Road bridge.

Ms. Rame reminded all attendees that project materials will be located on the project webpage, and that the formal comment period for this presentation is open until September 10, 2024. Attendees were also encouraged to fill out the voluntary feedback survey.

No other questions were received, and the meeting ended at 7:28 p.m.

POST MEETING:


The official comment period ended on September 10, 2024. No comments or questions were received by the Town, CTDOT, and GM2.

Submitted By: _____ Date: _____
Daniel T. Carnein, P.E.
Project Engineer
GM2

Reviewed By: _____ Date: _____
Michelle M. Rame
Project Engineer
CTDOT

Daniel T. Carnein/dtc

cc: Project File
Attendees



Public Information Meeting State Project No. 0123-0068

Replacement of Bridge No. 04772
Bass Road over Merrick Brook
Scotland

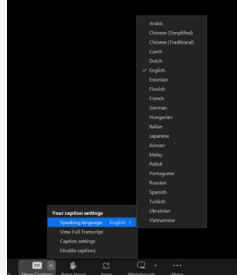

Tuesday, August 27, 2024

1

How to view captions & subtitles in Zoom

1. Click Show Captions (CC).
2. Click the Speaking Language.
3. Select the language you would like from the list shown.

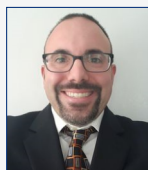
Closed captioning—including non-English translation options—are available on YouTube after the event.


2

Meeting Overview

- Interacting with the Project Team
- Explain Federal Local Bridge "Design Managed by State" (DMS) Program
- Introduce the Project Team
- Welcoming Remarks by Town of Scotland
- Formal Presentation of the Design Progress
 - Explain the condition of existing bridge & define Purpose and Need
 - Recommend a viable proposal (Design Plans are only 30% complete)
- Open the Forum to your Q&A's



Marc Byrnes, P.E.
Supervising Engineer
CTDOT
Tel. No. (860) 594-3489
Marc.Byrnes@ct.gov



3



Title VI – Your Civil Rights

No person shall, on the basis of race, color, or national origin, be excluded from participation or subject to discrimination in the development of this project.


- Voluntary Post-Meeting Survey: <https://portal.ct.gov/ctdotsurvey>
- Civil Rights information: <https://portal.ct.gov/DOT/Business/Office-of-Equity/Title-VI-Page>

A recording of this presentation will be posted to CTDOT's YouTube channel after the event.

Closed captioning—including non-English translation options—are available on Zoom and YouTube.

4



Connecticut Department of Transportation Title VI Notice to the Public

The Connecticut Department of Transportation (CTDOT) operates its programs and services without regard to race, color, and national origin in accordance with Title VI of the Civil Rights Act. Any person who believes that he or she has been aggrieved by any unlawful discriminatory practice under Title VI may file a complaint with the CTDOT.

For more information on the CTDOT's civil rights program, and the procedures to file a complaint, contact the CTDOT Title VI Coordinator at (860) 594-2169, TR5 711, Debra Goss, or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit www.ct.gov/dot.

A complainant may file a complaint directly with the Federal Transit Administration by filing a complaint with the FTA Office of Civil Rights, Attention: Title VI Program Coordinator, East Building, 5th Floor-TCR, 1200 New Jersey Ave., SE, Washington, DC 20590.

A complainant may file a complaint directly with the Federal Highway Administration by filing a complaint with the FHWA Office of Civil Rights, Attention: Title VI Program Coordinator, 8th Floor E81-105, 1200 New Jersey Ave., SE, Washington, DC 20590.


For more information in Chinese, Spanish, Vietnamese, or other languages, please contact the Title VI Coordinator at (860) 594-2169, TR5 711, Debra Goss, or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit www.ct.gov/dot.

For more information in Spanish, Vietnamese, or other languages, please contact the Title VI Coordinator at (860) 594-2169, TR5 711, Debra Goss, or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit www.ct.gov/dot.

For more information in Vietnamese, or other languages, please contact the Title VI Coordinator at (860) 594-2169, TR5 711, Debra Goss, or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit www.ct.gov/dot.

For more information in other languages, please contact the Title VI Coordinator at (860) 594-2169, TR5 711, Debra Goss, or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit www.ct.gov/dot.

5



Departamento de Transporte de Connecticut Título VI Aviso al Público

El Departamento de Transporte de Connecticut (CTDOT) se compromete a asegurar que ninguna persona sea excluida de participar en, o le sean negados los beneficios de, sus servicios de transporte basándose en la raza, color o país de origen de la persona protegida por el Título VI de la Ley de los Derechos Civiles. Si a usted le parece que ha sido objeto de discriminación en lo que corresponde al Título VI, puede presentar una queja al CTDOT.

Para más información sobre el programa de derechos civiles del CTDOT y el proceso de presentar una queja, comuníquese con el Coordinador del Título VI del CTDOT al teléfono (860) 594-2169, TR5 711, Debra Goss, o visite nuestra oficina administrativa en 2800 Berlin Turnpike, Newington, CT 06131. Para más información, visite www.ct.gov/dot.

Un denunciante puede presentar una queja directamente ante la Federal Transit Administration si lo hace ante la FTA Office of Civil Rights, Attention: Title VI Program Coordinator, East Building, 5th Floor-TCR, 1200 New Jersey Ave., SE, Washington, DC 20590.

Un denunciante podrá presentar una queja directamente ante la Federal Highway Administration si lo hace ante la FHWA Office of Civil Rights, Attention: Title VI Program Coordinator, 8th Floor E81-105, 1200 New Jersey Ave., SE, Washington, DC 20590.

Para recibir más información o ayuda gratuita en otros idiomas, llame al (860) 594-2109.

For more information in Chinese, Spanish, Vietnamese, or other languages, please contact the Title VI Coordinator at (860) 594-2169, TR5 711, Debra Goss, or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit www.ct.gov/dot.

For more information in Spanish, Vietnamese, or other languages, please contact the Title VI Coordinator at (860) 594-2169, TR5 711, Debra Goss, or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit www.ct.gov/dot.

For more information in Vietnamese, or other languages, please contact the Title VI Coordinator at (860) 594-2169, TR5 711, Debra Goss, or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit www.ct.gov/dot.

For more information in other languages, please contact the Title VI Coordinator at (860) 594-2169, TR5 711, Debra Goss, or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit www.ct.gov/dot.

6

How to use Zoom Q&A

- (1) Select the Q&A tool at the bottom of the Zoom webinar window.
- (2) The Q&A window will open as seen on the right.
- (3) Please type question in the textbox and click enter.
- If you are an audio only participant, dial *9 to raise and lower your hand.

7

Question & Answer Session

- By Email:** DOT-FLBP@ct.gov
- By Phone:** (860) 594-2020
Please reference Project No.123-68 in your voicemail
- On Zoom:** Q&A
- Project Webpage:** <https://portal.ct.gov/dotscotland123-68>

Note: Comment period is open through September 10, 2024
*Zoom Q&A is only available during live Q&A session

8

Funding for Project

Federal Local Bridge Program – “Design Managed by State” (DMS)

Traditional Fed. Local Program: 80% Federal and 20% Town for Design, ROW, and CN

DMS: Design, ROW, and CN Phases are funded with 80% Federal and 20% State Funds

- Design is at zero cost to the Town
- Design is “Full Partnership” and Coordination with the Town

Goals of DMS:

- Provide a “Streamlined approach to Design” using full DOT resources
- Aid the Towns to Keep their bridges in “State of Good Repair” by effective use of funds
- Decrease typical design time
- Utilize Accelerated Bridge Construction (ABC) techniques to shorten construction duration
- Increase the number of municipal projects delivered to construction each year

9

CTDOT Project Team

10

CLE Project Team

--	--	--

11

Bridge Structural Elements Diagram

Bridge Condition Ratings
Scale: 0 to 9
9 – Excellent
8 – Very Good
7 – Good
6 – Satisfactory
5 – Fair
4 – Poor
3 – Serious
2 – Critical
1 – Imminent Failure
0 – Bridge Closed

12

Welcoming Remarks from Town of Scotland



Town Project Contact:
 Dana E. Barrow Jr.
 First Selectman
 (860) 456-7797 Ext. 1
 firstselectman@scotlandct.org





Bridge No. 04772 // State Project No. 0123-0068

13

State Project No. 0123-0068

Replacement of Bridge No. 04772, Bass Road over Merrick Brook, Scotland

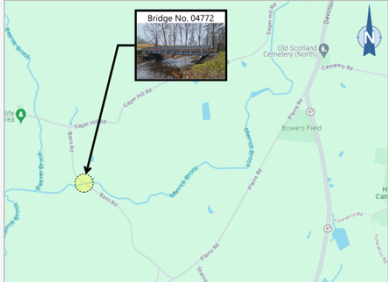





Bridge No. 04772 // State Project No. 0123-0068

14

Project Location




- Approximately 0.25 miles south of intersection with Gager Hill Road

Bridge No. 04772 // State Project No. 0123-0068

15

Aerial View

Bridge No. 04772 // State Project No. 0123-0068

16





Existing Structure

Structure Information

- Original concrete slab and precast beam superstructure
- ACROW bridge retrofit over original structure in 2020
- ACROW bridge piles and tie backs installed, and original superstructure removed Summer 2023
- 21' single span; 26' total length
- 22'-9" curb-to-curb width
- 19° Skew

Roadway Information

- Rural Local road classification
- ADT: 343 vpd (currently closed)
- 30 MPH posted speed limit
- No Sidewalks


Bridge No. 04772 // State Project No. 0123-0068

17



Approach Condition

Rating = 0 (Bridge Closed)

- Original structure had Approach Rating of '6'
- ACROW bridge over original structure utilized one lane of stop sign - controlled alternating one-way traffic
- No guiderail systems
- Wood posts along edge of road



West Approach


Bridge No. 04772 // State Project No. 0123-0068

18

Structure Condition

Rating = 0 (Bridge Closed)


- Original substructure collapsed into channel Fall 2023
- ACROW bridge supported by helical piles and tie backs in approach roadway
- Helical piles and tie backs exposed during bridge failure event



Upstream Elevation
Bridge No. 04772 // State Project No. 0123-0068

19

Structure Condition (cont.)



- Existing upstream wingwalls
- Existing downstream elevation and failed wingwalls
- Failed abutment and exposed piles
- Failed wingwall and exposed pile and tiebacks


Bridge No. 04772 // State Project No. 0123-0068

20

Channel and Scour Conditions

**Channel Rating = 0
Scour Rating = 0
(Bridge Closed)**

- History of scour activity
- ACROW bridge installed over original structure in 2020 due to undermining and imminent failure
- Rated scour critical prior to failure in Fall 2023 storm events



Bridge No. 04772 // State Project No. 0123-0068


21

Purpose and Need

Address the failure of Bridge No. 04772 and open Bass Road to vehicular traffic

Provide a new bridge that:

- Meets current design standards
- Is resilient to future storm events




Downstream Elevation
West Approach
Bridge No. 04772 // State Project No. 0123-0068

22

Proposed Improvements

Full Bridge Replacement

- Precast concrete box beam superstructure
- Reinforced concrete integral abutments
- Deep pile foundations
- 54' clear span
- 24' curb-to-curb width (Two 12' lanes)
- Open bridge rail
- Simulated stone masonry
- Guiderail that meets current safety standards
- Dry hydrant




Example of bridge with simulated stone and open railing
Bridge No. 04772 // State Project No. 0123-0068

23

Proposed Improvements (cont.)

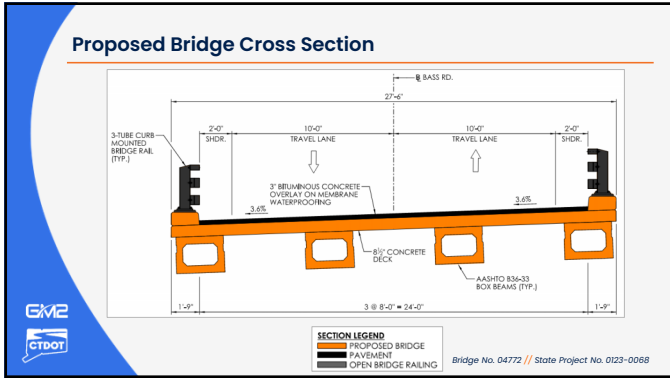
Improved Hydraulic Conditions

- Proposed 54' clear span significantly larger than original 21' span
- Roadway will not overtop during 100-year storm (original bridge caused overtopping during 50-year storm)
- No calculated scour at bridge for 200 or 500-year storm events
- Additional bank stabilization and piles for resiliency

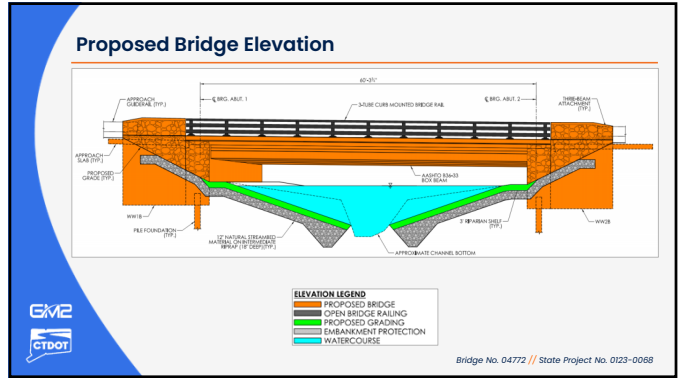


Merrick Brook downstream from Bridge No. 04772
Bridge No. 04772 // State Project No. 0123-0068

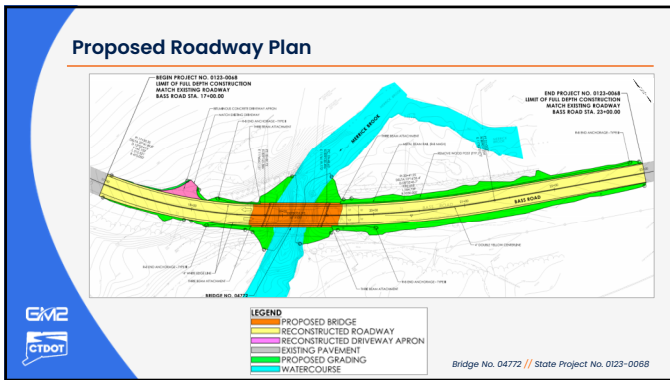
24



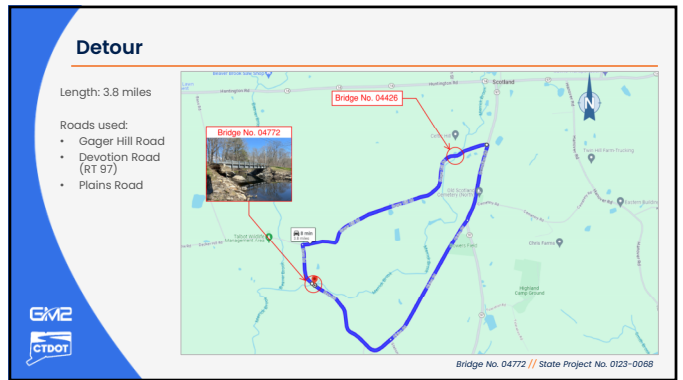
25



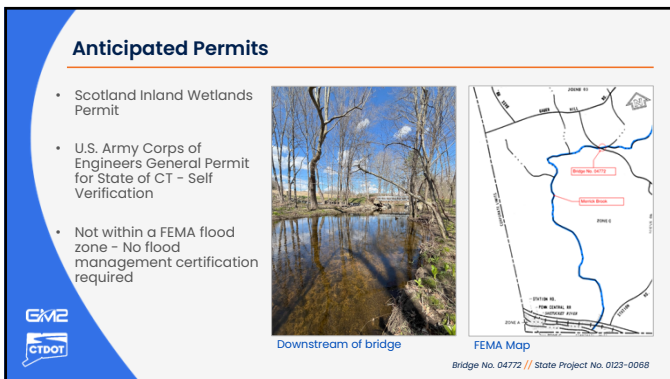
26



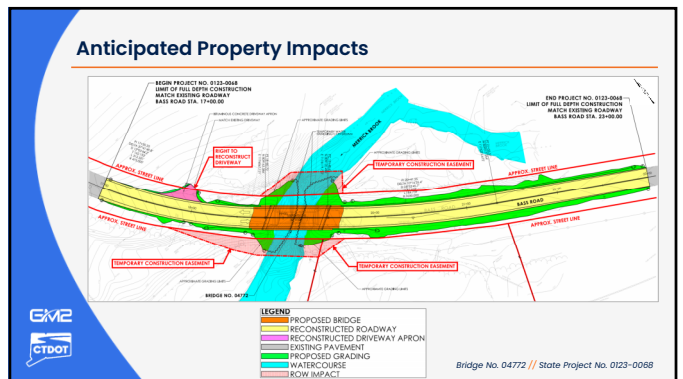
27



28



29



30

Anticipated Schedule and Cost


Schedule:

- Construction Start: Spring 2027 (subject to ROW and permit approvals)
- Construction Duration: 6 - 8 months (one construction season)

Construction Cost: \$3,259,000

- 80% Federal Funds
- 20% State Funds
- No cost to Town

Note: Schedule and cost are preliminary and subject to change




Bridge No. 04772 // State Project No. 0123-0068

31

Division of Rights of Way

- Function
 - Acquire all property/property rights necessary for the project.
- Statutory References
 - State of Connecticut: C.G.S. Section 13a-73 & 13a-98e
 - Federal: Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as Amended.
- Impacts to Private Property*
 - Partial Acquisitions
 - Easements
 - Rights

*Impacts Subject to Change as Design Progresses

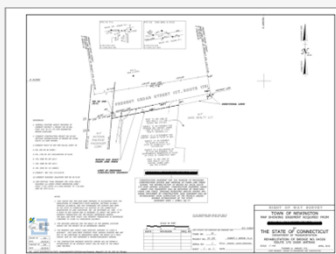



Bridge No. 04772 // State Project No. 0123-0068

32

Division of Rights of Way

- ROW Process
 - Letter of Intent to Acquire
 - Valuation
 - Offer of Compensation
 - Negotiation
 - Acquisition
 - Agreement
 - Condemnation





Bridge No. 04772 // State Project No. 0123-0068

33


Question & Answer Session

- **By Email:** DOT-FLBP@ct.gov
- **By Phone:** (860) 594-2020
Please reference Project No. 123-68 in your voicemail
- **On Zoom:** Q&A
- **Project Webpage:** <https://portal.ct.gov/dotscotland123-68>



Moderator will answer questions in Zoom Q&A function

Note: Comment period is open through September 10, 2024
*Zoom Q&A is only available during live Q&A session



Bridge No. 04772 // State Project No. 0123-0068

34

Daniel Carnein

From: Rame, Michelle M. <Michelle.Rame@ct.gov>
Sent: Thursday, September 12, 2024 9:13 AM
To: Daniel Carnein
Cc: Byrnes, Marc P; Michael Brady
Subject: [WARNING-EXT]RE: 0123-0068, Bass Road, VPIM comments

Hi Dan,
I just double check and we did not receive any additional comments or questions during the VPIM comment period for Scotland.

Best,
Michelle

From: Daniel Carnein <DCarnein@GM2INC.COM>
Sent: Thursday, September 12, 2024 9:02 AM
To: Rame, Michelle M. <Michelle.Rame@ct.gov>
Cc: Byrnes, Marc P <Marc.Byrnes@ct.gov>; Michael Brady <mbrady@gm2inc.com>
Subject: RE: 0123-0068, Bass Road, VPIM comments

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Good Morning Michelle,

Did CTDOT receive any comments or questions during the formal VPIM comment period for Project No. 0123-0068?

Thank you,
Dan

DANIEL T. CARNEIN, PE
P 860.659.1416 | D 860.815.2976



From: Daniel Carnein
Sent: Wednesday, September 11, 2024 1:42 PM
To: Rame, Michelle M. <michelle.rame@ct.gov>
Cc: Byrnes, Marc P <marc.byrnes@ct.gov>; Michael Brady <MBrady@GM2INC.COM>
Subject: FW: [WARNING-EXT]RE: 0123-0068, Bass Road, VPIM comments

Hello Michelle,

Please see below. The town of Scotland did not receive any comments during the formal VPIM comment period for Project No. 0123-0068.

Did CTDOT receive any comments or questions? We will finalize the VPIM report of meeting once we receive the response.

Thank you,
Dan

DANIEL T. CARNEIN, PE
P 860.659.1416 | D 860.815.2976



From: Wendy O'Connor <adminassist@scotlandct.org>
Sent: Wednesday, September 11, 2024 1:37 PM
To: Daniel Carnein <DCarnein@GM2INC.COM>; Dana Barrow <firstselectman@scotlandct.org>
Cc: Byrnes, Marc P <marc.byrnes@ct.gov>; Rame, Michelle M. <michelle.rame@ct.gov>; Michael Brady <MBrady@GM2INC.COM>
Subject: [WARNING-EXT]RE: 0123-0068, Bass Road, VPIM comments

Hi Daniel,

There were no comments or questions that came to our office.

Wendy O'Connor

Executive Administrator
First Selectman's Office
Tel: (860) 456-7797 ext. 1
Fax: (860) 423-3666

www.scotlandct.org

Town Hall Hours:

Tuesday & Thursday: 9am – 3pm

Wednesday: 1pm – 7pm

From: Daniel Carnein <DCarnein@GM2INC.COM>
Sent: Wednesday, September 11, 2024 1:35 PM
To: Dana Barrow <firstselectman@scotlandct.org>
Cc: Wendy O'Connor <adminassist@scotlandct.org>; Byrnes, Marc P <marc.byrnes@ct.gov>; Rame, Michelle M. <michelle.rame@ct.gov>; Michael Brady <MBrady@GM2INC.COM>
Subject: RE: 0123-0068, Bass Road, VPIM comments

Good Afternoon Dana,

Can you please confirm if the Town received any comments or questions on Project No. 0123-0068, Replacement of Bridge No. 04772, Bass Road over Merrick Brook?

Thank you,
Dan

DANIEL T. CARNEIN, PE
P 860.659.1416 | D 860.815.2976



From: Daniel Carnein

Sent: Tuesday, September 10, 2024 8:38 AM

To: Dana Barrow <firstselectman@scotlandct.org>

Cc: Wendy O'Connor <adminassist@scotlandct.org>; Byrnes, Marc P <marc.byrnes@ct.gov>; Rame, Michelle M. <michelle.rame@ct.gov>; Michael Brady <MBrady@GM2INC.COM>

Subject: 0123-0068, Bass Road, VPIM comments

Good Morning Dana,

The formal Virtual Public Information Meeting comment period for Project No. 0123-0068, Replacement of Bridge No.04772, Bass Road over Merrick Brook, ends today, 9/10/24.

Has the Town received any comments or questions regarding the project?

Thank you,
Dan



DANIEL T. CARNEIN, PE

Senior Civil Engineer

P 860.659.1416

D 860.815.2976