

Inspection Type: Incident



BRIDGE NO. 04805

78600 - VOLUNTOWN
FORGE HILL ROAD
over
PACHAUG RIVER

Incident Inspection

1/10/2022

Inspected by: Team 4



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Form: Location

Inspection type: Incident

Inspection Date: 1/10/2022

Inspected by: Team 4

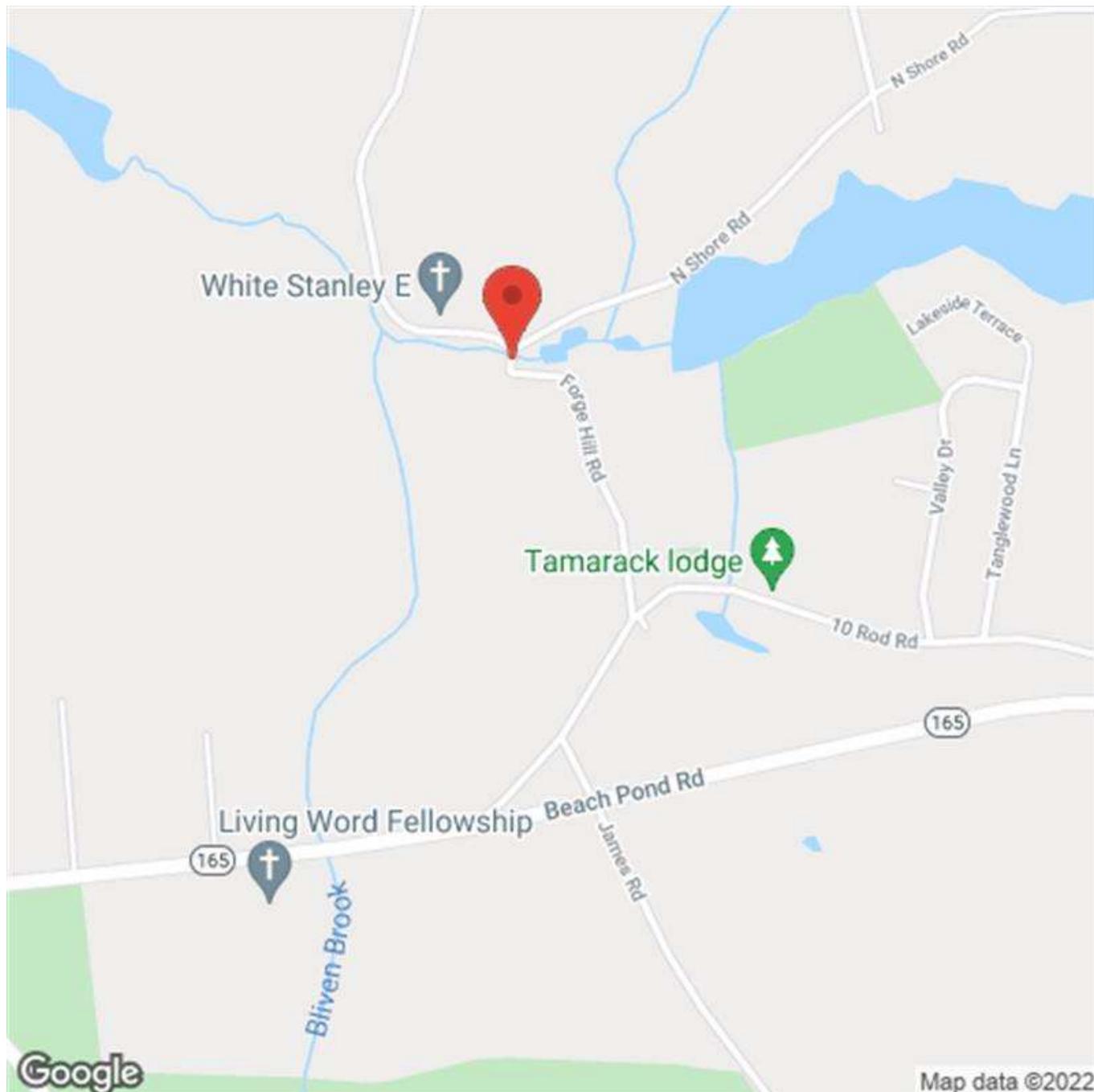
:Bridge No 04805

Town: VOLUNTOWN

Carried: FORGE HILL ROAD

Crossed: PACHAUG RIVER

Inventory Route: Non-NHS



Location Map # 1

INCIDENT REPORT**Inspectors:**

Lead Inspector:	Michael Holdridge
Inspector:	Task:
Freeman Jr.,William	BSE - TE3
Holdridge,Michael	BSE - Inspector
LaLima,Zachary	BSE - Inspector

Visits:

Visit Date:	Temp:	Start Time:	End Time:
01/10/2022	27	08:10 AM	09:00 AM

Date of 01/09/2022 Time of

Type of Investigation:	Structure Hit	Bridge Person Notified:	Dave Esposito
Investigation Initiated By:		In:	Bridge Maintenance
From:	Highway Operations	Method Notified:	Phone
		Date Notified:	01/09/2022
		Time Notified:	8:30 PM

Number of Spans: 001 Year Built: 1920 Maintained By: 03

Posted For Load: Height:

Single Unit Truck:	Tons		
Semi-Trailer Truck:	Tons	Posted Vert. Clearance on Bridge:	ft. in.
4 Axle Truck:	Tons	Posted Vert. Underclearance:	ft. in.
3S2 Truck:	Tons		
All Vehicles:	Tons		

Description of Condition:

Collision damage to the southbound bridge rail/rail base/attachment and minor substructure spall.
 -Top rail torn off ($\pm 15\%$ linear feet)
 -Bridge rail southbound leading end post twisted and bent.
 -16 in. x 13 in. x up to 4 in. deep spall with exposed steel to the rail base.
 -15 in. x 10 in. x 2 in. deep hollow area on WW 2A cap spalled off.

Immediate Actions Taken:

Bridge closed by Town at the time of the inspection.

First Selectman contacted (1-10-22 email & phone) with State recommendations:

- repair bridge rail and attachment system.
- alternating one-way traffic on bridge with stop signs on both sides of the bridge.
- replace structure due to collision damage and previous superstructure condition.

Form: BRI-24, Rev. 1/14

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*If Applicable: Work Item No.:

Priority:

D No.:

Submit Maintenance 14 form

Comments:

Case# CFS 2200-12647

The latest Load Rating in 2019 is a judgement rating due to the nonexistent construction plans. If no plans can be located the procedure for an accurate calculated load rating would be a costly procedure. Therefore at this time with a project initiation in the works and the alternating one-way traffic on the bridge a new load rating will not be performed.

FOLLOW UP TO INITIATOR:

Warranted:

Method:

Date:

By whom:

In:

Comments:

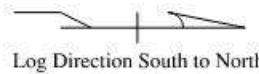
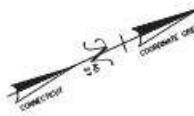
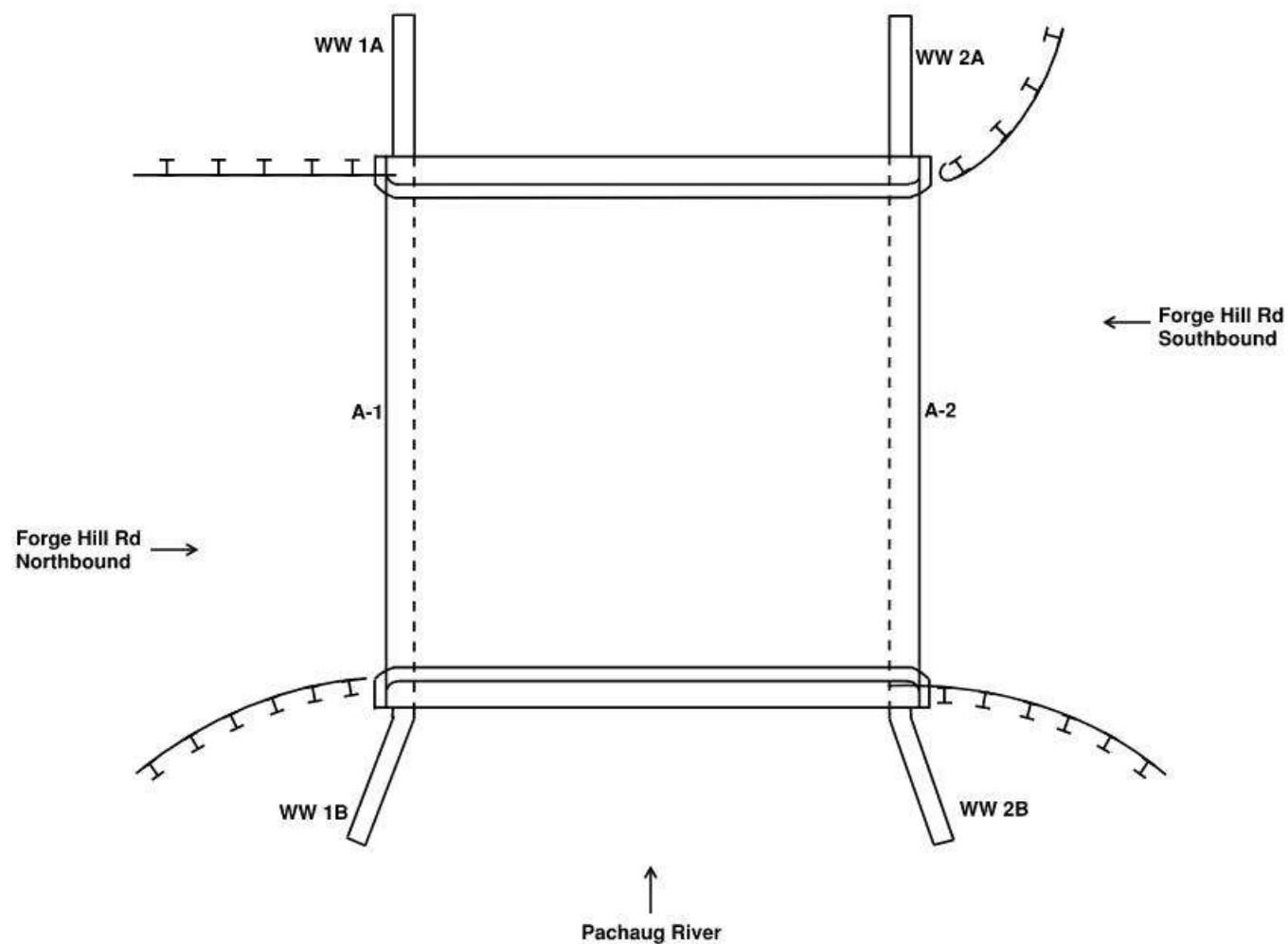

William Freeman Jr.

William Freeman Jr.

Date: 01/11/2022

Sketches**Inspection type:** Incident**Inspection Date:** 1/10/2022**Inspected by:** Team 4**Town:** VOLUNTOWN**Carried:** FORGE HILL ROAD**Crossed:** PACHAUG RIVER**Inventory Route:** Non-NHS

CREW:	Team 4	DATE:	08/01/2018	BRIDGE NO.:	04805
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**Key Plan**

N.T.S.

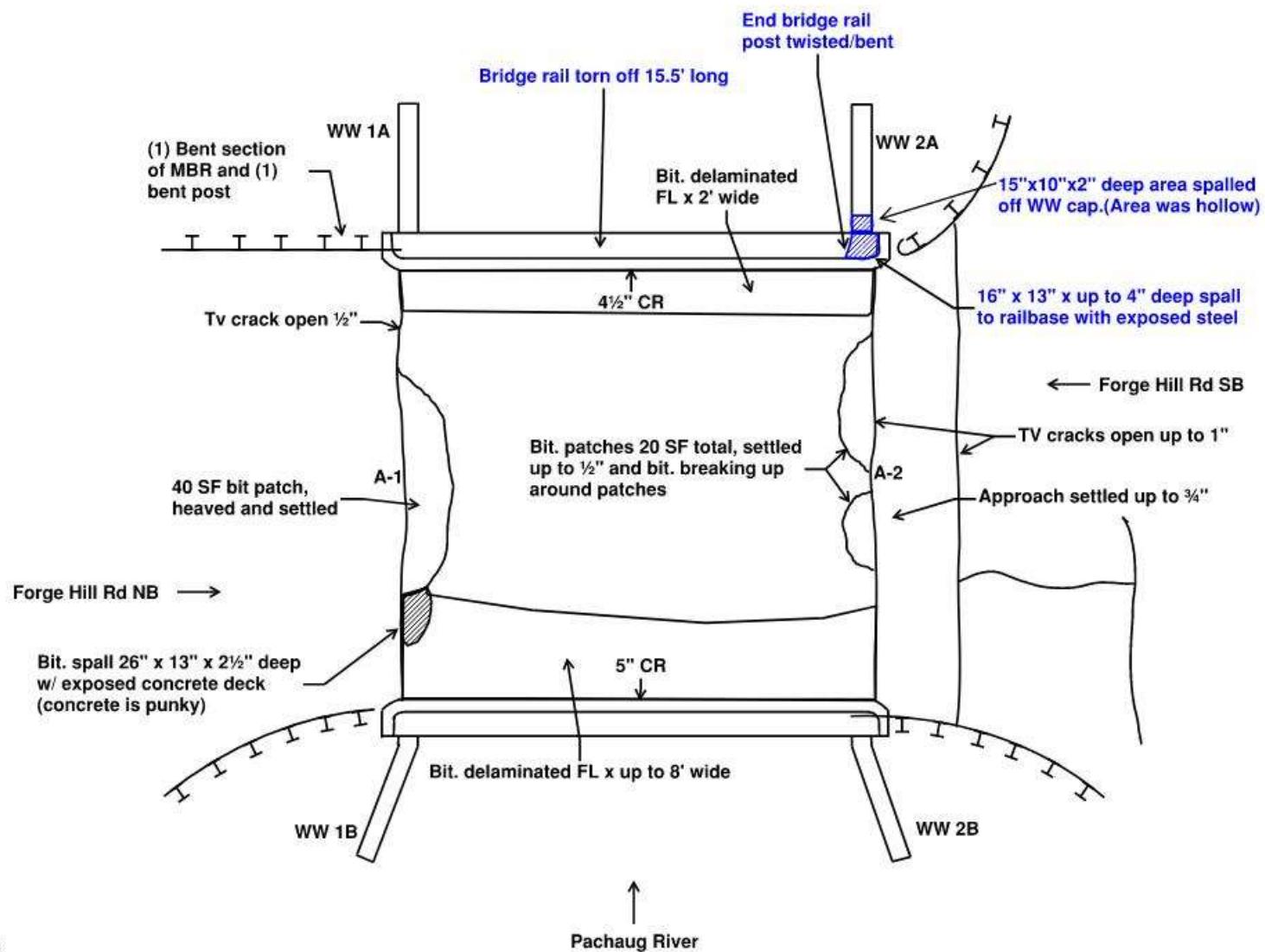
REVISION	DATE:	CREW:	REVISION	DATE:	CREW:
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Sketches**Inspection type:** Incident**Inspection Date:** 1/10/2022**Inspected by:** Team 4**:Bridge No 04805****Town:** VOLUNTOWN**Carried:** FORGE HILL ROAD**Crossed:** PACHAUG RIVER**Inventory Route:** Non-NHS

CREW:	Team 4	DATE:	08/01/2018	BRIDGE NO.:	04805
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Log Direction South to North

Top Side

LEGEND:

- HOLLOW AREA
- SHALLOW REBAR
- SPALL AREA
- SPALL AREA WITH EXPOSED REBAR
- MAPCRACKS
- HAIRLINE CRACKS
- HONEYCOMB AREA
- SCALE AREA
- EFFLORESCENCE PRESENT

N.T.S.

REVISION	DATE: 8/5/2020	CREW: Team 4	REVISION	DATE:	CREW:
REVISION	DATE: 1/10/2022	CREW: Team 4 Incident	REVISION	DATE:	CREW:

Form: Asset Photos

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Photo Number: 1

Bridge ID.

Photo Taken: 01/10/2022



Photo Number: 2

Road closed sign on Forged Hill Road at the south approach.

Photo Taken: 01/10/2022

Form: Asset Photos

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Photo Number: 3

Photo Taken: 01/10/2022

View southbound.



Photo Number: 4

Photo Taken: 01/10/2022

View northbound.

Form: Asset Photos

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Photo Number: 5

Photo Taken: 01/10/2022

Southbound railbase.



Photo Number: 6

Photo Taken: 01/10/2022

Southbound leading end, bridge rail twisted/bent and railbase spalled from collision damage.

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Photo Number: 7

Photo Taken: 01/10/2022

Inlet elevation.



Photo Number: 8

Photo Taken: 01/10/2022

Outlet elevation.