STRUCTURES INSPECTION FIELD REPORT

OTHER INSPECTION

2-DIST	B.I.N.	BR. DEPT. NO.
01	0EF	A-13-024

CITY/TOWN	8.-STRUCTURE NO.	11-Kilo. POINT	90-ROUTINE INSP. DATE	INSPECTION DATE
ASHFIELD	A13024-0EF-MUN-NBI	000.000	Mar 21, 2025	Jul 8, 2025

07-FACILITY CARRIED	MEMORIAL NAME/LOCAL NAME	27-YR BUILT	106-YR REBUILT	*YR REHAB'D (NON 106)
HWY WILLIAMSBURG		1938	0000	0000

06-FEATURES INTERSECTED	26-FUNCTIONAL CLASS	DIST. BRIDGE INSPECTION ENGINEER M. P.E. McCabe
WATER CREAMERY BROOK	Major Collector	Michael P E McCabe

43-STRUCTURE TYPE	22-OWNER	21-MAINTAINER	TEAM LEADER R. Mancari
302 : Steel Stringer/Girder	Town Agency	Town Agency	Reed Mancari

107-DECK TYPE	WEATHER	TEMP. (air)	TEAM MEMBERS
1 : Concrete Cast-in-Place	Cloudy	25°C	E. GEMINDER Eli Geminder

WEIGHT POSTING — *Not Applicable* ☐

	H	3	3S2	Single
Actual Posting	11	13	21	N
Recommended Posting	11	13	21	N

Waived Date: 00/00/0000 EJDMT Date: 00/00/0000

Signs In Place (Y=Yes,N=No, NR=Not Required) Legibility/ Visibility

At bridge E	At bridge W	Advance E	Advance W

PLANS (Y/N): Y

(V.C.R.) (Y/N): N

TAPE#: _____

RATING

Rating Report (Y/N): Y Date: 08/01/2004

Recommend for Rating or Rerating (Y/N): N

If YES please give priority: HIGH ( ) MEDIUM ( ) LOW ( )

REASON:

Inspection data at time of existing rating

I 58: 7 I 59: 7 I 60: - I 62: - Date : 00/00/0000

MEMBER(S):

	MEMBER	CRACK (Y/N):	WELD'S CONDITION (0-9)	LOCATION OF CORROSION, SECTION LOSS (%), CRACKS, COLLISION DAMAGE, STRESS CONCENTRATION, ETC.	CONDITION PREVIOUS (0-9)	CONDITION PRESENT (0-9)	INV. RATING OF MEMBER FROM RATING ANALYSIS H-20	3	3S2	Deficiencies
A	Item 60.1.a - Pedestals	N	N	See remarks in comments section.	4	2	Not Rated			S-A
B										
C										
D										
E										

List of field tests performed:

	I-58	I-59	I-60	I-61	I-62
(Overall Previous Condition)	6	4	6	6	-
(Overall Current Condition)	6	4	6	6	-

DEFICIENCY: A defect in a structure that requires corrective action.

CATEGORIES OF DEFICIENCIES:

M= Minor Deficiency - Deficiencies which are minor in nature, generally do not impact the structural integrity of the bridge and could easily be repaired. Examples include but are not limited to: Spalled concrete, Minor pot holes, Minor corrosion of steel, Minor scouring, Clogged drainage, etc.

S= Severe/Major Deficiency - Deficiencies which are more extensive in nature and need more planning and effort to repair. Examples include but are not limited to: Moderate to major deterioration in concrete, Exposed and corroded rebars, Considerable settlement, Considerable scouring or undermining, Moderate to extensive corrosion to structural steel with measurable loss of section, etc.

C-S= Critical Structural Deficiency - A deficiency in a structural element of a bridge that poses an extreme unsafe condition due to the failure or imminent failure of the element which will affect the structural integrity of the bridge.

C-H= Critical Hazard Deficiency - A deficiency in a component or element of a bridge that poses an extreme hazard or unsafe condition to the public, but does not impair the structural integrity of the bridge. Examples include but are not limited to: Loose concrete hanging down over traffic or pedestrians, A hole in a sidewalk that may cause injuries to pedestrians, Missing section of bridge railing, etc.

URGENCY OF REPAIR:

I = Immediate- [Inspector(s) immediately contact District Bridge Inspection Engineer (DBIE) to report the Deficiency and to receive further instruction from him/her].

A = ASAP- [Action/Repair should be initiated by District Maintenance Engineer or the Responsible Party (if not a State owned bridge) upon receipt of the Inspection Report].

P = Prioritize- [Shall be prioritized by District Maintenance Engineer or the Responsible Party (if not a State owned bridge) and repairs made when funds and/or manpower is available].

X=UNKNOWN N=NOT APPLICABLE H=HIDDEN/INACCESSIBLE R=REMOVED

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REMARKS

BRIDGE ORIENTATION

Williamsburg Road travels north and south. Creamery Brook flows from west to east. This single span structure consists of six steel beams, supporting a concrete deck, with an asphalt wearing surface. The beams and bays are numbered from west to east, upstream to downstream, in accordance with the 2004 Rating Report. **See Sketch 1 & Photos 1 & 2.**

GENERAL REMARKS

This inspection was performed to document the placement of roadway barriers, and to assess the condition of the bearing pedestals.

ITEM 59 - SUPERSTRUCTURE

Item 59.9 - Bearing Devices

Along the south abutment, the bearings are severely undermined, with deteriorated pedestals. Refer to Item 60.1.a - Pedestals.

ITEM 60 - SUBSTRUCTURE

Item 60.1 - Abutments

Item 60.1.a - Pedestals

At the south abutment, the pedestals are cracked and spalled, with up to 90% loss of bearing area (beam 2 bearing). **See Sketch 3 and Photos 3 – 7.**

At the north abutment, the pedestals have minor to moderate cracking, and isolated minor spalls.

Sketch / Photo Log

Sketch 1 : Framing plan.
Sketch 2 : Horizontal clearance.
Sketch 3 : Bearings 1 – 5, south abutment. From Routine & Special Member Report, dated 3/21/25.
Photo 1 : General topside, looking north.
Photo 2 : General underside, looking south.
Photo 3 : South bridge seat, with deteriorated pedestals and bearings.
Photo 4 : South abutment, beam 1 bearing.
Photo 5 : South abutment, beam 2 bearing.
Photo 6 : South abutment, beam 4 bearing.
Photo 7 : South abutment, beam 6 bearing.

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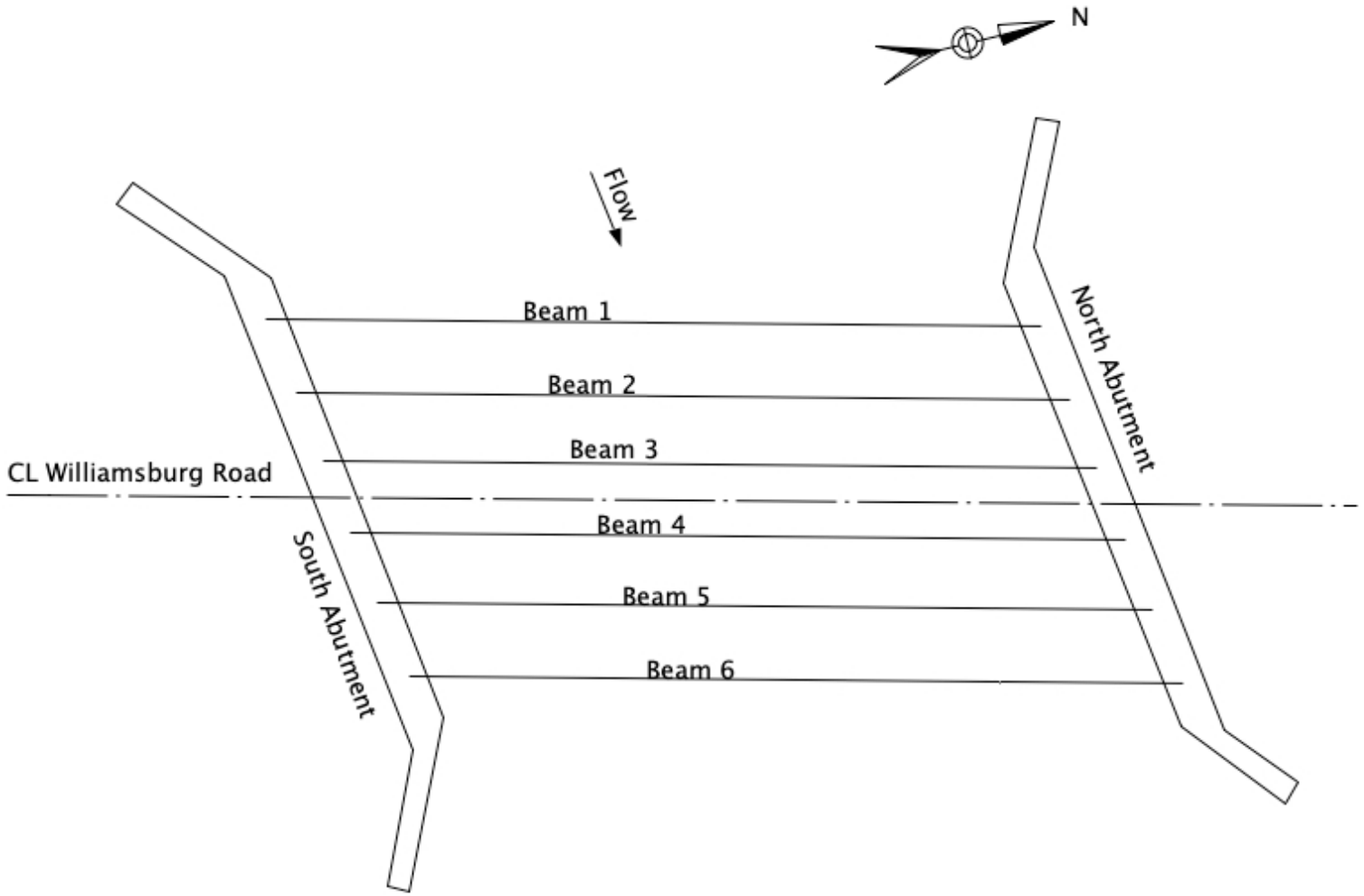
SKETCHES



Sketch 1: Framing plan.

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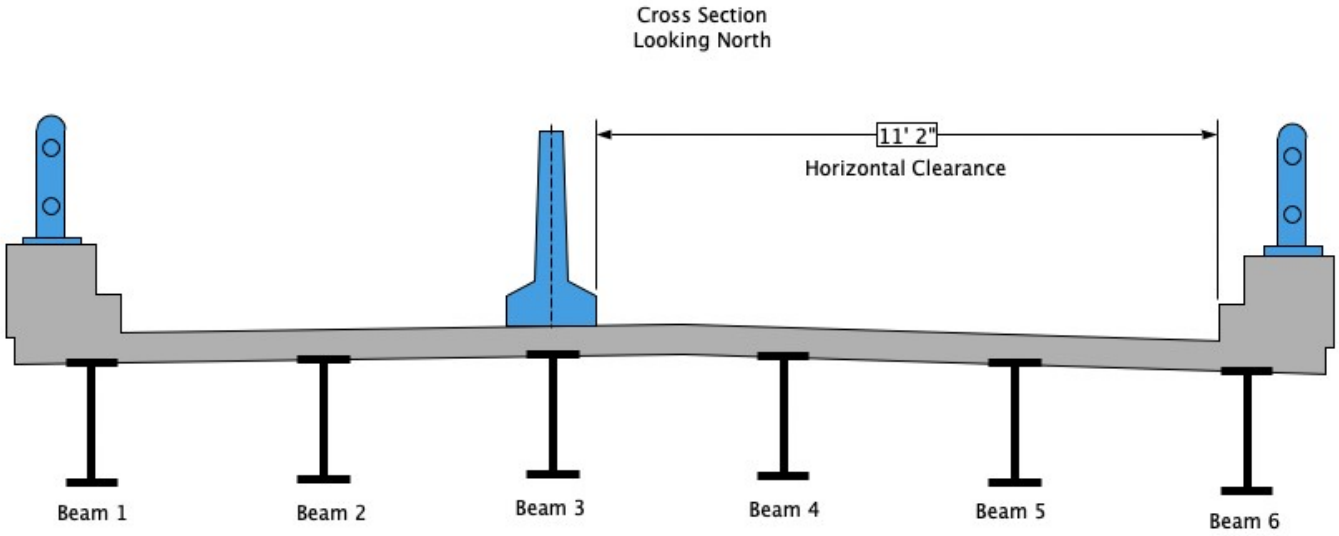

Sketch 2: Horizontal clearance.

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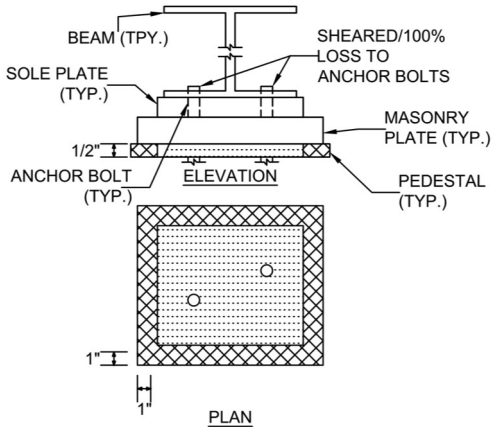
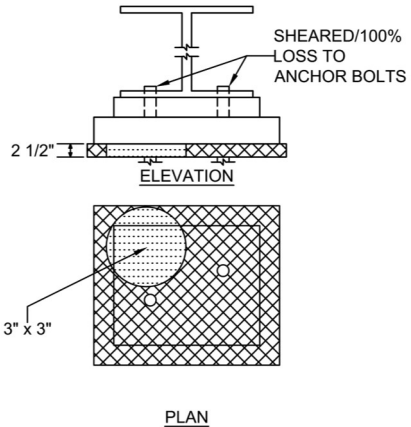
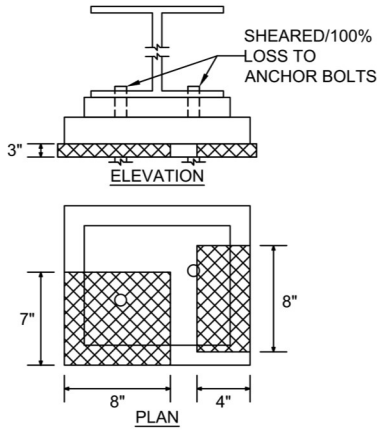


BEARING 1
SOUTH ABUTMENT (FIXED)



BEARING 2
SOUTH ABUTMENT (FIXED)

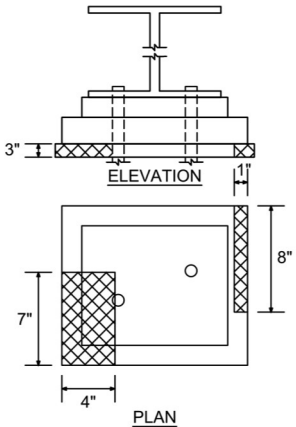


BEARING 3
SOUTH ABUTMENT (FIXED)

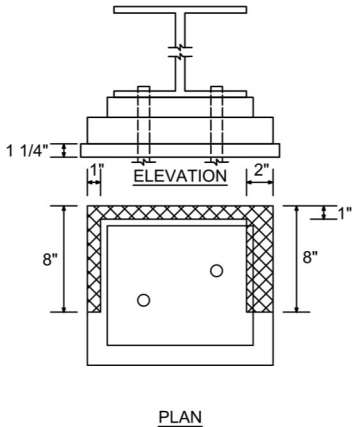
BEARINGS WITH BEARING AREA LOSS

AS-BUILT PER 1938 PLANS
SOLE PLT: 9" x 1½" x 11", WELDED TO BEAM
MASONRY PLT: 12" x 2" x 1'-2"
⅞" ANCHOR BOLTS, 2'-4" L
4" HOOK

LEGEND:
- Spall
- Punky Concrete
- △1 Indicates a change in condition from previous inspection
- △2 Indicates a new condition not previously noted



BEARING 4
SOUTH ABUTMENT (FIXED)



BEARING 5
SOUTH ABUTMENT (FIXED)

Sketch 3: Bearings 1 – 5, south abutment. From Routine & Special Member Report, dated 3/21/25.

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PHOTOS

Photo 1: **General topside, looking north.**

Photo 2: **General underside, looking south.**

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PHOTOS

Photo 3: South bridge seat, with deteriorated pedestals and bearings.

Photo 4: South abutment, beam 1 bearing.

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PHOTOS

Photo 5: South abutment, beam 2 bearing.

Photo 6: South abutment, beam 4 bearing.

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PHOTOS

Photo 7: South abutment, beam 6 bearing.