

HISTORIC BRIDGE INVENTORY & EVALUATION

Date: 11/17/1980

Municipality KINGSTON S.H. _____ N.S.H. X

Street Name & Route # Grove Street

Over Conrail

Street Name & Route # NA

Bridge No. K-1-7 Bridge Key # 900-722-101 Dist. 7

CRITERIA FOR DETERMINATION OF HISTORIC SIGNIFICANCE

I. Builders Contribution

Quantity

Unknown _____ Several _____ Many X
(1-10) (10 or more)

Name of Builder: Penn. Central R.R.

Designer: UNK

Plaque: Yes _____ No. X

AGE: Pre 1850 _____ 1850-1900 X 1900-1930 _____
(1886)

TECHNICAL

Bridge Type Simple span - Deck plate girder

Bridge Width 25.8'

Total Length of Bridge 35.0'

Number of Spans: ONE Span Lengths 28.0'

Patented: Yes _____ No _____ Unknown X

Load Carrying Capacity: Adequate X Inadequate _____

Configuration: Unique _____ Unusual _____ Common X

Types of Materials: Steel, wood, mortared granite abutments
asphalt wearing surface

List Special Features and Modifications: NONE

IV. ENVIRONMENTAL

Aesthetics: Unusual _____ Good _____ Common X
Site Integrity: Retained X Violated _____
History of Bridge and Area: See separate sheet included in this file

IVa. LOCAL HISTORIC COMMISSION Date Written: March 27, 1980
Response: _____ No Response: X

V. ECONOMICS

Owner: Municipal _____ County X State _____ Federal _____
R.R. _____

What is your recommendation?
Maintenance X Replacement _____ Rehabilitation _____
Are materials available for Rehabilitation: Yes X No _____
Is structure scheduled for replacement? Yes _____ No X

VI. PHOTOS - INDICATE SHOTS TAKEN

- 1. Setting
- 2. Builders Plaque
- 3. 3/4 View
- (4) Thru View North & South
- 5. Under View
- (6.) Elevation East & West
- 7. Joint & Connections
- 8. Machinery
- 9. Decorative Features

VII. COMMENTS & CONCLUSIONS

- 1. In your judgement, does this bridge have historic value? Yes ___ No X
- 2. Please explain your answer to #1
The bridge is of a common type and plays no significant part in the history of the area.

Preparer: Richard A. Corsano
Title: Asst. Env. Eng. District 7, MDPW
Date of Survey: Nov. 17, 1980

STRUCTURE INVENTORY AND APPRAISAL

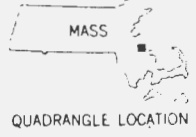
BRIDGE NO. K-1-7 BRIDGE MNT. NO. 900-722-101 PAGE 1

IDENTIFICATION		CODE	ITEM NO.	CARD CONTROL NUMBER	CARD COL.
1	State Mass.				
2	Highway District 7				
3	County Plymouth 4 City/Town KINGSTON				
5	Inventory Route Grove Street Principal <input checked="" type="checkbox"/> Other <input type="checkbox"/>				
6	Features Intersected Grove St. & Penn Central R.R.				
7	Facility Carried by Structure Grove St.				
8	Structure No. 900-722-101 1 of 1				
9	Location 1.6 miles west of junction of Grove St. & SR 27				
10	Inventory Rte. Min. Vert. Clr. = Unlimited				
11	Milepoint N/A				
12	Road Section No. N/A				
13	Defense Bridge Letter N/A				
14	Defense Milepoint N/A				
15	Defense Section Length N/A				
16	Latitude N/A				
17	Longitude N/A				
18	Physical Vulnerability N/A				
19	Bypass Detour Length 4 miles				
20	Toll Bridge On Toll Road <input type="checkbox"/> On Free Road <input checked="" type="checkbox"/>				
21	Custodian State Hwy. Dept.				
22	Owner State Hwy. Dept.				
23	F.A.P. No. N/A				
CLASSIFICATION		BY	DATE		
24	Fed Aid System	Transfer of Data J. Shutt	4/10/73		
		Maintenance Inspection Chighisola	3/20/73		
25	Administrative	Condition Analysis Chighisola	3/21/73		
		Appraisal Chighisola	3/21/73		
26	Functional	Cost Estimate			
		General Review			
43. Steel Girder & Floorbeam System					
STRUCTURAL DATA		CODE			
27	Year Built 1886	43 Structure Type - Main			
28	Lanes on Str. 2 Under 0	44 Approach N/A			
29	ADT on Str. NC 30 Year	45 No. of Spans - Main 1			
31	Design Load See Remarks ^(code)	46 Approach N/A			
32	Appr. Rdwy Width w/Shld 27'	47 Total Horiz. Clr. 23.0			
33	Br Median <input checked="" type="checkbox"/> None <input type="checkbox"/> Open <input type="checkbox"/> Closed	48 Max. Span Length 28.0 ft.			
34	Skew 0°	49 Structure Length 35 ft.			
35	Structure Flared <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	50 Sidewalk Rt. 0.0 ft. Lt. 0.0 ft.			
36		51 Br. Roadway (curb-curb) 24.3 ft.			
37		52 Deck Width (out-out) 25.8 ft.			
38	Navigation Control <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	53 Vert. Clearance over Deck unlim. ft.			
39	Vertical N/A ft.	54 Under Clearance - Vertical 17'-8" ft.			
40	Horizontal N/A ft.	55 Lateral - Right 7.9 ft.			
41		56 Left N/A ft.			
42	Type Service H/RR ^(code)	57 Wearing Surface Asphalt			

KINGSTON

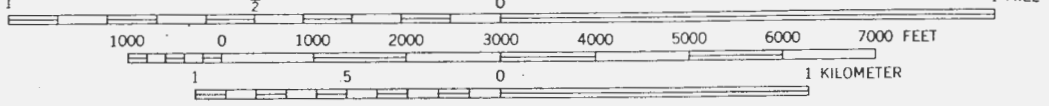
K-1-7

Grove St./Conrail
(Shown by Arrow)

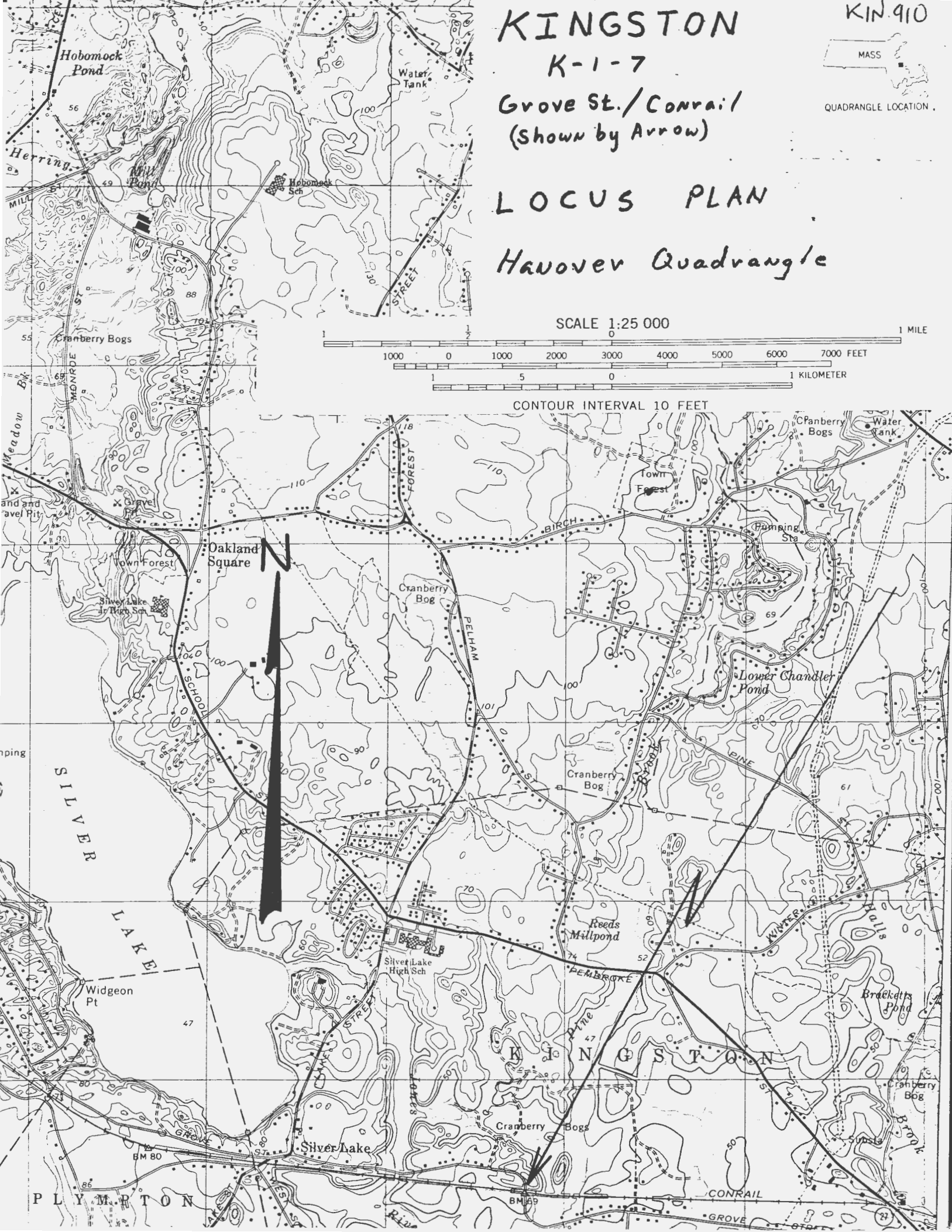


LOCUS PLAN Hanover Quadrangle

SCALE 1:25 000



CONTOUR INTERVAL 10 FEET



PLYMOUTH

KINGSTON

CONRAIL

GROVE STREET



ELEVATION LOOKING EAST



ELEVATION LOOKING WEST



THRU VIEW LOOKING SOUTH



THRU VIEW LOOKING NORTH

(11-13-1980)

DETERMINATION OF ELIGIBILITY (MHC OPINION)

DPW letter
2/20/81

KIN.910

TO: VAL

RETURN TO REVIEWER BY _____
(DATE)

FROM: MS

DATE: 2/13/81

TOWN: KINGSTON

PROPERTY: K-1-7 Grave St. over CONRAIL
(NAME AND ADDRESS)

1. Does this property meet the criteria for NR eligibility?

YES

NO



THIS STRUCTURE, WHILE NOT REQUIRING PRESERVATION, NEVERTHELESS HAS NOTEWORTHY FEATURES WHICH SHOULD BE DOCUMENTED BEFORE IT IS DEMOLISHED.

A. Criteria

- a. events
- b. lives
- c. characteristics
- d. information

B. Local _____ State _____ National _____

2. Statement of Significance: OR Why not eligible?

Plate Girder span over RR (1886). Though early, typical of period and still relatively common.

DOE LETTER WRITTEN

FILED IN ER FILE _____

(DATE)