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Section 1 **Executive Summary**

To achieve Norway's goal of a well-conceived action plan to build robust resilience to the effects of climate change in our community, and help Maine meet its climate goals as spelled out in "Maine Won't Wait," the Town of Norway applied for and was awarded a \$50,000 grant from the Governor's Office of Policy Innovation and the Future. The grant was approved on May 9, 2022.

This funding is a significant catalyst to move the town of Norway's climate resilience ambitions decisively forward, and inform our current work on a Comprehensive Plan update.

The grant goals are to complete 3 tasks:

Task 1: Establish or recognize an official committee of community stakeholders.

- Approved by the Norway Selectboard – February 28, 2023.

Task 2: Conduct a community vulnerability assessment that identifies climate risks and vulnerable populations and includes a review of existing plans and policies. Adopt a climate resilience plan that describes high priority strategies for reducing risk and vulnerabilities.

- The Town has an agreement with the Center for an Ecology-Based Economy, (CEBE) located in Downtown Norway for this Task.
- CEBE will be providing the Town of Norway with this assessment.

Task 3: Conduct a vulnerability assessment for critical community infrastructure that includes:

- 1) The climate hazards to which infrastructure assets are exposed and how the intensity and likelihood will change over time.
- 2) The susceptibility to damage or failure given location, design, age, condition, and state of repair.
- 3) The consequences that impairment or failure of the infrastructure will have on the community.

Summary:

- The Town has an agreement with Rob Prue, President of Pine Tree Engineering to conduct the study. Rob has provided engineering services to the Town of Norway for the past 20 years and is very familiar with the Town's infrastructure assets.
- This Report is for Task 3.
- At risk Stream Crossings and Dams were inspected in the fall of 2022 by Rob Prue and Highway Foreman, Steve Powers.
- During the spring and summer months of 2023 the Western Maine region of Maine experience major rain storms and flooding.
- The Town dams did not suffer any damage and functioned as designed.
- At risk culverts at the stream crossings did experience significant overflow issues and did not function as originally designed.
- We have identified seven (7) at risk stream crossings that are priorities for future replacement.
- Except for the Crockett Ridge Road Bridge, the Town's and MaineDOT bridges are in good

Section 2 **Stream Crossings at Risk**

Top Needs:

- Replacement of Stream Crossing on Greenwood Road - Old State Section. (\$250,000)
- Replacement of Stream Crossing on Greenwood Road at Morse Road. (\$250,000)
- Replacement of Stream Crossing on Round the Pond Road near Greenwood Road intersection. (\$250,000)
- Replacement of Stream Crossing on Round the Pond Road – near Morse Road and Greenwood Road intersection. (\$250,000)

Photographs of the above stream crossings are shown on the following pages. Appendix D contains photographs of the other 14 stream crossings assessed as part of this report. Appendix E contains a spreadsheet with the complete list of stream crossings with information regarding type, size, condition, and top priority ranking for replacement.

Greenwood Road Stream Crossing (Old State Section)



Greenwood Road Stream Crossing (At Morse Road)



Round the Pond Road Stream Crossing (At Greenwood Road Intersection)



Round the Pond Road Stream Crossing (Near Morse Road/Greenwood Road Intersection)



Emerson Road Stream Crossing



Pleasant Street Stream Crossing



Sodom Road Stream Crossing



Section 3 **Dams**

1. Cummings Mill Dam
 - a) Current Issues – Minor brush and logs to be removed.
 - b) Action Plan – Remove trees and vegetation. Determine ownership.
2. Hobbs Pond Dam
 - a) Current Issues – None noted.
 - b) Action Plan – No work needed.
3. North Pond Dam
 - a) Current Issues – Minor brush and logs to be removed .
 - b) Action Plan – Minor maintenance.
4. Pennesseewassee Lake Dam
 - a) Current Issues – Manual lake level controls.
 - b) Action Plan –Research electronic lake level control system.
5. Sand Pond Dam
 - a) Current Issues – None noted.
 - b) Action Plan – No work needed.
6. KEI Hydro Dam (Privately owned)
 - a) Current Issues – Need updated agreement with the Town of Norway.
 - b) Action Plan -Interim Town Manager and Highway Foreman meeting with KEI staff.

Photographs of the above dams are shown on the following pages.

The Town's Emergency Action Plan for the Norway Lake Dam (Pennesseewassee Lake) is contained in Appendix C. This dam is critical to the Town to maintain lake levels and prevent flooding to the downtown area downstream of the dam. Downstream flooding is also a concern for the public water supply and sanitary sewer systems serving the Town's residents and businesses.

Appendix E contains a spreadsheet which lists the dams with information regarding the type of control, condition, and maintenance issues.

Cummings Mill Dam



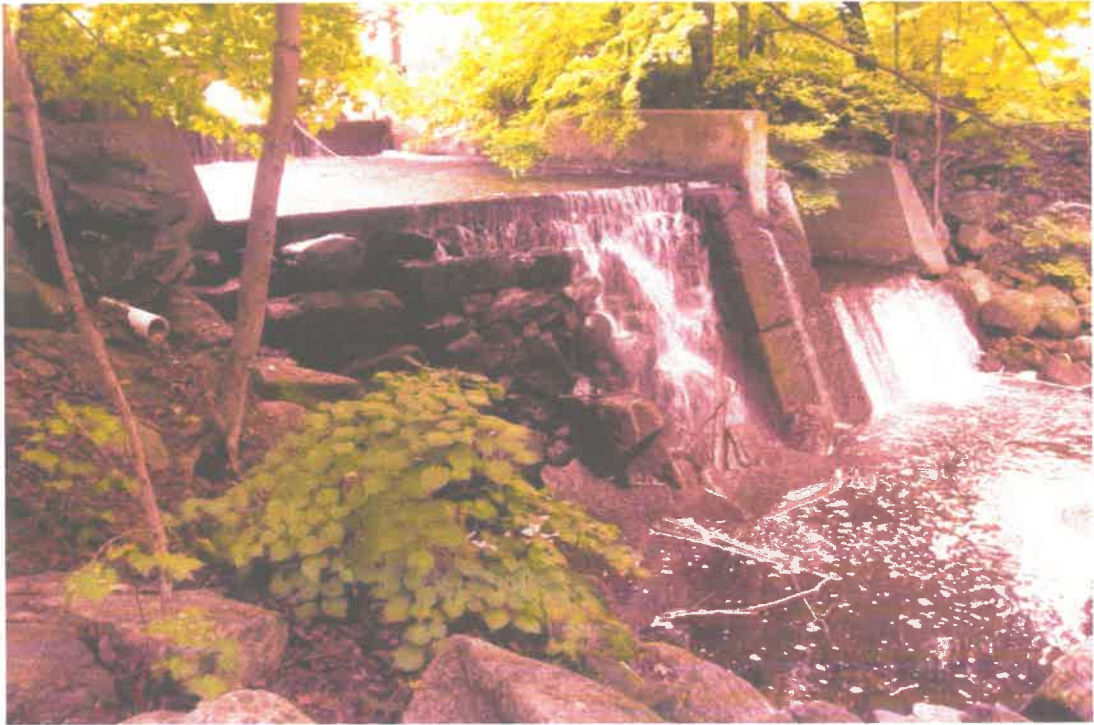
Hobbs Pond Dam



North Pond Dam



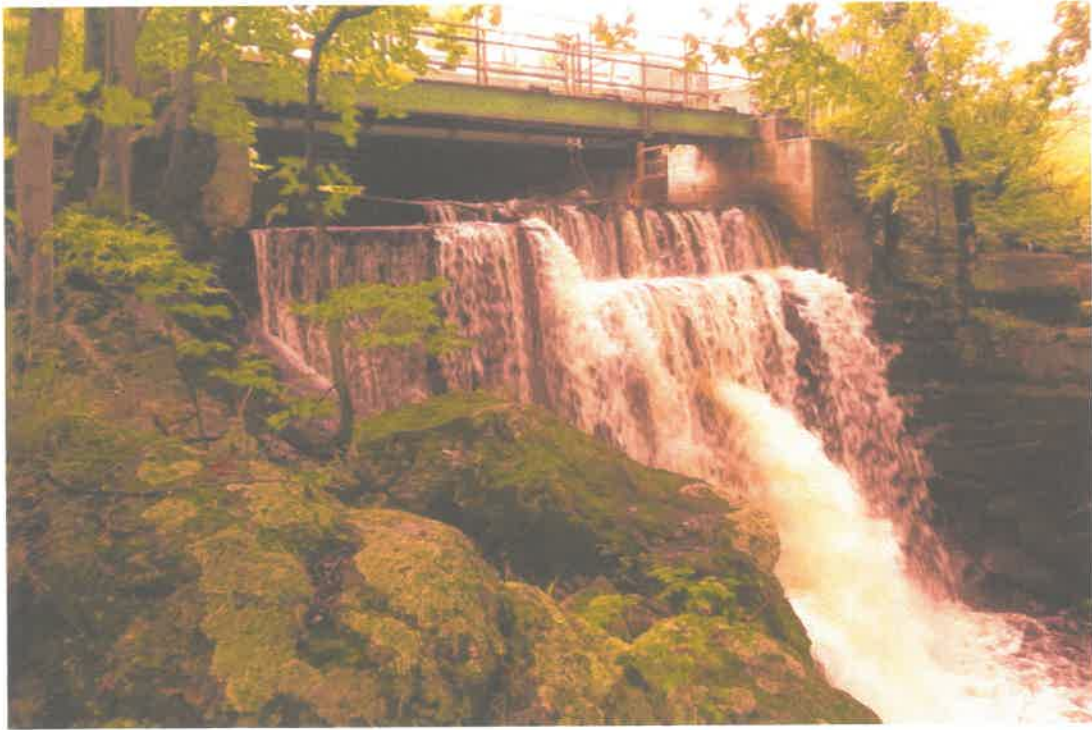
Pennesseewassee Lake Dam



Sand Pond Dam



KEI Hydro Dam (Privately Owned)



Section 4 **Bridges**

The Maine Department of Transportation (MaineDOT) inspects Public Bridge Structures every two years. A bridge structure is defined as having a span of 10 feet or greater. These bridges are owned and maintained by the local municipality or MaineDOT, depending on the structure size or the roadway where the bridge is located.

There are 14 Public Bridge Structures within the Town of Norway. These are listed in Appendix D. Only four of these bridges are owned and maintained by the Town.

These are:

1. Crockett Ridge Road (at Pennesseewassee Lake)
2. Beal Street
3. Lynn Street
4. Morse Road (French)

The Crockett Ridge Road bridge was posted for maximum loads of 22 tons in August 2023 due to the deterioration (see letter in Appendix A). This is now a top priority for the Town to replace and upgrade this structure. This roadway serves a large area in town, thus, the road posting will affect access for heavy vehicles. This now creates a long detour for heavy vehicles using Pleasant Street. A detailed bridge inspection report is also contained in Appendix A.

The other bridges are in fair to good condition and only require minor maintenance. The complete bridge inspection report for all of the bridges in the Town of Norway is contained in Appendix B.

Appendix E contains a spreadsheet summarizing the list of bridges including name, number, length, ownership, last inspection date, etc.

Section 5
Town Roads

Town of Norway Roads (Including Town Roads that Dead End):

(ALL DIRECTIONS BEGIN AT THE NORWAY TOWN OFFICE/FIRE STATION -Beal Street side)

Town Roads: **Maintained by Norway Highway Department**
State Roads: **Maintained by MaineDOT**

ALCOTT STREET - RUNS FROM BROWN STREET TO GROVE STREET
TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO WINTER STREET, ACROSS PARIS STREET, RIGHT ONTO FAIR STREET, LEFT ONTO GROVE STREET, LEFT ONTO ALCOTT STREET

ALDRICH AVENUE- RUNS FROM ALPINE STREET (**DEAD END**)
TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, LEFT ONTO TUCKER STREET, LEFT ONTO ALPINE STREET, FIRST LEFT AFTER RAILROAD TRACKS ONTO ALDRICH AVENUE

ALPINE STREET - RUNS FROM INTERSECTION BY HIGH SCHOOL TO PARIS TOWN LINE
TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, LEFT ONTO PARIS STREET, LEFT ONTO ALPINE STREET AT TRAFFIC LIGHT

ASHTON ROAD - RUNS FROM WATERFORD ROAD (BY LAKE STORE) TO SODOM ROAD
TOWN ROAD

DIRECTIONS: RIGHT ONTO MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, LEFT JUST AFTER LAKE STORE ONTO ASHTON ROAD

BARTLETT STREET - FIRST LEFT OFF MAIN STREET FROM OXFORD TOWN LINE
TOWN ROAD

DIRECTIONS: LEFT ONTO MAIN STREET, TOWARDS OXFORD TOWN LINE, LAST RIGHT ONTO BARTLETT STREET

BEAL STREET - RUNS FROM COTTAGE STREET TO PARIS STREET
TOWN ROAD

DIRECTIONS: FIRE STATION ONTO BEAL STREET, LEFT OR RIGHT

BILL HOWE ROAD - FIRST LEFT OFF SHEDD ROAD (**DEAD END**)
TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO SHEDD ROAD, FIRST LEFT ONTO BILL HOWE ROAD

BOLSTERS PLACE - LEFT OFF BEAL STREET (**DEAD END**)
TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, FIFTH LEFT ONTO BOLSTERS PLACE

BRACKETT ROAD - RIGHT OFF OLD STAGE ROAD (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, LEFT ONTO HARRISON ROAD, FIRST LEFT ONTO OLD STAGE ROAD, RIGHT ONTO BRACKETT ROAD

BROWN STREET - SECOND RIGHT OFF FAIR STREET (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO PARIS STREET, LEFT ONTO GREEN STREET, RIGHT ONTO FAIR STREET, LEFT ONTO BROWN STREET

BUTTERS ROAD - FIRST RIGHT OFF PARSONS INSIDE FROST HOMESTEAD

TOWN ROAD

DIRECTIONS: RIGHT ONTO MAIN ST LEFT ONTO PIKES HILL, SECOND LEFT ONTO PARSONS DRIVE, FIRST RIGHT ONTO BUTTERS DRIVE.

CAMP CINNAMON ROAD - RIGHT OFF BILL HOWE ROAD (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO SHEDD ROAD, LEFT ONTO BILL HOWE ROAD, FIRST RIGHT ONTO CAMP CINNAMON ROAD

CARTER STREET - RIGHT OFF ELM STREET TO (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO LYNN STREET, ACROSS MAIN STREET TO GREENLEAF AVENUE, LEFT ONTO ELM STREET, FIRST RIGHT ONTO CARTER STREET

COBB ROAD - SHORT SECTION BETWEEN ASHTON & COUNTRY CLUB

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO LAKE ROAD, TO WATERFORD ROAD, LEFT AFTER LAKE STORE TO ASHTON ROAD, RIGHT ONTO COBB ROAD

COTTAGE STREET - RUNS FROM MAIN STREET TO PARIS TOWN LINE

TOWN ROAD

DIRECTIONS: LEFT ONTO BEAL STREET, LEFT OR RIGHT ONTO COTTAGE STREET

COUNTRY CLUB ROAD - WATERFORD ROAD TO HARRISON ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO LAKE ROAD, TO WATERFORD ROAD, LEFT ONTO COUNTRY CLUB ROAD

CRESCENT STREET - BETWEEN WHITMAN STREET AND PLEASANT STREET

TOWN ROAD

DIRECTIONS: LEFT ONTO BEAL STREET, ACROSS COTTAGE STREET ONTO PEARL STREET, LEFT ONTO WHITMAN STREET, RIGHT ONTO CRESCENT STREET, OR; RIGHT ON MAIN STREET, LEFT ON PLEASANT STREET, FIRST RIGHT ONTO CRESCENT STREET

CROCKETT RIDGE ROAD - FROM LAKE ROAD TO (DEAD END) IN MILLETTVILLE

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO LAKE ROAD, RIGHT ONTO CROCKETT RIDGE

CUMMINGS PLACE- FIRST RIGHT OFF WHITMAN STREET

TOWN ROAD

DIRECTIONS: LEFT ON BEAL STREET, ACROSS COTTAGE STREET TO PEARL STREET, LEFT ONTO WHITMAN STREET, LEFT ONTO CUMMINGS PLACE

CUSHMAN WOODS DRIVE - THIRD LEFT OFF OF THE SODOM ROAD (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ONTO MAIN STREET TO LAKE ROAD, LEFT ONTO HARRISON ROAD, LEFT ONTO SODOM ROAD, THIRD LEFT ONTO CUSHMAN WOODS DRIVE.

DAMON ROAD - DISCONTINUED

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO LAKE ROAD, TO WATERFORD ROAD, LEFT ON HILL BEFORE HOBBS POND ONTO DAMON ROAD

DANFORTH STREET - BETWEEN MAIN STREET AND BEAL STREET

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL ST., LEFT ONTO DANFORTH STREET

DANIELS ROAD - FIRST RIGHT OFF THOMAS HILL ROAD. (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO LAKE ROAD, LEFT ONTO HARRISON ROAD, RIGHT ONTO THOMAS HILL ROAD (FORMERLY BACKSIDE OF FROST HILL ROAD), FIRST RIGHT ONTO DANIELS ROAD

DEAN AVENUE - MAIN STREET BY BRIDGE AT AUBUCHON'S TO **DEAD END**.

TOWN ROAD

DIRECTIONS: LEFT ON MAIN STREET, PAST THE BRIDGE BY AUBUCHON HARDWARE, LEFT ONTO DEAN AVENUE

DEERING STREET - MAIN STREET

TOWN ROAD

DIRECTIONS: LEFT ONTO BEAL STREET, ACROSS COTTAGE STREET ONTO PEARL STREET, LEFT OR RIGHT ONTO DEERING STREET; OR, THIRD RIGHT ON MAIN STREET FROM LYNN STREET

DON HUNT ROAD - LEFT OFF GREENWOOD ROAD TO MORSE ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO GREENWOOD ROAD, THIRD LEFT ONTO DON HUNT ROAD

DUNN ROAD - FROM INTERSECTION OF MORSE-WILEY-FRENCH ROADS TO ALBANY TOWN LINE

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO WILEY ROAD, ONTO DUNN ROAD AT INTERSECTION WITH FRENCH ROAD AND MORSE ROAD; OR, FROM WATERFORD ROAD - RIGHT ONTO GREENWOOD ROAD, LEFT ONTO MORSE ROAD, AND RIGHT ONTO DUNN ROAD AT INTERSECTION WITH WILEY ROAD AND FRENCH ROAD

EDDIE KAHKONEN ROAD - LEFT OFF PIKES HILL ROAD TO OXFORD TOWN LINE

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO ADVERTISER-DEMOCRAT, LEFT ONTO PIKES HILL ROAD, LEFT AT INTERSECTION ONTO EDDIE KAHKONEN ROAD

EDGEWOOD STREET - FIRST LEFT OFF PLEASANT STREET (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO PLEASANT ST., FIRST LEFT ONTO EDGEWOOD ST

ELM STREET - BETWEEN GREENLEAF AVENUE AND HORNE STREET

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ONTO LYNN STREET, ACROSS MAIN STREET TO GREENLEAF AVE., LEFT ONTO ELM STREET

EMERSON ROAD - FOURTH RIGHT OFF PLEASANT STREET (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO PLEASANT STREET, FOURTH RIGHT ONTO EMERSON ROAD

FAIR STREET - MAIN STREET TO PARIS STREET

WINTER MAINTENANCE TOWN; SUMMER MAINTENANCE STATE

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO WINTER STREET, ACROSS PARIS STREET, LEFT OR RIGHT AT END OF WINTER STREET ONTO FAIR STREET

FERN STREET - BETWEEN BEAL STREET AND PINE STREET

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, THIRD LEFT ONTO FERN STREET

FRENCH ROAD - LEFT AT INTERSECTION OF WILEY, MORSE AND DUNN ROADS (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO WILEY ROAD, LEFT ONTO FRENCH ROAD AT INTERSECTION WITH MORSE ROAD; OR, FROM WATERFORD ROAD., RIGHT ONTO GREENWOOD ROAD, LEFT ONTO MORSE ROAD, STRAIGHT ONTO FRENCH ROAD AT INTERSECTION OF WILEY ROAD

FROST HILL ROAD- FOURTH LEFT OFF SODOM ROAD (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, LEFT ONTO HARRISON ROAD, RIGHT ONTO SODOM ROAD, THIRD LEFT ONTO FROST HILL ROAD

GOODWIN ROAD - SECOND LEFT OFF PARSONS ROAD

TOWN ROAD

DIRECTIONS: RIGHT ONTO MAIN STREET, LEFT ONTO PIKES HILL, SECOND LEFT ONTO PARSONS ROAD, SECOND LEFT ONTO GOODWIN ROAD

GORE ROAD - HARRISON ROAD TO OTISFIELD TOWN LINE

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, LEFT ONTO HARRISON ROAD, SECOND LEFT ONTO GORE ROAD

GREEN STREET - BETWEEN PARIS STREET AND FAIR STREET

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO PARIS STREET, LEFT ONTO GREEN STREET

GREENLEAF AVENUE - BETWEEN MAIN STREET AND ORCHARD STREET

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO LYNN STREET, ACROSS MAIN STREET TO GREENLEAF AVENUE

GREENWOOD ROAD - RIGHT OFF WATERFORD ROAD TO GREENWOOD TOWN LINE

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO GREENWOOD ROAD

GROVE STREET - RIGHT OFF FAIR STREET (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO WINTER ST., ACROSS PARIS ST., RIGHT AT FAIR ST., LEFT ONTO GROVE STREET

HARRISON ROAD - (Rte. 117) LAKE ROAD TO OTISFIELD TOWN LINE

STATE ROAD

DIRECTIONS: RIGHT ON MAIN ST., TO LAKE RD., LEFT ONTO HARRISON ROAD

HARRY BELL ROAD - FIRST RIGHT OFF EMERSON ROAD (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO PLEASANT STREET, FOURTH RIGHT ONTO EMERSON ROAD, FIRST RIGHT ONTO HARRY BELL ROAD

HAYDEN AVENUE - THIRD RIGHT OFF PLEASANT STREET CONTINUES TO MICHAEL DRIVE (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, RIGHT ON PLEASANT, THIRD RIGHT ON HAYDEN AVENUE

HAYES ROAD - RIGHT NEAR THE END OF PATCH MOUNTAIN ROAD TO GREENWOOD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO GREENWOOD ROAD, LEFT ONTO MORSE ROAD, RIGHT ONTO PATCH MOUNTAIN ROAD, RIGHT ONTO HAYES ROAD

HAZEN STREET - BETWEEN BEAL STREET AND PINE STREET

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, FOURTH LEFT ONTO HAZEN STREET

HEMINGWAY ROAD - SECOND LEFT OFF YAGGER ROAD TO (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, LEFT ONTO YAGGER ROAD, SECOND LEFT ONTO HEMINGWAY ROAD

HIGH RIDGE ROAD - FORTH RIGHT OFF OF SODOM ROAD (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ONTO MAIN STREET THEN ONTO LAKE ROAD, LEFT ONTO HARRISON ROAD, RIGHT ONTO SODOM ROAD, FORTH RIGHT ONTO HIGH RIDGE ROAD

HOLT ROAD - LEFT OFF WILEY ROAD (LOOPS BACK ONTO WILEY ROAD)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO WILEY ROAD, LEFT ONTO HOLT ROAD

HORNE STREET - BETWEEN MAIN STREET AND ELM STREET

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO LYNN STREET, LEFT ONTO MAIN STREET, RIGHT ONTO HORNE STREET

HUNTINGTON AVENUE - LEFT OFF MARION AVENUE (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO WINTER STREET, ACROSS PARIS STREET, RIGHT ONTO FAIR STREET, TO MAIN STREET, RIGHT ONTO MARION AVENUE, LEFT ONTO HUNTINGTON AVENUE

HUTCHINS STREET- SECOND LEFT ON PLEASANT STREET (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, RIGHT ON PLEASANT STREET, SECOND LEFT ONTO HUTCHINS STREET

KAL SHORES ROAD - THIRD LEFT OFF CROCKETT RIDGE ROAD (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, RIGHT ONTO CROCKETT RIDGE ROAD, THIRD LEFT ONTO KAL SHORES ROAD

KING STREET - FORMERLY SHORT END OF DANFORTH STREET (DEAD END)

TOWN ROAD

DIRECTIONS: LEFT ONTO BEAL STREET, LEFT ONTO DANFORTH STREET, ACROSS MAIN STREET ONTO KING STREET

KORHONEN ROAD - FOURTH RIGHT AFTER HEYWOOD CLUB ON CROCKETT RIDGE ROAD (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, RIGHT ONTO CROCKETT RIDGE RD., FOURTH RIGHT ONTO KORHONEN ROAD

LAKE ROAD - RUNS BETWEEN THE BRIDGE AT THE HEAD OF MAIN STREET TO THE HARRISON ROAD

TOWN MAINTAINED AS FAR AS CROCKETT RIDGE ROAD, THEN STATE

LARSON ROAD - FIRST RIGHT OFF ROUND THE POND ROAD FROM CROCKETT RIDGE ROAD (DEAD END)

PARTIAL TOWN MAINTENANCE

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, RIGHT ONTO CROCKETT RIDGE ROAD, LEFT ONTO ROUND THE POND ROAD, FIRST RIGHT ONTO LARSON ROAD

LEE STREET - SECOND LEFT OFF CARTER STREET (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON LYNN STREET, ACROSS MAIN STREET TO GREENLEAF AVENUE, LEFT ON ELM STREET, RIGHT ON CARTER STREET, SECOND LEFT ONTO LEE STREET

LOVEJOY PLACE - FIRST LEFT OFF BEAL STREET FROM COTTAGE STREET

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, FIRST LEFT ONTO LOVEJOY PLACE

LYMAN HERRICK ROAD - SECOND LEFT OFF SHEDD ROAD (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO SHEDD ROAD, SECOND LEFT ONTO LYMAN HERRICK ROAD

LYNN STREET - BETWEEN MAIN STREET AND BEAL STREET

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO LYNN STREET

**MAIN STREET - STARTS AT OXFORD TOWN LINE, GOES TO THE BRIDGE BY THE DAM
WINTER MAINTENANCE TOWN; SUMMER MAINTENANCE STATE**

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON LYNN STREET, LEFT OR RIGHT ON MAIN STREET

MAPLE STREET - RUNS BETWEEN PLEASANT STREET AND WHITMAN STREET

TOWN ROAD

DIRECTIONS: LEFT ON BEAL STREET, ACROSS COTTAGE STREET TO PEARL STREET, LEFT ON WHITMAN STREET, RIGHT ONTO MAPLE STREET

MARION AVENUE - THIRD LEFT ON MAIN STREET FROM OXFORD TOWN LINE

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON WINTER STREET, ACROSS PARIS STREET, RIGHT ON FAIR STREET TO MAIN STREET, SECOND RIGHT ONTO MARION AVENUE

MARITA DRIVE - FIRST LEFT OFF CUSHMAN WOODS DRIVE (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, ONTO LAKE ROAD, LEFT ONTO HARRISON ROAD, RIGHT ONTO SODOM ROAD, SECOND LEFT ONTO CUSHMAN WOODS DRIVE, FIRST LEFT ONTO MARITA DRIVE

MARSTON STREET- FROM MAIN STREET, ACROSS BEAL STREET, TO PINE STREET

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, SECOND LEFT OR RIGHT ONTO MARSTON STREET

McINTIRE ROAD - THIRD LEFT OFF SHEDD ROAD

SUMMER MAINTENANCE ONLY

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE RD., TO WATERFORD ROAD, RIGHT ONTO SHEDD RD., THIRD LEFT ONTO McIntire ROAD

McKAY ROAD - LEFT OFF HOLT ROAD (DEAD END)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO WILEY ROAD, LEFT ONTO HOLT ROAD, LEFT ONTO McKAY ROAD

MILL STREET- BETWEEN LYNN STREET AND MARSTON STREET

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO LYNN STREET, LEFT ONTO MILL STREET

MORRILL ROAD - BETWEEN WATERFORD ROAD AND WATSON ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ACROSS FROM COUNTRY CLUB ROAD, THIRD RIGHT ONTO MORRILL ROAD

MORSE ROAD - BETWEEN GREENWOOD ROAD AND WILEY ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO GREENWOOD ROAD, THIRD LEFT AT NOBLES CORNER ONTO MORSE ROAD

NEVERS AVENUE - FIRST LEFT OFF CARTER STREET (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON LYNN STREET, ACROSS MAIN STREET, TO GREENLEAF AVENUE, LEFT ON ELM STREET, RIGHT ON CARTER STREET, FIRST LEFT ON NEVERS AVENUE

NO NAME STREET - FIFTH LEFT ON ALPINE STREET

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, LEFT ONTO TUCKER STREET, LEFT ONTO ALPINE STREET, THIRD STREET ON FIFTH LEFT ONTO NO NAME STREET

NORWAY CENTER ROAD - BETWEEN GREENWOOD ROAD AND MORSE ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ONTO GREENWOOD ROAD, FIRST LEFT ONTO NORWAY CENTER ROAD

OAK AVENUE - EIGHTH LEFT ON MAIN STREET FROM OXFORD LINE

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON LYNN STREET, RIGHT ON MAIN STREET, SECOND LEFT ONTO OAK AVENUE

OLD STAGE ROAD - FIRST LEFT OFF HARRISON ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, LEFT ONTO HARRISON ROAD, FIRST LEFT ONTO OLD STAGE ROAD

ORCHARD STREET - BETWEEN GREENLEAF AVENUE AND PIKES HILL ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON LYNN STREET, ACROSS MAIN STREET TO GREENLEAF AVENUE, TO ORCHARD STREET

PARIS STREET - FROM MAIN STREET AT THE ROWE SCHOOL TO PARIS TOWN LINE

WINTER MAINTENANCE TOWN; SUMMER MAINTENANCE STATE

DIRECTIONS: RIGHT ONTO BEAL STREET, LEFT OR RIGHT ONTO PARIS STREET

PARSONS ROAD - THIRD LEFT OFF PIKES HILL (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, LEFT ON PIKES HILL ROAD, THIRD LEFT ONTO PARSONS ROAD

PATCH MOUNTAIN RD - SECOND RIGHT OFF MORSE ROAD FROM GREENWOOD ROAD
TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ON GREENWOOD ROAD, LEFT ON MORSE ROAD, SECOND RIGHT (AT SWIFTS CORNER) ON PATCH MOUNTAIN ROAD

PEARL STREET - BETWEEN COTTAGE STREET AND WHITMAN STREET
TOWN ROAD

DIRECTIONS: LEFT ON BEAL STREET, ACROSS COTTAGE STREET, KITTY CORNER ONTO PEARL STREET

PENN ROAD - THIRD LEFT ON PLEASANT STREET (DEAD END)
TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, RIGHT ON PLEASANT STREET, THIRD LEFT ONTO PENN ROAD

PIKES HILL ROAD - RUNS FROM MAIN STREET AT ADVERTISER SQUARE TO END
TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON LYNN STREET, RIGHT ON MAIN STREET, THIRD LEFT ON PIKES HILL ROAD

PINE STREET - FROM HAZEN STREET, ACROSS RAILROAD TRACKS
TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, LEFT ON MARSTON STREET, LEFT OR RIGHT ONTO PINE STREET

PLEASANT STREET- RIGHT OFF MAIN STREET AT TAYLOR'S PRODUCE
TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON LYNN STREET, RIGHT ON MAIN STREET, FIFTH RIGHT ONTO PLEASANT STREET

RADCLIFF STREET - BETWEEN ELM STREET AND HORNE STREET
TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ON LYNN STREET, ACROSS MAIN STREET TO GREENLEAF AVENUE, LEFT ON ELM STREET, FIRST LEFT ONTO RADCLIFF STREET

RALPH RICHARDSON ROAD - FIFTH RIGHT ON PLEASANT STREET
TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, RIGHT ON PLEASANT STREET, FIFTH RIGHT ONTO RALPH RICHARDSON ROAD

REC COMPLEX DRIVE - BEHIND THE TOWN GARAGE (DEAD END)
TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, RIGHT ONTO WINTER STREET, ACROSS PARIS STREET, RIGHT ONTO FAIR STREET, LEFT ONTO GROVE STREET, RIGHT ONTO REC COMPLEX DRIVE

RICKER ROAD- LAST LEFT OFF SODOM ROAD BEFORE CROOKED RIVER BRIDGE (DEAD END)
TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, LEFT ON HARRISON ROAD, RIGHT ONTO SODOM ROAD, FOURTH LEFT ONTO RICKER ROAD

ROBERTS ROAD - BETWEEN LAKE ROAD AND PIKES HILL

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET TO LAKE ROAD, 2ND LEFT ONTO ROBERTS ROAD

ROGERS STREET - FIRST RIGHT ON MAIN STREET FROM OXFORD TOWN LINE (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, THIRD RIGHT ON WINTER STREET, ACROSS PARIS STREET, RIGHT ON FAIR STREET, LEFT ON MAIN STREET, THIRD LEFT ON ROGERS STREET (BEFORE RUSTFIELD VILLAGE)

ROLLING MEADOW DRIVE - THIRD RIGHT OFF OF WATSON ROAD (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ONTO MAIN STREET TO LAKE ROAD THEN ONTO WATERFORD ROAD RIGHT, ONTO WATSON ROAD, THIRD RIGHT ONTO ROLLING MEADOW DRIVE

ROUND THE POND ROAD - BETWEEN CROCKETT RIDGE & GREENWOOD RD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, RIGHT ON CROCKETT RIDGE ROAD, SEVENTH LEFT AT HEYWOOD CLUB ONTO ROUND THE POND ROAD

SANBORN CIRCLE - SECOND RIGHT ON MAIN STREET, FROM OXFORD TOWN LINE ***TOWN ROAD*** (CIRCLES AROUND TO THIRD RIGHT ON MAIN STREET)

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON WINTER STREET., ACROSS PARIS STREET, RIGHT ON FAIR STREET, LEFT ON MAIN STREET, FIRST LEFT (AFTER SWAN SUPPLY) TO SANBORN CIRCLE

SAUNDERS ROAD - LEFT OFF PARSONS ROAD (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ONTO MAIN STREET, LEFT ONTO PIKES HILL ROAD, SECOND LEFT ONTO PARSONS ROAD, FIRST LEFT ONTO SAUNDERS DRIVE

SCHOOL STREET -FIRST LEFT OFF MARSTON STREET (FROM BEAL STREET) (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON MARSTON STREET, LEFT ON SCHOOL STREET

SHEDD ROAD - SEVENTH RIGHT OFF WATERFORD ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, SEVENTH RIGHT ONTO SHEDD ROAD

SKILLIN AVENUE - SECOND LEFT AFTER RAILROAD TRACKS ON ALPINE STREET (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, LEFT ON TUCKER STREET, LEFT ON ALPINE STREET, SECOND LEFT AFTER RAILROAD TRACKS ONTO SKILLIN AVENUE

SODOM ROAD - RIGHT OFF HARRISON ROAD TO WATERFORD TOWN LINE

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, LEFT ON HARRISON ROAD, FIRST RIGHT ONTO SODOM ROAD

SOLON STREET - BETWEEN PARIS STREET AND TUCKER STREET

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, LEFT ON TUCKER STREET, FIRST RIGHT ONTO SOLON STREET

SPRING STREET - FIRST LEFT OFF DEAN AVENUE (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON WINTER STREET, ACROSS PARIS STREET, RIGHT ON FAIR STREET, LEFT ON MAIN STREET, RIGHT ON DEAN AVENUE, FIRST LEFT ONTO SPRING STREET

STEVENS STREET - BETWEEN ALDRICH AVENUE AND SKILLIN AVENUE

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, LEFT ON TUCKER STREET, LEFT ON ALPINE STREET, LEFT ON ALDRICH AVENUE, FIRST LEFT ONTO STEVENS STREET

SUMMER STREET - BETWEEN COTTAGE STREET AND WHITMAN STREET

TOWN ROAD

DIRECTIONS: LEFT ON BEAL STREET, RIGHT ON COTTAGE STREET, FIRST LEFT ONTO SUMMER STREET

TANNERY STREET - BETWEEN MAIN STREET AND MILL STREET

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON LYNN STREET, LEFT ON MILL STREET, RIGHT ONTO TANNERY STREET

TEMPLE STREET - BETWEEN DANFORTH STREET AND COTTAGE STREET

TOWN ROAD

DIRECTIONS: LEFT ON BEAL STREET, LEFT ON DANFORTH STREET, RIGHT ONTO TEMPLE STREET

THOMAS HILL ROAD - FOURTH RIGHT ON HARRISON ROAD

TOWN MAINTAINED TO THE TOP OF THE HILL

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, LEFT ON HARRISON ROAD, FOURTH RIGHT ONTO THOMAS HILL ROAD

THURSTON ROAD - FIRST LEFT OFF OF TRACY LANE (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ON GREENWOOD ROAD, FIRST RIGHT ONTO TRACY LANE, FIRST LEFT ONTO THURSTON ROAD

TOWN & COUNTRY DRIVE - 2ND LEFT ON MAIN STREET FROM OXFORD TOWN LINE

TOWN ROAD TO ENTRANCE OF TRAILER PARK

DIRECTIONS: RIGHT ON BEAL STREET, RIGHT ON WINTER STREET, ACROSS PARIS STREET, RIGHT ON FAIR STREET, LEFT ON MAIN STREET, THIRD RIGHT ONTO TOWN & COUNTRY DRIVE

TOWN FARM ROAD - BETWEEN WATERFORD ROAD AND YAGGER ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, SIXTH LEFT ONTO TOWN FARM ROAD

TUCKER STREET - BETWEEN BEAL STREET AND ALPINE STREET

TOWN ROAD

DIRECTIONS: RIGHT ONTO BEAL STREET, SIXTH LEFT ONTO TUCKER STREET

UPTON BROTHERS ROAD - SECOND LEFT ON ROUND THE POND ROAD FROM GREENWOOD END

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, RIGHT ON GREENWOOD ROAD, RIGHT ONTO ROUND THE POND ROAD, SECOND LEFT ONTO UPTON BROTHERS ROAD

WALKER AVENUE - SECOND LEFT OFF LAKE ROAD (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, SECOND LEFT ON WALKER AVENUE

WATER STREET - BETWEEN PIKES HILL ROAD AND LAKE ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, FIRST LEFT ON WATER STREET

WATERFORD ROAD - (AKA ROUTE 118)

STATE ROAD

DIRECTIONS: BEGINS AT THE INTERSECTION WITH 117 AND GOES STRAIGHT TO WATERFORD

WATSON ROAD - BETWEEN WATERFORD ROAD AND NORWAY CENTER ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, PAST HOBBS POND FIFTH RIGHT ONTO WATSON ROAD

WHITMAN STREET - (**DEAD END**)

TOWN ROAD

DIRECTIONS: LEFT ON BEAL STREET, ACROSS COTTAGE STREET TO PEARL STREET, LEFT OR RIGHT AT END OF PEARL STREET ONTO WHITMAN STREET

WILEY ROAD - SIXTH RIGHT OFF WATERFORD ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, SIXTH RIGHT ONTO WILEY ROAD

WINTER STREET - THIRD RIGHT ON BEAL STREET

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, THIRD RIGHT ONTO WINTER STREET

WOODLAND DRIVE - RIGHT OFF SKILLIN AVENUE (**DEAD END**)

TOWN ROAD

DIRECTIONS: RIGHT ON BEAL STREET, LEFT ON TUCKER STREET, LEFT ON ALPINE STREET, LEFT ON SKILLIN AVE. RIGHT ONTO WOODLAND DRIVE

YAGGER ROAD - LEFT OFF WATERFORD ROAD, ACROSS FROM HOBBS POND ROAD

TOWN ROAD

DIRECTIONS: RIGHT ON MAIN STREET, TO LAKE ROAD, TO WATERFORD ROAD, LEFT ACROSS FROM HOBBS POND ROAD ONTO YAGGER ROAD

APPENDIX A

Crockett Ridge Road MaineDOT Report



Janet T. Mills
GOVERNOR

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Bruce A. Van Note
COMMISSIONER

July 19, 2023

Town of Norway
19 Danforth Street
Norway, Maine 04268

Re: Posting of Crockett Ridge Road Bridge #3041

Dear Municipal Officials,

This letter is to inform you that MaineDOT is recommending Crockett Ridge Road Bridge that carries Crockett Ridge Road over Pennessewassee Stream in the Town of Norway is to be posted to 22 tons in order to protect the safety of the travelling public. The bridge will be reevaluated and may be further restricted or closed as a result.

The bridge should be posted as soon as practical. The municipalities have the primary responsibility for safety of the bridge including load posting and closure as explained in the Maine's 2001 Local Bridge Law under 23 MRSA Chapter 9, subchapter 4-A.

The bridge posting should follow the Manual for Uniform Traffic Control Devices. It is recommended that a Bridge Posted Ahead sign be placed at the nearest intersection on each end to allow overload vehicles to use an alternate route.

MaineDOT will provide you with the initial signs and appropriate guidance. If the signs are not in place by August 16th, 2023, MaineDOT will exercise its authority to protect public safety and post the structure. The Department will invoice the municipalities for time and materials required to install the posting signs. If the municipality fails to maintain the signs, MaineDOT will do so and again invoice the municipality for the costs incurred.

If you have any questions regarding the signage or traffic related issues you may contact Tim Soucie, the Region Traffic Engineer at 562-4228, or Tony Beaulieu, the Region Engineer at 562-4228. If you have any structural questions regarding the condition of the bridge, do not hesitate to contact me at 624-3246.

Sincerely,

Ronald W. Taylor, P.E.

Cc Ben Foster / Tim Soucie / Tony Beaulieu / File

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Inspection Type(s): Underwater

Bridge Name: CROCKETT

Town: Norway



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3041_2023_UW.S01	26

Inspector: Carl Edwards
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

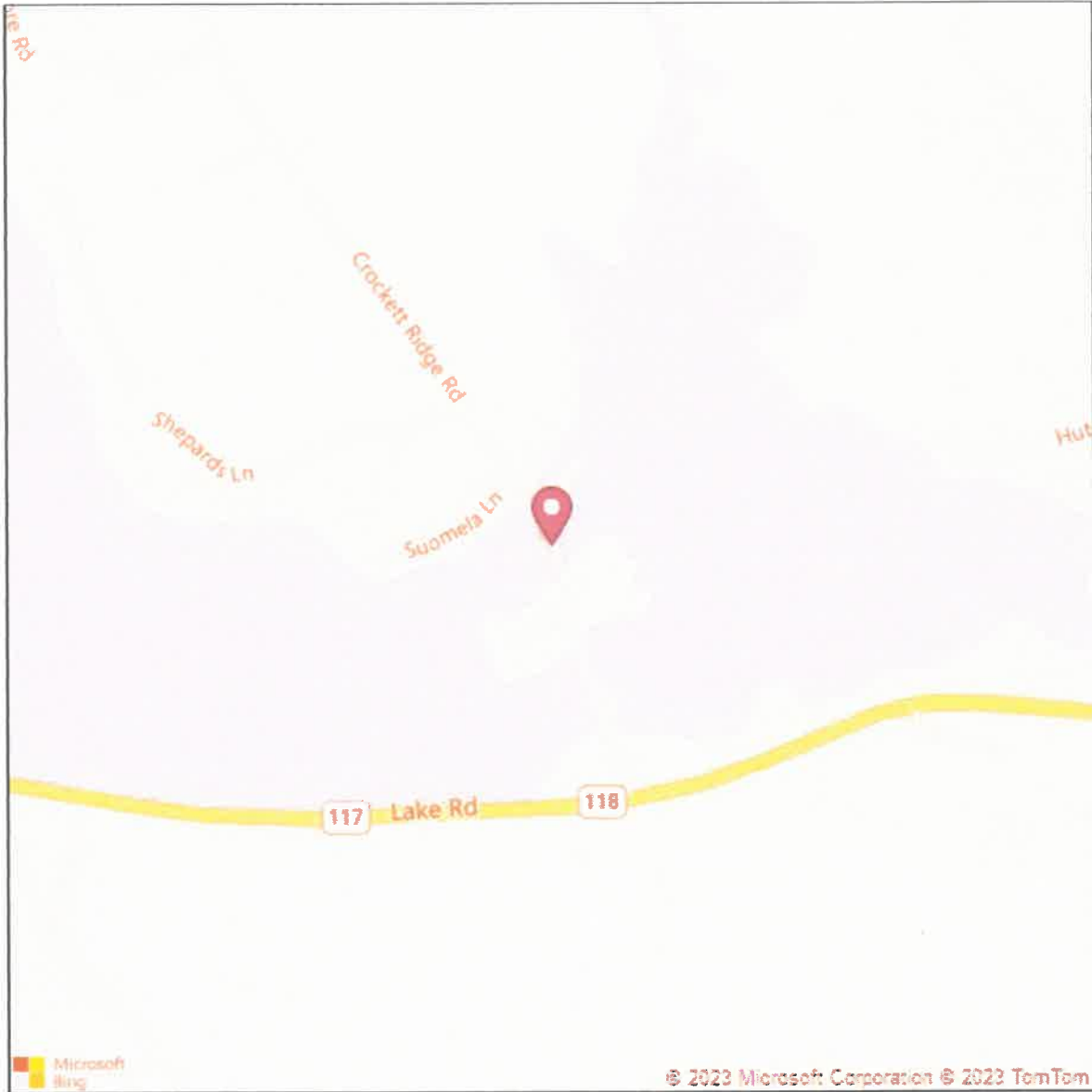
Highway Bridge Inspection Report

Executive Summary

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report



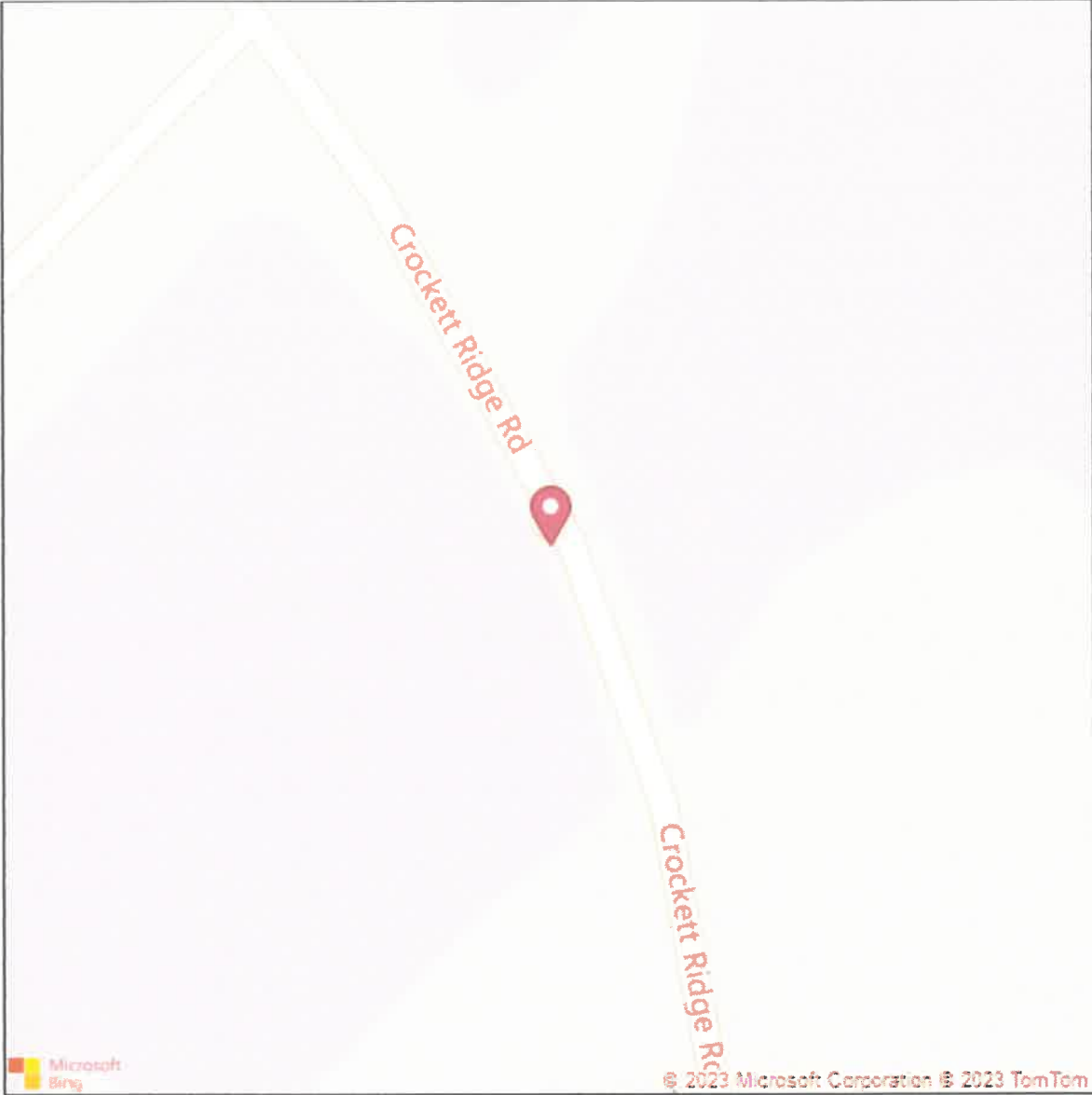
Latitude: 44.21597

Longitude: -70.56170

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report



Latitude: 44.21597

Longitude: -70.56170

Inspector: Edwards, Carl
 Inspection Date: 05/16/2023

Structure Number: 3041
 Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report
National Bridge Inventory

Status: 1 - SD

Bridge Name: CROCKETT

Sufficiency Rating: 44.1

Inspections

(90) INSPECTION DATE	& (91) DESIGNATED INSPECTION FREQUENCY	12	10/17/2022
(92) CRITICAL FEATURE INSPECTION	& (93) CFI DATE		
(92A) FRACTURE CRITICAL DETAIL		N	
(92B) UNDERWATER INSPECTION		Y	12
(92C) OTHER SPECIAL INSPECTION		N	05/16/2023

Identification

(1) STATE CODE	231 - Maine
(8) STRUCTURE NUMBER	3041
(5) INVENTORY ROUTE	
(5A) RECORD TYPE	1: Route carried "on" the structure
(5B) ROUTE SIGNING PREFIX	5 - CITY STREET
(5C) DESIGNATED LEVEL OF SERVICE	0 - None
(5) INVENTORY ROUTE	0
(5) INVENTORY ROUTE	0 - NOT APPLICABLE
(2) HIGHWAY AGENCY DISTRICT	03 - Western
(3) COUNTY CODE	017 Oxford
(4) PLACE CODE	54000
(6) FEATURES INTERSECTED	PENNESSEEWASSEE STREAM
(7) FACILITY CARRIED	CROCKETT RIDGE RD
(9) LOCATION	2 MI W TOWNLIN
(11) MILEPOINT	2.830
(12) BASE HIGHWAY NETWORK	Inventory Route is not on the Base Network
(13) LRS INVENTORY ROUTE, SUBROUTE	
(13A) LRS INVENTORY ROUTE	0001700505
(13B) SUBROUTE NUMBER	00
(16) LATITUDE	44.21597
(17) LONGITUDE	-70.56170
(98A) BORDER BRIDGE CODE	
(98B) PERCENT RESPONSIBILITY	0
(99) BORDER BRIDGE STRUCT NO.	n/a

Structure Type and Material

(43) STRUCTURE TYPE, MAIN	
(43A) KIND OF MATERIAL/DESIGN	3 - Steel
(43B) TYPE OF DESIGN/CONSTR	19 - Culvert (includes frame culverts)
(44) STRUCTURE TYPE, APPROACH SPANS	
(44A) KIND OF MATERIAL/DESIGN	0 - Other
(44B) TYPE OF DESIGN/CONSTRUCTION	00 - Other
(45) NUMBER OF SPANS IN MAIN UNIT	1
(46) NUMBER OF APPROACH SPANS	0
(107) DECK STRUCTURE TYPE	N - Not Applicable
(108) WEARING SURFACE/PROTECTIVE SYSTEMS	
(108A) WEARING SURFACE	N - NA
(108B) DECK MEMBRANE	N - NA
(108C) DECK PROTECTION	N - NA

Age of Service

(27) YEAR BUILT	1950
(106) YEAR RECONSTRUCTED	0
(42) TYPE OF SERVICE	
(42A) TYPE OF SERVICE ON BRIDGE	1 - Highway
(42B) TYPE OF SERVICE UNDER BRIDGE	5 - Waterway
(28) LANES	
(28A) LANES ON THE STRUCTURE	02
(28B) LANES UNDER THE STRUCTURE	00

Inspector: Edwards, Carl
 Inspection Date: 05/16/2023

Structure Number: 3041
 Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

(29) AVERAGE DAILY TRAFFIC	867
(30) YEAR OF AVERAGE DAILY TRAFFIC	2016
(109) AVERAGE DAILY TRUCK TRAFFIC	5
(19) BYPASS DETOUR LENGTH	2

Geometric Data

(48) LENGTH OF MAXIMUM SPAN (ft.)	15.0
(49) STRUCTURE LENGTH (ft.)	15.0
(50) CURB/SIDEWALK WIDTHS	
(50A) LEFT CURB SIDEWALK (ft.)	0
(50B) RIGHT CURB SIDEWALK (ft.)	0
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	0
(32) APPROACH ROADWAY WIDTH (ft.)	26.0
(33) BRIDGE MEDIAN	0 - No median
(34) SKEW (deg.)	0
(35) STRUCTURE FLARED	0 - No flare
(10) INV RTE, MIN VERT CLEARANCE (ft.)	328.05
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	28.0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	327.76
(54) MIN VERTICAL UNDERCLEARANCE	
(54A) REFERENCE FEATURE	N - Feature not a highway or railroad
(54B) MIN VERTICAL UNDERCLEARANCE (ft.)	0
(55) MIN LATERAL UNDER CLEARANCE RIGHT	
(55A) REFERENCE FEATURE	N - Feature not a highway or railroad
(55B) MIN LATERAL UNDER CLEARANCE RIGHT (ft.)	327.76
(56) MIN LATERAL UNDER CLEARANCE (ft.)	99.9

Classification

(112) NBIS BRIDGE LENGTH	No
(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0 - Structure/Route is NOT on NHS
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	09 - Rural - Local
(100) STRAHNET HIGHWAY DESIGNATION	Not a STRAHNET route
(101) PARALLEL STRUCTURE DESIGNATION	N - No parallel structure
(102) DIRECTION OF TRAFFIC	2-way traffic
(103) TEMP STRUCTURE	
(105) FEDERAL LANDS HIGHWAYS	Not Applicable
(110) DESIGNATED NATIONAL NETWORK	Inventory route not on network
(20) TOLL	3 - On Free Road
(21) MAINTENANCE RESPONSIBILITY	03 - Town or Township Highway Agency
(22) OWNER	03 - Town or Township Highway Agency
(37) HISTORICAL SIGNIFICANCE	5 - Not eligible

Condition

(58) DECK	N - Not Applicable
(59) SUPERSTRUCTURE	N - Not Applicable
(60) SUBSTRUCTURE	N - Not Applicable
(61) CHANNEL & CHANNEL PROTECTION	7 - Bank protection needs minor repairs
(62) CULVERT	3 - As in 4 but excessive

Load Rating and Posting

(31) DESIGN LOAD	2 - H 15
(63) METHOD USED TO DETERMINE OPERATING RATING	2 - Allowable Stress (AS)
(64) OPERATING RATING	34.3
(65) METHOD USED TO DETERMINE INVENTORY RATING	2 - Allowable Stress (AS)
(68) INVENTORY RATING	24.5
(70) BRIDGE POSTING	5 - Equal to or above legal loads
(41) STRUCTURE OPEN/POSTED/CLOSED	A - Open

Appraisal

(67) STRUCTURAL EVALUATION	3
(68) DECK GEOMETRY	4

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(71) WATERWAY ADEQUACY	8 - Bridge Above Approaches
(72) APPROACH ROADWAY ALIGNMENT	5 - Somewhat better than minimum adequacy to tolerate being left in place as is
(36) TRAFFIC SAFETY FEATURE	
36A) BRIDGE RAILINGS:	N - NA/Safety feature not required
36B) TRANSITIONS:	N - NA/Safety feature not required
36C) APPROACH GUARDRAIL	0 - Does not meet acceptable standards/safety feature is required
36D) APPROACH GUARDRAIL ENDS	0 - Does not meet acceptable standards/safety feature is required
(113) SCOUR CRITICAL BRIDGES	8 - Stable for scour conditions

Proposed Improvements

(75) TYPE OF WORK	
(75A) TYPE OF WORK PROPOSED	
(75B) WORK DONE BY	
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	
(94) BRIDGE IMPROVEMENT COST (\$K)	
(95) ROADWAY IMPROVEMENT COST (\$K)	
(96) TOTAL PROJECT COST	
(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(114) FUTURE ADT	1387
(115) YEAR OF FUTURE ADT	2036

Navigation Data

(38) NAVIGATION CONTROL	0 - No navigation control on waterway (bridge permit not required)
(111) PIER OR ABUTMENT PROTECTION	
(39) NAV VERT CLEARANCE	0
(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE	0
(40) NAV HORIZONTAL CLEARANCE	0

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

7.1 Component Condition Ratings

(B.C.05) Bridge Railings

(B.C.06) Bridge Railing Transitions

(B.C.07) Bridge Bearings

(B.C.07) Bridge Joints

Bridge Joint Seal

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Inspection Notes

Structure Number: 3041

Town: Norway

Structure Name: CROCKETT

Structure Notes

1950 ~ 15 foot steel bolted pipe arch culvert.

Wearing Surface

There is nested cracking in the pavement over the culvert.
There is a 3ft deep sinkhole on the northwest corner of the culvert, exposed by a small hole in the wearing surface.

Deck

NBI Item 58: N

Superstructure

NBI Item 59: N

Substructure

NBI Item 60: N

Culvert

NBI Item 62: 3

There is light rust on 8ft of pipe edge between bolted sections above the waterline. There are nickel size rust nodules below the waterline throughout. There is rust at the bolts along the top plate at the west end. Unzipping can be seen beneath the waterline at the northeast corner for several feet. There are holes in the southeast and southwest corners that are showing signs of unzipping.
Unzipping has been initiated at the northwest corner

Inspector: Edwards, Carl

Structure Number: 3041

Inspection Date: 05/16/2023

Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

The water is too deep to wade. Refer to latest underwater inspection for details.

Channel **NBI Item 61:** 7

Good channel alignment with lake upstream and downstream.

Other

There is significant collision damage to west guardrail. It is leaning out on both sides.

There is erosion at all four corners of the culvert and on top of the culvert, behind the guardrail. Erosion at the southeast corner is starting to impact the roadway. The northwest corner has eroded around the large stones. There are erosion control socks and mulch installed on all 4 corners.

Special Inspection

Monitoring

Pontis Notes

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
240-Steel Culvert	2 - Low	76	ft.	0	0	64	12

Inspector: Edwards, Carl
 Inspection Date: 05/16/2023

Structure Number: 3041
 Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Over Limit Report

Bridge #: 3041
 Bridge Name: CROCKETT
 Owner: 03 - Town or Township Highway Agency
 Co-Owner: N Not applicable
 Region: 03 - Western

Town1: Norway
 Town2:
 Maintainer: 03 - Town or Township Highway Agency
 Co-Maintainer: N Not applicable

Vertical Clearance - Under

Left, Center, and Right is based on the direction of travel

Roadway - Heading North or East

Actual Heights in Feet-Inches

Date Measured:

Main: PENNESSEEWASSEE
 STREAM
 Other:

Left	Center	Right
-	-	-
-	-	-
-	-	-

Posted	Deficient Sign
<input type="checkbox"/> Main -	
<input type="checkbox"/> Other -	
<input type="checkbox"/> Ramp -	

Ramps:

Roadway - Heading South or West

Actual Heights in Feet-Inches

Date Measured:

Main: PENNESSEEWASSEE
 STREAM
 Other:

Left	Center	Right
-	-	-
-	-	-
-	-	-

Posted	Deficient Sign
<input type="checkbox"/> Main -	
<input type="checkbox"/> Other -	
<input type="checkbox"/> Ramp -	

Ramps:

Vertical Clearance - Portal

Roadway: CROCKETT RIDGE RD

Heading North or East

Actual Heights in Feet-Inches

Date Measured:

Left	Center	Right
-	-	-

Posted	Deficient Sign
<input type="checkbox"/> Portal -	

Heading South or West

Actual Heights in Feet-Inches

Date Measured:

Left	Center	Right
-	-	-

Posted	Deficient Sign
<input type="checkbox"/> Portal -	

Permitting

Pointer

Red Flag Comments

Heading North Height: -
 Heading South Height: -
 Left Ramp Height: -
 Right Ramp Height: -
 Portal North Height: -
 Portal South Height: -
 Other Road Height: -

Bridge Width: 0 ft
 Roadway Width: 26.0 ft

Underclearance heights are signed if less than 14 ft 6 in

Check with Maine Turnpike Authority for load heights over 13 ft 6 in

Always check 511

Load Restrictions

Posted _____ tons Date posted: _____
 Posted One Truck at a Time _____
 Posted for 4 axle only _____
 Operating Load Rating 34.3 _____
 Permit Load Ratings _____ axles

Inspector: Edwards, Carl

Structure Number: 3041

Inspection Date: 05/16/2023

Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

axles

axles

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Underwater Dive Inspection Report

Structure Number: 3041

Bridge Name: CROCKETT

Town 1: 17210 - Norway

Town 2:

Division: Dixfield

DiveID: 5585

Tidal:

Location: 2 MI W TOWNLIN

Photos:

Tide Information: none

topside

Dive Entry Location: DS end has granite steps down to water

Scour:

Comments/Hazards:

Boat Traffic.
Park at turn-out on lake side.
Nearby path posted now with No Trespass signs to water. Cross street.

Streambed Description:

Gravel and stones

Channel Description:

Ponded, gravel inside pipe, invert ends buried, bottom drops off beyond pipe.

Substructure Description:

Thick metal galvanized culvert. 1/2" thick layer of black corrosive material over shiny smooth metal areas along beveled edge thinned to knife edge.
Carl took video.

2014: Holes through on both sides now at downstream end. Rating remains 4.

2016: Several holes through now at each end and paper thin walls - see photos. Decrease Substructure rating to "3".

2018: Downstream, left side has continuous holes through, near unzipping. Many holes through on other ends.

2020: Some holes mid span now, ends unzipping. Pipe ends even with streambed.

2022: Holes mid span, ends unzipping. Paper thin walls throughout at waterline and below.
Pipe ends even with streambed.

2023: Continuous holes mid span, ends unzipping.
Thin walls throughout at waterline and below.
Heavy rust layer throughout.
Pipe ends even with streambed.
Pavement patches in roadway over pipe, but no indication of material coming through pipe as yet.

Inspection Team:

Edwards

Role:

TL,SD

D

D

Merrithew

D

Nelson

SD

Dive Conditions:

Time: Entry: 8:10 AM/PM AM

Time: Exit: 8:30 AM/PM AM

Water Temp: 53

Visibility (ft): 6

Max Depth (ft): 9

Current: Slight

Weather: sunny

Underwater Inspection Date: 05/16/2023

Channel Condition: 7

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Substr/Culvert Condition: 3

Inspection Cycle: Y12

Ratings Comments:

continuous holes through, paper thin walls

Inspector: Carl Edwards
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Pictures



PHOTO 1

Description inlet



PHOTO 2

Description general view

Inspector: Carl Edwards
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Pictures



PHOTO 3

Description close up of heavy rust layer

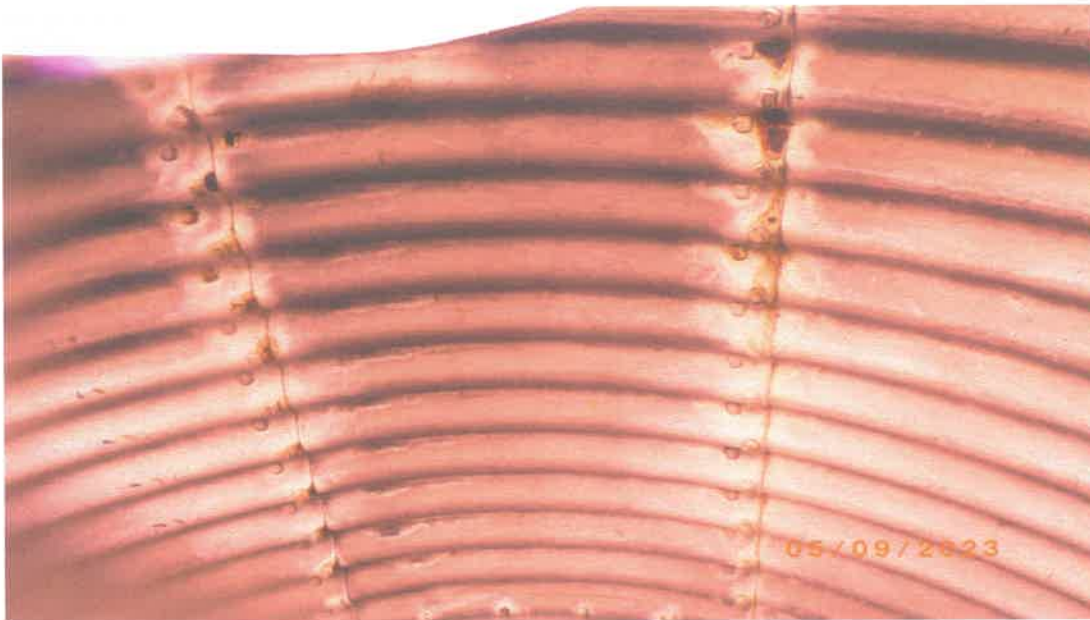


PHOTO 4

Description over head

Inspector: Carl Edwards
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Pictures



PHOTO 5

Description unzipped end (typ)



PHOTO 6

Description general view

Inspector: Carl Edwards
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Pictures



PHOTO 7

Description patches in roadway over pipe



PHOTO 8

Description lake upstream

Inspector: Carl Edwards
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Pictures



PHOTO 9

Description guard rail damage



PHOTO 10

Description outlet

Inspector: Edwards,Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Maintenance Work Items

Structure Number: 3041
Town: 17210

Structure Name: CROCKETT
Owner: Edwards,Carl

Type	Work Item	Priority	Notes
Safety	Repair Bridge Rail		Repair or install new guardrail on west side
Maintenance	Repair Wearing Surface		Seal or replace bituminous roadway wearing surface above culvert
Capital	Rehab Culvert		rehab culvert

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

MaineDOT NBIS Bridge Safety Inspection JSA

Inspector: Edwards, Carl
Team Lead: carl edwards

Structure Number: 3041
Structure Name: CROCKETT
Town: Norway

Additional Team Members/Visitors:

- | | |
|------------------|-----|
| 1.) tim merithew | 6.) |
| 2.) Brett Nelson | 7.) |
| 3.) | 8.) |
| 4.) | 9.) |
| 5.) | |

Job being performed:

Underwater Bridge Inspection

Potential Hazard:

- Exposure to traffic

Potential Hazard:

- Steep slopes and uneven working areas
(rip rap, mud, loose fill, etc)

Potential Hazard:

- Chipped Concrete or Steel (hand tools only)

Potential Hazard:

- 6' Vertical drops

Potential Hazard:

- Water Hazards

- Water depth under 1 foot
- Water depth 1 to 4 feet
- Water depth over 4 feet
- Water flow calm/slow moving
- Water flow visible/not rapid
- Water flow rapid with some short falls
- Tidal Water

Controls:

- Parked off road with strobe
- Less than 1 hour on bridge
- Wear standard reflective clothing and hard hat
- Spotter Traffic Control Crew

Controls:

- Wear appropriate, prudent footwear
- Rope or fall protection

Controls:

- Wear appropriate, prudent eye/hand protection

Controls:

- Stay away from areas

Controls:

- Evaluate Water Hazard conditions
- Use/Wear appropriate PPE
- Buddy System

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

[Empty box for notes]

Potential Hazard:

- Insects, Poison Ivy, or other environmental hazards

[Empty box for notes]

Potential Hazard:

- Lead paint and Avian excrement

[Empty box for notes]

Potential Hazard:

- Heavy Manual Lifting

[Empty box for notes]

Potential Hazard:

- DCS, Lung Expansion

[Empty box for notes]

Potential Hazard:

- Entanglement U/W

[Empty box for notes]

Potential Hazard:

- Boat Traffic

[Empty box for notes]

Potential Hazard:

- Cold Water

[Empty box for notes]

Potential Hazard:

- Live Boating

[Empty box for notes]

Other Potential Hazards:

[Empty box for notes]

Controls:

- Apply insect repellent and/or sunscreen
- Protect skin with appropriate, prudent clothing

Controls:

- Wear gloves, do not scrape

Controls:

- Ask for assistance in donning dive gear, lifting equipment

Controls:

- Ascend slowly, use computers, Safety Stops (15' mark for 3 min.)

Controls:

- Use knife, Comm gear

Controls:

- Fly Dive Flag, use spotter, contact bridge on Chan. 13

Controls:

- Use adequate dry suit underwear for water temperature

Controls:

- Keep track of divers, avoid powering during drop-off/pick-up

Other Controls:

[Empty box for notes]

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Safety Equipment Required:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Hard hat | <input type="checkbox"/> Sunscreen |
| <input checked="" type="checkbox"/> Vest | <input checked="" type="checkbox"/> First Aid |
| <input checked="" type="checkbox"/> Glasses | <input type="checkbox"/> O2 |
| <input checked="" type="checkbox"/> Gloves | <input type="checkbox"/> AED |
| <input checked="" type="checkbox"/> PFD | <input type="checkbox"/> Comm Gear |
| <input type="checkbox"/> Rain Gear | <input checked="" type="checkbox"/> Cell Phone |
| <input checked="" type="checkbox"/> Bug Spray | <input type="checkbox"/> Boat |

- | |
|---|
| <input type="checkbox"/> Throw Ring |
| <input type="checkbox"/> Throw Rope |
| <input type="checkbox"/> Positioning Device |

Emergency Action Plan:

- | |
|---|
| <input checked="" type="checkbox"/> Call 911 |
| <input checked="" type="checkbox"/> First Aid Kit |
| <input type="checkbox"/> Fall Rescue Plan |
| <input type="checkbox"/> Water Rescue Plan |
| <input type="checkbox"/> Dan 1-919-684-9111 |
| <input type="checkbox"/> USCG 741-5465 |

Other Safety Equipment:

--

Other Emergency Action Plan:

--

I certify that the MaineDOT NBIS Bridge Safety Inspection JSA has been completed according to all proper procedures required by the Maine Department of Transportation.

Complete Carl Edwards

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

Highway Bridge Inspection Report

Bridge Components

Bridge #: 3041
Bridge Name: CROCKETT
Owner: 03 - Town or Township Highway Agency
Co-Owner: N Not applicable
Region: 03 - Western

Town1: Norway
Town2:
Maintainer: 03 - Town or Township Highway Agency
Co-Maintainer: N Not applicable

Deck

<u>Joint Seal Type/MFG:</u>	<u>Joint Types:</u>	<u>Joint HDR Mat:</u>	<u>Other:</u>	<u>Rebar Type:</u>
<input type="checkbox"/> Emseal	<input type="checkbox"/> Finger	<input type="checkbox"/> Concrete	<input type="checkbox"/> Curtain	
<input type="checkbox"/> V Seal	<input type="checkbox"/> Asphaltic Plug	<input type="checkbox"/> Delcrete	<input type="checkbox"/> Troughs	
<input type="checkbox"/> Watson Bowman	<input type="checkbox"/> Compression	<input type="checkbox"/> Elastomeric	<input type="checkbox"/> Armor	
<input type="checkbox"/> Hot Rubber	<input type="checkbox"/> Modular	<input type="checkbox"/> LP Concrete		
<input type="checkbox"/> Pour-in-Place	<input type="checkbox"/> Gland	<input type="checkbox"/> Phocrete		
<input type="checkbox"/> DS Brown	<input type="checkbox"/> Waybo Crete	<input type="checkbox"/> Plycrete		
<input type="checkbox"/>	<input type="checkbox"/> Sliding			
	<input type="checkbox"/> Transflex			
	<input type="checkbox"/> Open			

Superstructure

<u>Left Side Rail:</u>			<u>Right Side Rail:</u>		
Material	Steel	<input type="checkbox"/> Retrofit	Material	Steel	<input type="checkbox"/> Retrofit
Shape	Guardrail	<input type="checkbox"/> Safety Walk	Shape	Guardrail	<input type="checkbox"/> Safety Walk
Attached To	Ground	<input type="checkbox"/> Pales	Attached To	Ground	<input type="checkbox"/> Pales
Number of Bars	0	<input type="checkbox"/> Snow Fence	Number of Bars	0	<input type="checkbox"/> Snow Fence
Extra Height	N		Extra Height	N	

<u>Bearing Type Quantity:</u>	<u>Fatigue Prone Detail:</u>
<input type="checkbox"/> Disk	<input type="checkbox"/> Narrow Cover Plate - Sq End Welded
<input type="checkbox"/> Pot	<input type="checkbox"/> Narrow Cover Plate - Sq End w/o Weld
<input type="checkbox"/> Roller	<input type="checkbox"/> Wide Cover Plate - Sq End Welded
<input type="checkbox"/> Elastomeric	<input type="checkbox"/> Wide Cover Plate - Sq End w/o Weld
<input type="checkbox"/> Rocker	<input type="checkbox"/> Lateral Connection Plate - Welded
<input type="checkbox"/> Sliding Plate	<input type="checkbox"/> Narrow Cover Plate - Tapered End Welded
<u>Other:</u>	<input type="checkbox"/> Narrow Cover Plate - Tapered End w/o Weld
<input type="checkbox"/> Pin Quantity	<input type="checkbox"/> Longitudinal Stiffener - Welded with Radius
<input type="checkbox"/> Pin and Link Quantity	<input type="checkbox"/> Longitudinal Stiffener - Welded w/o Radius
	<input type="checkbox"/> Hoan Detail

Substructure

Pier Collars
 Abutment Collars
 Wood Piles
 Steel Piles
 Blocked Bridge

Retaining Wall Type:

Other

Confined Space
 Bridge Lighting
 Cat Walk
 Navigational Lighting
 Signs Attached

General Notes

Inspector: Edwards, Carl
Inspection Date: 05/16/2023

Structure Number: 3041
Facility Carried: CROCKETT RIDGE RD

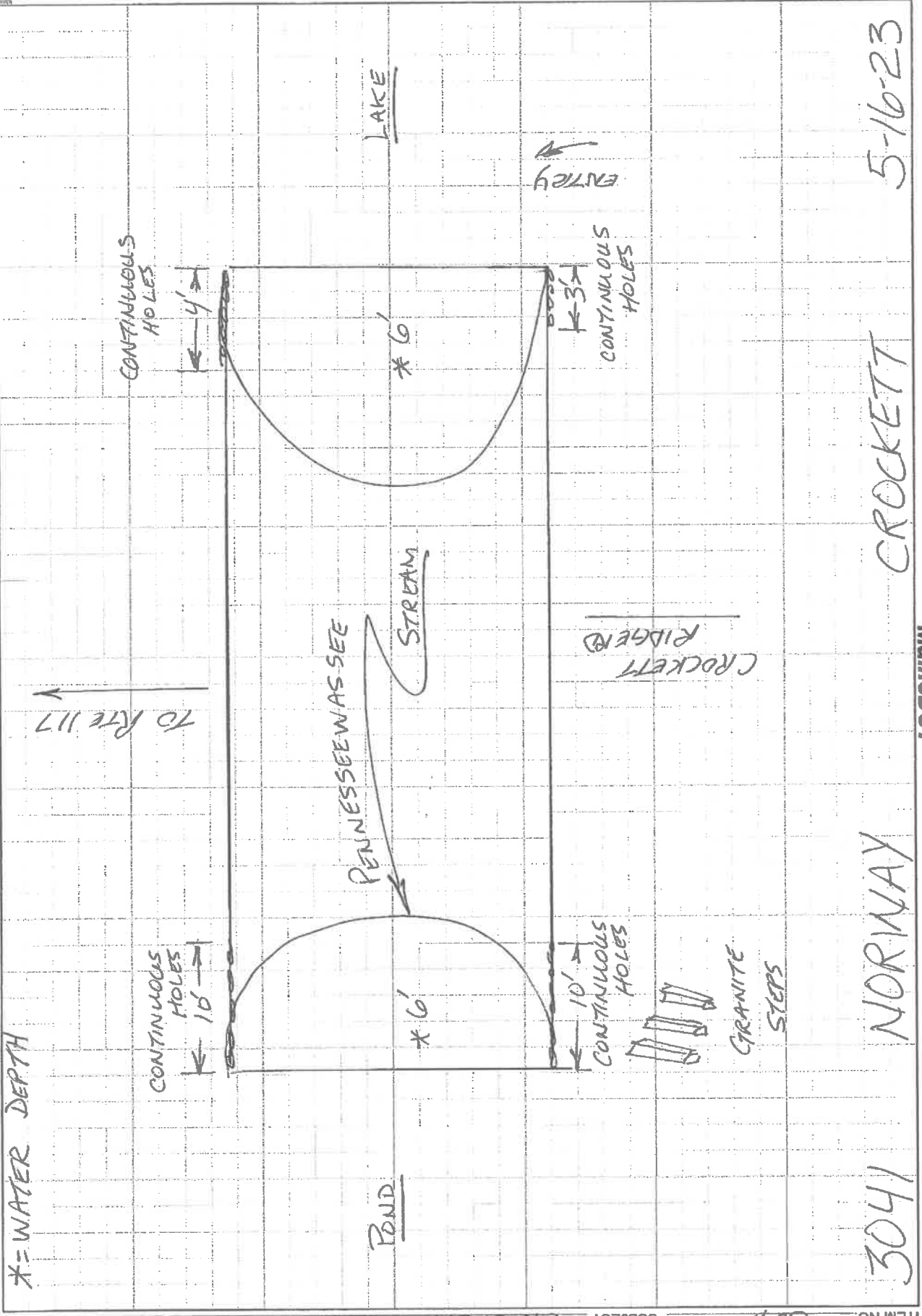
Highway Bridge Inspection Report

Bridge Preservation

Bridge #: 3041
Bridge Name: CROCKETT
Owner: 03 - Town or Township Highway Agency
Co-Owner: N Not applicable
Region: 03 - Western

Town1: Norway
Town2:
Maintainer: 03 - Town or Township Highway Agency
Co-Maintainer: N Not applicable

Deck			Common Preservation		
<u>NBI Deck Information:</u>		<u>Wearing Surface:</u>		<u>Paint Information:</u>	
Deck Type	N - Not Applicable	Type	N - NA	Type	<input type="checkbox"/> Installed
Deck Protection	N - NA	Last Date		Last Date	<input type="checkbox"/> Detached
Membrane Type	N - NA	Lifespan (Yrs)		Lifespan (Yrs)	<input type="checkbox"/> Replace
		Next Date Est.	0	Next Date Est.	0
		Mill & Fill Date			
Superstructure					
<u>Beam Ends Paint:</u>	<u>Bearings Paint:</u>	<u>Bearings Lubrication:</u>	<u>Concrete-Silane:</u>	<u>Washing:</u>	
Last Date	Last Date	Last Date	Last Date	<input type="checkbox"/> Required	
Next Date Est.	Next Date Est.	Next Date Est.	Next Date Est.	<input type="checkbox"/> UBIT	
<u>Beam Ends Fluid Film:</u>	<u>Bearings Fluid Film:</u>	<u>Treatment:</u>	<u>Concrete-Linseed</u>		
Last Date	Last Date	<input type="checkbox"/> Core 10	Last Date		
Next Date Est.	Next Date Est.	<input type="checkbox"/> Galvanized	Next Date Est.		
		<input type="checkbox"/> Metalized	<input type="checkbox"/> Alkali-Silica reactivity		
Substructure					
General Notes					



* = WATER DEPTH

MaineDOT

MaineDOT

5-16-23

CROCKETT

NORWAY

3041

APPENDIX B

MaineDOT Bridge Report for Town of Norway

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Norway
 Town
 Bridge Name YORK MILL
 Bridge Number 0681
 Feature On WILEY RD
 Feature Under MEADOW BROOK
 Bridge Road Width (Feet) 0

Town2
 Location 0.3 MI N RT 118
 Route Number 1700483
 Bridge Region 3 - Western Region
 Border Bridge
 Bridge or Minor Span
 Bridge on Townway or State Aid Road

CLASSIFICATION

Owner MaineDOT
 Maximum Span Length (Feet) 23.6

Maintainer MaineDOT
 Federal Bridge Indicator Y

DECK AND CONDITION

Deck Condition N - Not Applicable
 Superstructure Condition N - Not Applicable
 Substructure Condition N - Not Applicable

Culvert Condition 5 - Moderate to major deterioration
 Channel Condition 6 - Bank slump, widespread minor damage
 Approach Condition 4 - Meets minimum tolerable limits to be left in place as is
 Annual Average Daily Traffic 278

SPECTION AND APPRAISAL

Date of Inspection 11/4/2021

Federal Sufficiency Rating 86

STRUCTURE TYPE AND MATERIAL

Span Material Steel
 Number of Main Spans 1

Span Type Culvert (includes frame culverts)

LOAD RATING AND POSTING

Posting Status Open

POSTING TYPE
 4-Axle
 One-Truck
 Spacing

Posted Weight (Tons)

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF NORWAY

[Link to Map Viewer](#)

IDENTIFICATION

Norway
 Town FRENCH
 Bridge Name FRENCH
 Bridge Number 0683
 Feature On MORSE RD
 Feature Under HERRICK BROOK
 Bridge Road Width (Feet) 20

Town2
 Location 2.2 MI N RTE 118
 Route Number 1700492
 Bridge Region 3 - Western Region
 Border Bridge
 Bridge or Minor Span Minor Span on Town Way

CLASSIFICATION

Owner Municipality
 Maximum Span Length (Feet) 11

Maintainer Municipality
 Federal Bridge Indicator N

STATE AND CONDITION

Deck Condition 7 - Good Condition (some minor problems)
 Superstructure Condition 7 - Good Condition (some minor problems)
 Substructure Condition 4 - Poor Condition (advanced deterioration)
 Year Built 1983

Culvert Condition N - Not Applicable
 Channel Condition 5 - Bank eroded.. major damage
 Approach Condition 8 - Equal to present desirable criteria
 Annual Average Daily Traffic 34

SPECTION AND APPRAISAL

Date of Inspection 11/4/2021

Federal Sufficiency Rating 69

STRUCTURE TYPE AND MATERIAL

Span Material Steel
 Number of Main Spans 1

Span Type Stringer/Multi-beam or Girder

LOAD RATING AND POSTING

Posting Status Open
POSTING TYPE
 4-Axle
 One-Truck
 Spacing

Posted Weight (Tons)

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

<p>Town Norway</p> <p>Bridge Name FROST CORNER</p> <p>Bridge Number 0685</p> <p>Feature On SODOM RD</p> <p>Feature Under CROOKED RIVER</p> <p>Bridge Road Width (Feet) 20</p>	<p>Town2 Waterford</p> <p>Location 85 FT EAST OF TOWNLINE</p> <p>Route Number 1700504</p> <p>Bridge Region 3 - Western Region</p> <p>Border Bridge Bridge on Townway or State Aid Road</p>
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CLASSIFICATION

Owner MaineDOT	Maintainer MaineDOT
Maximum Span Length (Feet) 59	Federal Bridge Indicator Y

DECK AND CONDITION

Deck Condition 7 - Good Condition (some minor problems)	Culvert Condition N - Not Applicable
Superstructure Condition 6 - Satisfactory Condition (minor deterioration)	Channel Condition 3 - Protection failure
Substructure Condition 6 - Satisfactory Condition (minor deterioration)	Approach Condition 8 - Equal to present desirable criteria
Year Built 1982	Annual Average Daily Traffic 278

SPECTION AND APPRAISAL

Date of Inspection 6/2/2022	Federal Sufficiency Rating 73.3
---------------------------------------	---

STRUCTURE TYPE AND MATERIAL

Span Material Steel	Span Type Stringer/Multi-beam or Girder
Number of Main Spans 1	

LOAD RATING AND POSTING

Posting Status Open	Posted Weight (Tons)
POSTING TYPE 4-Axle One-Truck Spacing	

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Town	Norway	Town2	
Bridge Name	BIRD BROOK	Location	0.4 MI N'LY OF ROUTE 117
Bridge Number	0745	Route Number	1700900
Feature On	COTTAGE ST	Bridge Region	3 - Western Region
Feature Under	BIRD BROOK	Border Bridge	
Bridge Road Width (Feet)	31	Bridge or Minor Span	Bridge on Townway or State Aid Road

CLASSIFICATION

Owner	MaineDOT	Maintainer	MaineDOT
Maximum Span Length (Feet)	23	Federal Bridge Indicator	Y

STATE AND CONDITION

Deck Condition	6 - Satisfactory Condition (minor deterioration)	Culvert Condition	N - Not Applicable
Superstructure Condition	6 - Satisfactory Condition (minor deterioration)	Channel Condition	7 - Bank protection needs minor repairs
Substructure Condition	6 - Satisfactory Condition (minor deterioration)	Approach Condition	8 - Equal to present desirable criteria
Year Built	1977	Annual Average Daily Traffic	833

SPECTION AND APPRAISAL

Date of Inspection	10/12/2022	Federal Sufficiency Rating	95.7
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STRUCTURE TYPE AND MATERIAL

Span Material	Concrete continuous	Span Type	Slab
Number of Main Spans	2		

LOAD RATING AND POSTING

Posting Status	Open	Posted Weight (Tons)	
POSTING TYPE	4-Axle		
	One-Truck		
	Spacing		

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Town Norway
 Bridge Name BEAL STREET
 Bridge Number 0796
 Feature On BEAL ST
 Feature Under TANNERY BROOK
 Bridge Road Width (Feet) 32

Town2
 Location 0.1 MIE COTTAGE ST
 Route Number 1701626
 Bridge Region 3 - Western Region
 Border Bridge
 Bridge or Minor Span Minor Span on Town Way

CLASSIFICATION

Owner Municipality
 Maximum Span Length (Feet) 20

Maintainer Municipality
 Federal Bridge Indicator N

DECK AND CONDITION

Deck Condition 4 - Poor Condition (advanced deterioration)
 Superstructure Condition 6 - Satisfactory Condition (minor deterioration)
 Substructure Condition 6 - Satisfactory Condition (minor deterioration)
 Year Built 2004

Culvert Condition N - Not Applicable
 Channel Condition 8 - Banks are protected
 Approach Condition 8 - Equal to present desirable criteria
 Annual Average Daily Traffic 2826

SPECTION AND APPRAISAL

Date of Inspection 11/4/2021

Federal Sufficiency Rating 91.6

STRUCTURE TYPE AND MATERIAL

Span Material Steel
 Number of Main Spans 1

Span Type Stringer/Multi-beam or Girder

LOAD RATING AND POSTING

Posting Status Open

POSTING TYPE
 4-Axle
 One-Truck
 Spacing

Posted Weight (Tons)

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Norway
 Town LYNN STREET
 Bridge Name
 Bridge Number 0797
 Feature On LYNN ST
 Feature Under TANNERY BROOK
 Bridge Road Width (Feet) 24

Town2
 Location 0.1MI N RT 117
 Route Number 1701617
 Bridge Region 3 - Western Region
 Border Bridge
 Bridge or Minor Span Minor Span on Town Way

CLASSIFICATION

Owner Municipality
 Maximum Span Length (Feet) 20

Maintainer Municipality
 Federal Bridge Indicator N

STATE AND CONDITION

Deck Condition 7 - Good Condition (some minor problems)
 Superstructure Condition 7 - Good Condition (some minor problems)
 Substructure Condition 6 - Satisfactory Condition (minor deterioration)
 Year Built 1920

Culvert Condition N - Not Applicable
 Channel Condition 5 - Bank eroded.. major damage
 Approach Condition 8 - Equal to present desirable criteria
 Annual Average Daily Traffic 1203

SPECTION AND APPRAISAL

Date of Inspection 11/4/2021

Federal Sufficiency Rating 70.7

STRUCTURE TYPE AND MATERIAL

Span Material Steel
 Number of Main Spans 1

Span Type Stringer/Multi-beam or Girder

LOAD RATING AND POSTING

Posting Status Open
 POSTING TYPE
 4-Axle
 One-Truck
 Spacing

Posted Weight (Tons)

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Norway	Town2
HORNE STREET	Location
0798	Route Number
HORNE ST	Bridge Region
PENNESSEWASSEE STREAM	Border Bridge
22	Bridge or Minor Span
	Bridge on Townway or State Aid Road

CLASSIFICATION

Owner	Maintainer
MaineDOT	MaineDOT
29	Federal Bridge Indicator
	Y

DECK AND CONDITION

Deck Condition	Culvert Condition
7 - Good Condition (some minor problems)	N - Not Applicable
Superstructure Condition	Channel Condition
7 - Good Condition (some minor problems)	5 - Bank eroded.. major damage
Substructure Condition	Approach Condition
2 - Critical Condition (advance loss to primary structure, may close bridge)	8 - Equal to present desirable criteria
Year Built	Annual Average Daily Traffic
1921	350

SPECTION AND APPRAISAL

Date of Inspection	Federal Sufficiency Rating
3/29/2022	24

STRUCTURE TYPE AND MATERIAL

Span Material	Span Type
Steel	Stringer/Multi-beam or Girder
Number of Main Spans	
1	

LOAD RATING AND POSTING

Posting Status	Posted Weight (Tons)
Open	
POSTING TYPE	
4-Axle	
One-Truck	
Spacing	

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Norway
 Town Name GREENLEAF
 Bridge Number 0799
 Feature On GREENLEAF AV
 Feature Under PENNESEEWASSEE STREAM
 Bridge Road Width (Feet) 24

Town2
 Location 500 FT S ROUTE 117
 Route Number 1701618
 Bridge Region 3 - Western Region
 Border Bridge
 Bridge or Minor Span Bridge on Townway or State Aid Road

CLASSIFICATION

Owner MaineDOT
 Maximum Span Length (Feet) 25

Maintainer MaineDOT
 Federal Bridge Indicator Y

DECK AND CONDITION

Deck Condition 7 - Good Condition (some minor problems)
 Superstructure Condition 7 - Good Condition (some minor problems)
 Substructure Condition 5 - Fair Condition (minor section loss)
 Year Built 1921

Culvert Condition N - Not Applicable
 Channel Condition 5 - Bank eroded.. major damage
 Approach Condition 8 - Equal to present desirable criteria
 Annual Average Daily Traffic 514

SPECTION AND APPRAISAL

Date of Inspection 3/29/2022

Federal Sufficiency Rating 74.9

STRUCTURE TYPE AND MATERIAL

Span Material Steel
 Number of Main Spans 1

Span Type Stringer/Multi-beam or Girder

LOAD RATING AND POSTING

Posting Status Open
 POSTING TYPE
 4-Axle
 One-Truck
 Spacing

Posted Weight (Tons)

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF NORWAY

[Link to Main Viewer](#)

IDENTIFICATION

Norway	Town2
BRIDGE STREET	Location
0801	Route Number
PIKES HL	Bridge Region
PENNESSEEWASSEE STREAM	Border Bridge
38	Bridge or Minor Span
	Bridge on Townway or State Aid Road

CLASSIFICATION

Owner	Maintainer	MaineDOT
43	Federal Bridge Indicator	Y

DECK AND CONDITION

Deck Condition	Culvert Condition
7 - Good Condition (some minor problems)	Channel Condition
7 - Good Condition (some minor problems)	Approach Condition
8 - Very Good Condition (no problems noted)	Annual Average Daily Traffic
2004	1275

SPECTION AND APPRAISAL

Date of Inspection	Federal Sufficiency Rating
10/12/2022	98

STRUCTURE TYPE AND MATERIAL

Span Material	Span Type
Prestressed concrete	Slab
Number of Main Spans	
1	

LOAD RATING AND POSTING

Posting Status	Posted Weight (Tons)
Open	
POSTING TYPE	
4-Axle	
One-Truck	
Spacing	

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Town Norway
 Bridge Name PLEASANT STREET
 Bridge Number 2677
 Feature On MAIN ST
 Feature Under PENNESSEEWASSEE STREAM
 Bridge Road Width (Feet) 42

Town2
 Location .7 MI W'LY BEGIN RTE 118
 Route Number 0117X
 Bridge Region 3 - Western Region
 Border Bridge
 Bridge or Minor Span Bridge on State Highway

CLASSIFICATION

Owner MaineDOT
 Maximum Span Length (Feet) 43

Maintainer MaineDOT
 Federal Bridge Indicator Y

DECK AND CONDITION

Deck Condition 9 - Excellent Condition
 Superstructure Condition 6 - Satisfactory Condition (minor deterioration)
 Substructure Condition 6 - Satisfactory Condition (minor deterioration)
 Year Built 1964

Culvert Condition N - Not Applicable
 Channel Condition 7 - Bank protection needs minor repairs
 Approach Condition 8 - Equal to present desirable criteria
 Annual Average Daily Traffic 9617

SPECTION AND APPRAISAL

Date of Inspection 1/12/2022

Federal Sufficiency Rating 83.7

STRUCTURE TYPE AND MATERIAL

Span Material Steel
 Number of Main Spans 1

Span Type Stringer/Multi-beam or Girder

LOAD RATING AND POSTING

Posting Status Open

POSTING TYPE
 4-Axle
 One-Truck
 Spacing

Posted Weight (Tons)

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Town Norway
 Bridge Name STEEP FALLS
 Bridge Number 2802
 Feature On MAIN ST
 Feature Under PENNESSEWASSEE OUTLET
 Bridge Road Width (Feet) 40

Town2
 Location .5 MI S OF W'LY JCT 117
 Route Number 0026X
 Bridge Region 3 - Western Region
 Border Bridge
 Bridge or Minor Span Bridge on State Highway

CLASSIFICATION

Owner MaineDOT
 Maximum Span Length (Feet) 34

Maintainer MaineDOT
 Federal Bridge Indicator Y

DECK AND CONDITION

Deck Condition 7 - Good Condition (some minor problems)
 Superstructure Condition 7 - Good Condition (some minor problems)
 Substructure Condition 7 - Good Condition (some minor problems)
 Year Built 1938

Culvert Condition N - Not Applicable
 Channel Condition 6 - Bank slump, widespread minor damage
 Approach Condition 8 - Equal to present desirable criteria
 Annual Average Daily Traffic 16283

SPECTION AND APPRAISAL

Date of Inspection 3/15/2021

Federal Sufficiency Rating 60

STRUCTURE TYPE AND MATERIAL

Span Material Steel
 Number of Main Spans 1

Span Type Stringer/Multi-beam or Girder

LOAD RATING AND POSTING

Posting Status Open

POSTING TYPE
 4-Axle
 One-Truck
 Spacing

Posted Weight (Tons)

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Town Norway
 Bridge Name LOMBARD
 Bridge Number 3035
 Feature On HARRISON RD
 Feature Under GREELY BROOK
 Bridge Road Width (Feet) 27

Town2
 Location 1.2MPE*TOWNLINE
 Route Number 0117X
 Bridge Region 3 - Western Region
 Border Bridge
 Bridge or Minor Span Minor Span on State Highway

CLASSIFICATION

Owner MaineDOT
 Maximum Span Length (Feet) 15

Maintainer MaineDOT
 Federal Bridge Indicator N

STATE AND CONDITION

Deck Condition 5 - Fair Condition (minor section loss)
 Superstructure Condition 5 - Fair Condition (minor section loss)
 Substructure Condition 5 - Fair Condition (minor section loss)
 Year Built 1933

Culvert Condition N - Not Applicable
 Channel Condition 5 - Bank eroded.. major damage
 Approach Condition 8 - Equal to present desirable criteria
 Annual Average Daily Traffic 3607

SPECTION AND APPRAISAL

Date of Inspection 3/30/2020

Federal Sufficiency Rating 41.8

STRUCTURE TYPE AND MATERIAL

Span Material Concrete
 Number of Main Spans 1

Span Type Slab

LOAD RATING AND POSTING

Posting Status Open

POSTING TYPE
 4-Axle
 One-Truck
 Spacing

Posted Weight (Tons)

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Town Norway
 Bridge Name CROCKETT
 Bridge Number 3041
 Feature On CROCKETT RIDGE RD
 Feature Under PENNESSEEWASSEE STREAM
 Bridge Road Width (Feet) 0

Town2
 Location 2 MI W TOWNLINE
 Route Number 1700505
 Bridge Region 3 - Western Region
 Border Bridge
 Bridge or Minor Span Minor Span on Town Way

CLASSIFICATION

Owner Municipality
 Maximum Span Length (Feet) 15

Maintainer Municipality
 Federal Bridge Indicator N

DECK AND CONDITION

Deck Condition N - Not Applicable
 Superstructure Condition N - Not Applicable
 Substructure Condition N - Not Applicable
 Year Built 1950

Culvert Condition 3 - As in 4 but excessive
 Channel Condition 7 - Bank protection needs minor repairs
 Approach Condition 5 - Somewhat better than minimum adequacy to tolerate being left in place as is
 Annual Average Daily Traffic 492

SPECTION AND APPRAISAL

Date of Inspection 3/28/2022

Federal Sufficiency Rating 44.1

STRUCTURE TYPE AND MATERIAL

Span Material Steel
 Number of Main Spans 1

Span Type Culvert (includes frame culverts)

LOAD RATING AND POSTING

Posting Status Open

POSTING TYPE
 4-Axle
 One-Truck
 Spacing

Posted Weight (Tons)

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Town Norway
 Bridge Name TANNERY BROOK
 Bridge Number 3610
 Feature On MAIN ST
 Feature Under TANNERY (BIRD) BROOK
 Bridge Road Width (Feet) 41

Town2
 Location 0.15 MI W'LY JCT RTE 118
 Route Number 0117X
 Bridge Region 3 - Western Region
 Border Bridge
 Bridge or Minor Span Minor Span on State Highway

CLASSIFICATION

Owner MaineDOT
 Maximum Span Length (Feet) 9

Maintainer MaineDOT
 Federal Bridge Indicator Y

DECK AND CONDITION

Deck Condition 4 - Poor Condition (advanced deterioration)
 Superstructure Condition 4 - Poor Condition (advanced deterioration)
 Substructure Condition 4 - Poor Condition (advanced deterioration)
 Year Built 1929

Culvert Condition N - Not Applicable
 Channel Condition 6 - Bank slump, widespread minor damage
 Approach Condition 8 - Equal to present desirable criteria
 Annual Average Daily Traffic 11262

SPECTION AND APPRAISAL

Date of Inspection 12/9/2022

Federal Sufficiency Rating 49.8

STRUCTURE TYPE AND MATERIAL

Span Material Concrete continuous
 Number of Main Spans 2

Span Type Slab

LOAD RATING AND POSTING

Posting Status Open

POSTING TYPE

4-Axle
 One-Truck
 Spacing

Posted Weight (Tons)

MAINE PUBLIC BRIDGE STRUCTURES IN THE MUNICIPALITY OF Norway

[Link to Map Viewer](#)

IDENTIFICATION

Town Norway
 Bridge Name HOLT
 Bridge Number 5090
 Feature On WATERFORD RD
 Feature Under Meadow Brook
 Bridge Road Width (Feet) 24

Town2
 Location 0.5 MI NE OF JCT TL.
 Route Number 0118X
 Bridge Region 3 - Western Region
 Border Bridge
 Bridge or Minor Span Bridge on State Highway

CLASSIFICATION

Owner MaineDOT
 Maximum Span Length (Feet) 20

Maintainer MaineDOT
 Federal Bridge Indicator Y

DECK AND CONDITION

Deck Condition 5 - Fair Condition (minor section loss)
 Superstructure Condition 5 - Fair Condition (minor section loss)
 Substructure Condition 6 - Satisfactory Condition (minor deterioration)
 Year Built 1924

Culvert Condition N - Not Applicable
 Channel Condition 6 - Bank slump, widespread minor damage
 Approach Condition 6 - Equal to present minimum criteria
 Annual Average Daily Traffic 3380

SPECTION AND APPRAISAL

Date of Inspection 6/2/2022

Federal Sufficiency Rating 60.2

STRUCTURE TYPE AND MATERIAL

Span Material Concrete
 Number of Main Spans 1

Span Type Slab

LOAD RATING AND POSTING

Posting Status Open

POSTING TYPE
 4-Axle
 One-Truck
 Spacing

Posted Weight (Tons)

APPENDIX C

Emergency Action Plan (EAP) for Norway Lake Dam

EMERGENCY ACTION PLAN (EAP)

FOR

Norway Lake Dam

**MEMA #651
NID# ME00017**

**LOCATION: Norway, Oxford County, MAINE
COORDINATES: 44° 12' 48" N 070° 32' 46" W**

OWNED BY: TOWN OF NORWAY

Date Update: 2/15/2023

Expires: 2/15/2025

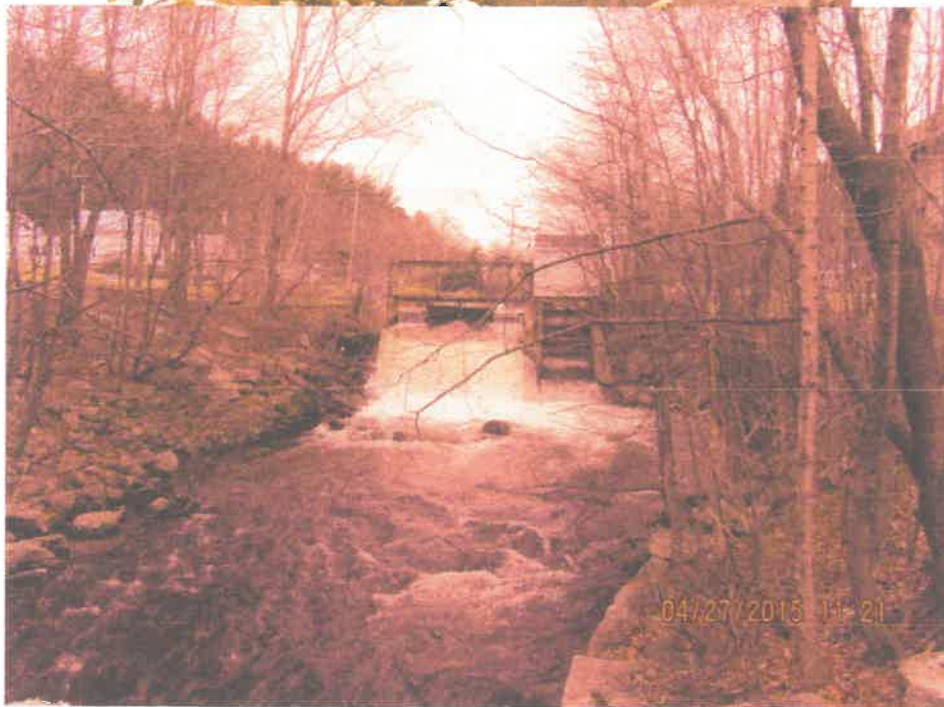
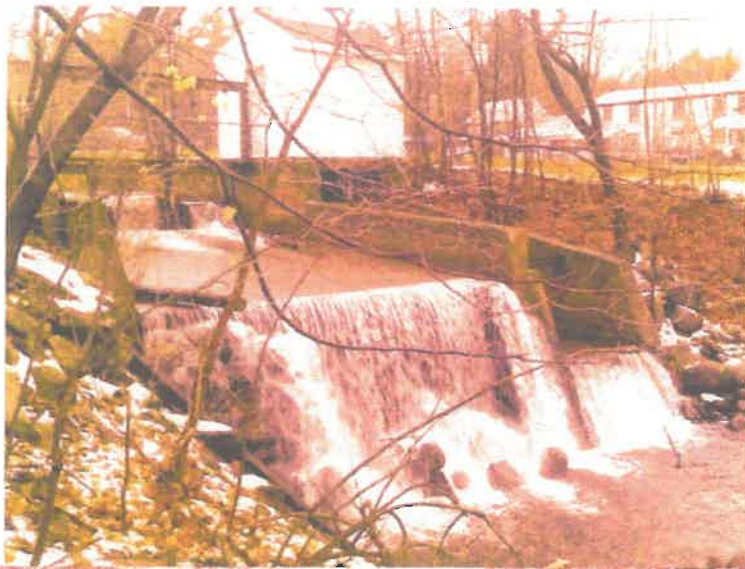


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VIII. Inundation Map..... 11

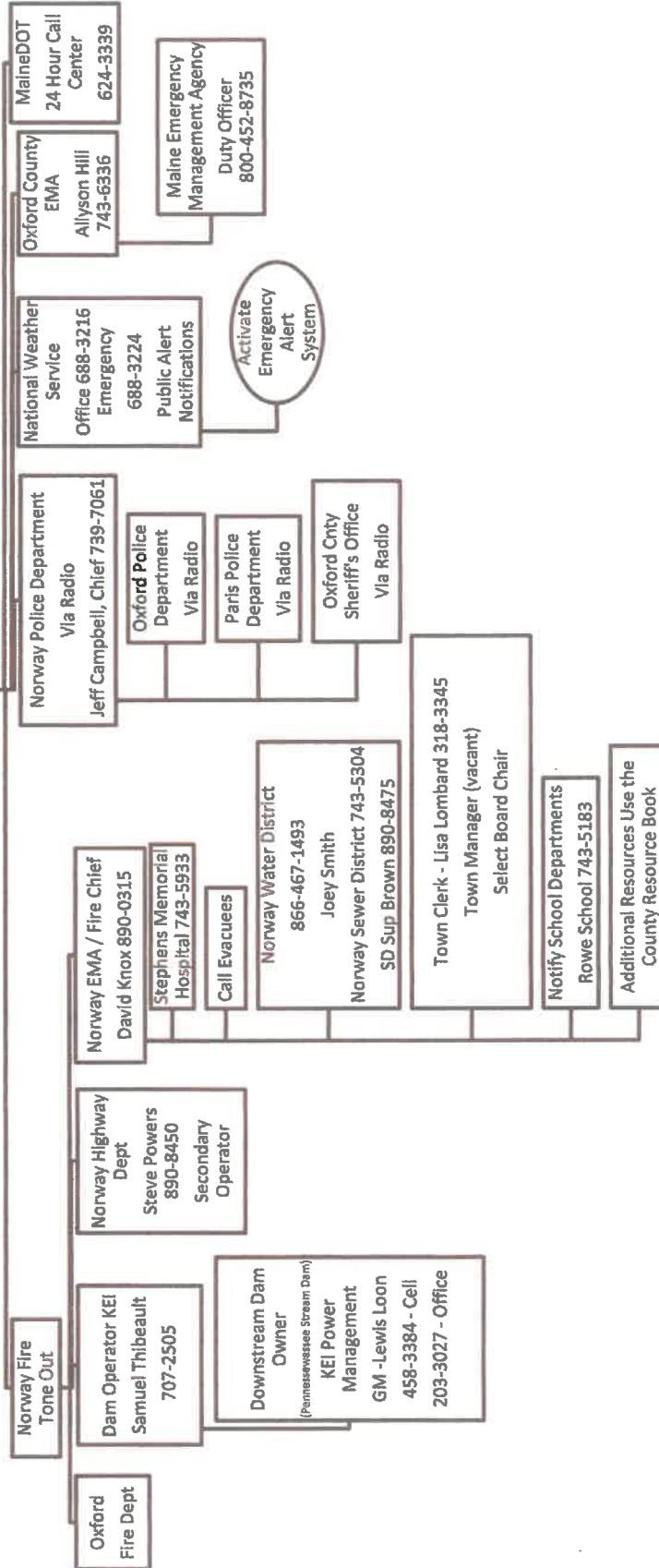
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NOTIFICATION FLOW CHART

MESSAGE: Hello, this is (name) and this is an emergency. The Norway/Hobbs Pond Dam in Norway has failed/is falling. Please activate your Alert/Notification List and EAP procedures.
THIS IS NOT A DRILL.

Observer Reports
 9-1-1 Dispatch
 Oxford County RCC
 743-9554 ext 102



II. PURPOSE & DISTRIBUTION

1. Purpose

The sudden release of water stored behind the Norway Lake Dam is a potential hazard for downstream inhabitants and property. To minimize the chances for loss of life and damage to property, it is important to respond quickly to a potentially hazardous situation and to provide a coordinated effort that clearly assigns major areas of responsibility.

The first few minutes following an actual or impending failure often make the difference between disjointed and ineffective actions and a coordinated and effective response.

This plan is intended to outline a coordinated and effective emergency response. It is essential that the proper organizations and agencies be notified on a timely basis so that properly trained people can perform the functions they are qualified to do. Local responders have been involved in the development of this plan, and it is exercised periodically.

2. Distribution

a. The Notification Flow Chart must be prominently posted at the dam site to facilitate use by observers equipped with cellular telephones or radios.

b. The Notification Flow Chart must be prominently posted within the first downstream inhabitant, structure, or facility equipped with a telephone and (owner):

1. A residence on Water Street
2. The Maine Health Center
3. Five businesses on Main Street
4. Two residences on Greenleaf Avenue
5. A residence on Horne Street
6. Aubuchon Hardware

c. This Emergency Action Plan will be distributed to each of the following persons or agencies as a minimum:

1. Norway Fire Department
2. Norway Town Office
3. KEI Power Management – Lewis Loon
4. Oxford County Emergency Management Agency
5. Maine Emergency Management Agency
6. Dam Operator – Samuel Thibeault

7. Oxford County Regional Communications Center (911 Dispatch)
8. National Weather Service – Gray, ME
9. Norway Police Department
10. Norway Highway Department

III. PROJECT DESCRIPTION & IMPACT

- Identification: Norway Lake Dam, MEMA ID #651, NID# 00017, Located at 44:21 Latitude; 70:55 Longitude on Lake Penneesseewassee or Norway Lake, year built 1930, Last known significant maintenance 1993.
 - A. Impoundment: Total drainage area of 2 square miles. Watershed contributing to this dam is characterized by gentle slope terrain. Soils are generally not drained in this area.
 - B. Physical properties: Dam consists of concrete and timber crib construction design with control gates and a 30-foot spillway. It is 30feet long and 12 feet high.
 - C. Downstream characteristics: The risk for damage to homes and businesses located on: Water Street, Greenleaf Avenue, Horne St., and possibly Pikes Hill area. Specifically, businesses: Aubuchon Hardware and The Advertiser Democrat.

IMPACTED AREA: See Inundation Map on page 11.

Downstream roads, bridges, houses and buildings

BUILDINGS			
Type	Owner/Occupant	Telephone #	Address
Residence	Wayne Field		12 Water Street
Business	Maine Health Center		8 Pikes Hill Road
Business	Café Nomad	739-2249	450 Main Street
Business	Advertiser Democrat		220 Main Street
Business	Snips	739-2288	436 Main Street
Business	Books N Things	739-6200	430 Main Street
Business	Norway Savings Bank		356 Main Street
Residence	Nathan Towne		40 Greenleaf Avenue
Residence	Henry Grenier		34 Greenleaf Avenue
Residence	Paul & Bethany Allen	954-9471	19 Horne Street
Business	Aubuchon Hardware	743-5072	138 Main Street

INFRASTRUCTURE			
Route	Type	Owner	Description
Pedestrian Bridge	Bridge	Town of Norway	
Pikes Hill Road	Road	Town of Norway	
Pikes Hill Bridge	Bridge	Town of Norway	
Greenleaf Avenue	Road	Town of Norway	
Greenleaf Avenue Bridge	Bridge	Town of Norway	
Horne Street	Road	Town of Norway	
Main Street (Route 26)	Road	Maine DOT	
Steep Falls Bridge	Bridge	Maine DOT	

Subject to change/expand with data from previous flooding

IV. EMERGENCY CONDITIONS

An emergency means breaches and all conditions leading to or causing a breach, overtopping and any other condition in a dam and its appurtenant structures that may be construed as unsafe or threatening to life and property. The prominent causes of dam failure emergencies include: Earthquake, landslide - generated wave, extreme storm, piping, equipment malfunction, structural damage and/or deterioration, foundation failure, and sabotage.

The causes of emergencies may not all be pertinent to a given structure. The type of dam, topography, geology, design features, and age are all important considerations that need evaluation relative to the possibility and cause of failure.

At least two types of dam failures are possible that could trigger an emergency condition. Normal and Adverse Conditions.

A Normal Conditions dam failure could occur with the reservoir at normal full pond elevation and with a normal river flow prevailing. This type of failure could occur with very little warning, and for this reason, is generally considered to have the most potential for loss of human life.

A second type of dam failure could occur during a flood flow condition that is commonly referred to as the Adverse Conditions. The Adverse Conditions is the flood that may be expected from the most severe combination of critical meteorological and hydrologic conditions that are reasonably possible in the drainage basin. The PMF (Probably Maximum Flood) is the upper limit for determining the inflow design flood (IDF). The IDF is the flood condition above which failure of an impounding structure has an insignificant effect on downstream flooding. A failure at the IDF is considered to show the upper limit of inundation.

V. EAP ACTIVATION

“Activation Levels” for State Regulated Dams

EAP Activation - Level 1 (READY) – EAP agreed and functional. The EAP will always be activated to this Level 1. Owner must test communication on an ongoing basis. Any changes to the document must be made immediately. **(Use EAP Agreement Form next page)**

EAP Activation – Level 2 (SET) – Any developing situation which threatens the integrity of the dam. Level 2 activation must place the dam under watch (surveillance). The tipping point to a Level 2 activation of the EAP should be anything, which in the opinion of the dam owner or observer, which could lead to dam failure.

Triggers -gate failure, blocked spillway (debris or ice), misoperation, developing defect, flood warning, continuing heavy rain, an earthquake, ground movement or developing seepage

EAP Activation – Level 3 (GO) – this is when a dam emergency is declared and people are evacuated. Here the dam must be failing or about to fail. The incident can be a development from Level 2, the dam actually breaching or overtopping.

EAP Activation - Level 1

EAP AGREEMENT FORM

By my signature, I acknowledge that I, or my representative, have reviewed this plan and concur with the tasks and responsibilities assigned herein for me and my organization.

1.  (Feb 28, 2023 07:15 EST) Feb 28, 2023

Signature Organization Date

Printed Name and Title: *Dam Owner – Town of Norway*

2.  (Mar 1, 2023 07:43 EST) Mar 1, 2023

Signature Organization Date

Printed Name and Title: *Oxford County RCC*

3.  (Mar 1, 2023 08:32 EST) Mar 1, 2023

Signature Organization Date

Printed Name and Title: *Norway Fire*

4.  (Mar 9, 2023 08:24 EST) Mar 9, 2023

Signature Organization Date

Printed Name and Title: *Norway Police*

5.  Feb 28, 2023

Signature Organization Date

Printed Name and Title: *Oxford County EMA*

6.  (Mar 9, 2023 12:47 EST) Mar 9, 2023

Signature Organization Date

Printed Name and Title: *Norway Highway Department*

7.  (Mar 9, 2023 14:32 EST) Mar 9, 2023

Signature Organization Date

Printed Name and Title: *Dam Operator – KEI Samuel Thibeault*

8.  (Mar 9, 2023 15:26 EST) Mar 9, 2023

Signature Organization Date

Printed Name and Title: *Norway Water and/or Sewer District*

VI. TERMINATION

Whenever the EAP has been activated, an emergency level has been declared, all EAP actions have been completed, and the emergency is over, the EAP operations must eventually be terminated and follow-up procedures completed.

Termination Responsibilities

The EMA Director is responsible for terminating EAP operations and relaying this decision to the owner. It is then the responsibility of each person to notify the same group of contacts that he or she notified during the original event notification process to inform those people that the event has been terminated.

Prior to termination the owner should inspect the dam (in coordination with a professional engineer) to determine whether any damage has occurred that could potentially result in loss of life, injury, or property damage. If it is determined that conditions do not pose a threat to people or property, the owner's engineer may advise the town, city or county official to terminate EAP operations as describe above.

The owner shall document the emergency event and assure all actions were taken. The owner shall provide documentation to the Maine Emergency Management Agency.

VII. MAINTENANCE – EAP REVIEW AND REVISION

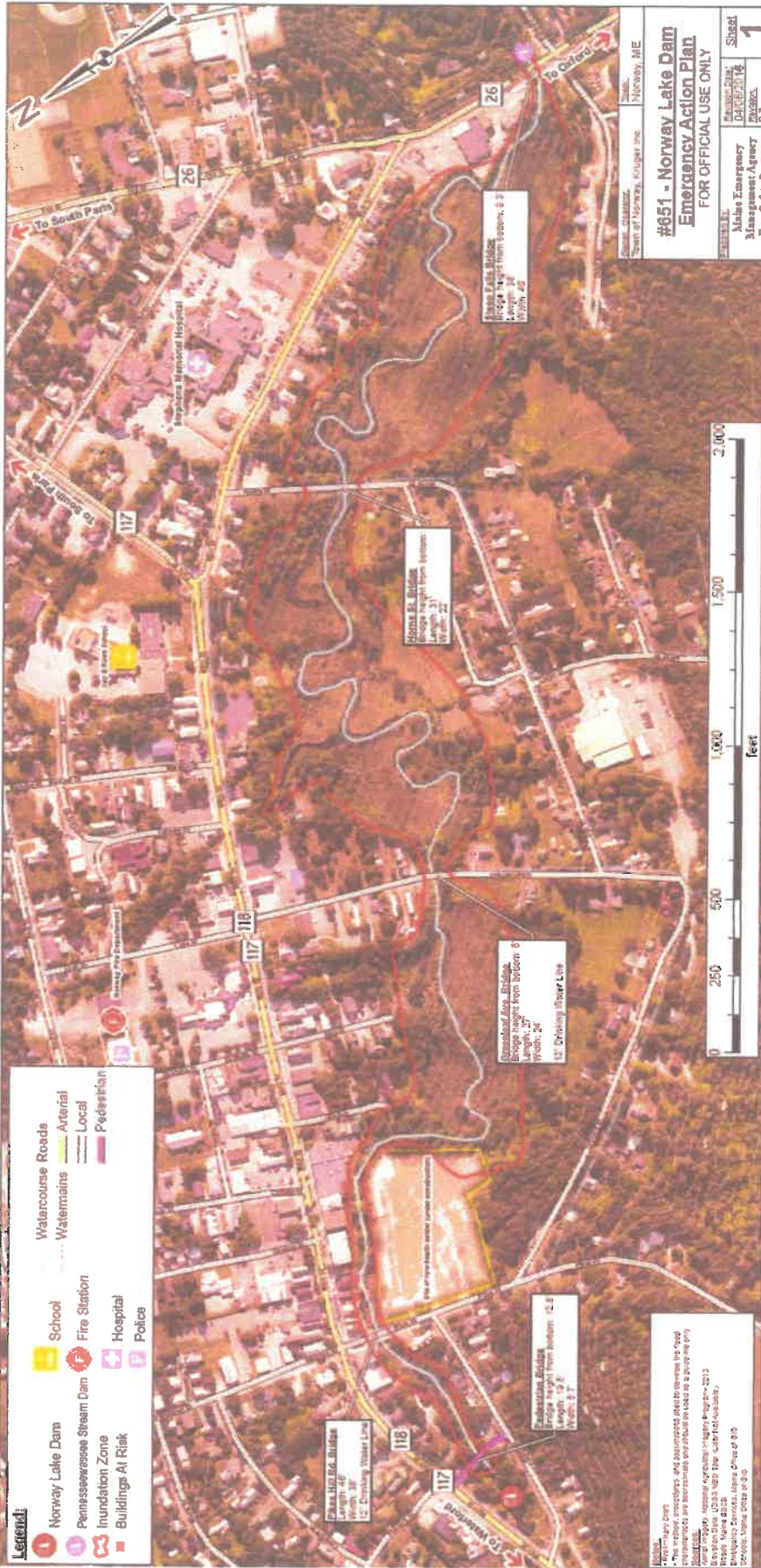
EAP Annual Review

The owner will review and, if necessary, update the EAP at least once each year. The EAP annual review will include the following:

1. Calling all contacts on the notification flowchart in the EAP to verify that the phone numbers and persons in the specified positions are current, The EAP will be revised if any of the contacts have changed.
2. Contacting the local law enforcement agency to verify the phone number and persons in the specified positions. In addition, the owner will ask if the person contacted knows where the EAP is kept and if responsibilities as described in the EAP are understood
3. Call the locally available resources to verify that the phone numbers, addresses, and services are current.

7.III. INUNDATION MAP

- Legend:**
- Norway Lake Dam
 - Pennesseesse Stream Dam
 - Inundation Zone
 - Buildings At Risk
 - Watercourse Roads
 - Watermains
 - Arterial
 - Local
 - Pedestrian
 - School
 - Fire Station
 - Hospital
 - Police



Pittsburg Bridge
 Bridge height from bottom of
 length: 27'
 width: 22'

Adams Ave. Bridge
 Bridge height from bottom of
 length: 27'
 width: 24'

Jones St. Bridge
 Bridge height from bottom of
 length: 21'
 width: 22'

Jones Falls Bridge
 Bridge height from bottom of
 length: 42'
 width: 42'

Notes:

- This is a preliminary map and does not represent the final engineering and construction details.
- The inundation zones are approximate and should not be used as a basis for any engineering or construction work.
- For more information, contact the project engineer at 203-253-2213.
- Prepared by: [Name]
- Date: [Date]
- Scale: 1" = 100'

State of Connecticut
 Department of Transportation
 Highway 117
 Waterbury, CT

**#651 - Norway Lake Dam
 Emergency Action Plan**

FOR OFFICIAL USE ONLY

Project No.: [Number]
 Date: [Date]
 Revision: [Number]

Scale: 1" = 100'

Sheet **1**

IX. TESTING

Once a year for significant and high hazard dams the owner shall conduct or arrange to have conducted a test of the emergency notification procedure.

The owner or designee will initiate the test by calling 9-1-1, and indicating **"This is a test of the Emergency Action Plan for Norway Lake Dam, in Norway."**

Each person responsible for making calls, as indicated on the Notification Flowchart, will make contacts as indicated, stressing that this is a test of the procedures.

Report results with form on next page.

EAP Test Notifications Form

(Use of this form is optional; you may in turn summarize the results in a note to the Maine Emergency Management Agency Dam Safety unit).

I conducted a test of the EAP for Norway Lake dam, in Norway, Maine on _____.

Check the box that applies:

_____ All contacts were made in accordance with the most recent flowchart.

_____ Some contacts were not made, but all participants are aware of their role in the plan and have a copy of the EAP.

_____ Other

Comments:

Signed: _____

Return to: Dam Safety Administrator/ EAP Coordinator
Maine Emergency Management Agency
72 State House Station
Augusta, ME 04333
Tara.ayotte@maine.gov

X. EVACUATION PLAN

Action	Responsibility
(1) Activate the EAP Flow Chart	(1) Site Observer or Town EMA
(2) Move residents and equipment immediately downstream out of harm's way.	(2) Site Observer, Fire Chief or Police Chief
(3) Assume Command of Incident	(3) Fire Chief or Police Chief or next highest command authority
(4) Execute evacuation order, render assistance, account for any and all missing persons, open shelters, start reconstruction process as soon as possible.	(4) Fire Chief or Police Chief or Next highest authority.
(5) Prepare detailed reports as to overall site conditions	(5) Town EMA

Road Closures:

Pikes Hill Road (Bridge Street)

Greenleaf Avenue – both ends

Horne Street – both ends

EAP to be included in the Norway Emergency Operations Plan.

Norway Lake Dam Plan 2023 EAP update


Final Audit Report

2023-03-09

Created:	2023-02-28
By:	tara ayotte (tara.ayotte@maine.gov)
Status:	Signed
Transaction ID:	CBJCHBCAABAAD4vkP1DCTbqs4Uvlbnh3n8ajXoB-ukqL

"Norway Lake Dam Plan 2023 EAP update" History

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-  Document emailed to dlajoie@norwaymaine.com for signature
2023-02-28 - 11:53:06 AM GMT
-  Email viewed by dlajoie@norwaymaine.com
2023-02-28 - 12:14:41 PM GMT- IP address: 66.186.165.135
-  Signer dlajoie@norwaymaine.com entered name at signing as Dennis Lajoie
2023-02-28 - 12:14:59 PM GMT- IP address: 66.186.165.135
-  Document e-signed by Dennis Lajoie (dlajoie@norwaymaine.com)
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-  Signer ginman@oxfordcounty.org entered name at signing as Geoffrey V. Inman
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 Agreement completed.
2023-03-09 - 8:26:57 PM GMT

APPENDIX D

Stream Crossing Photos



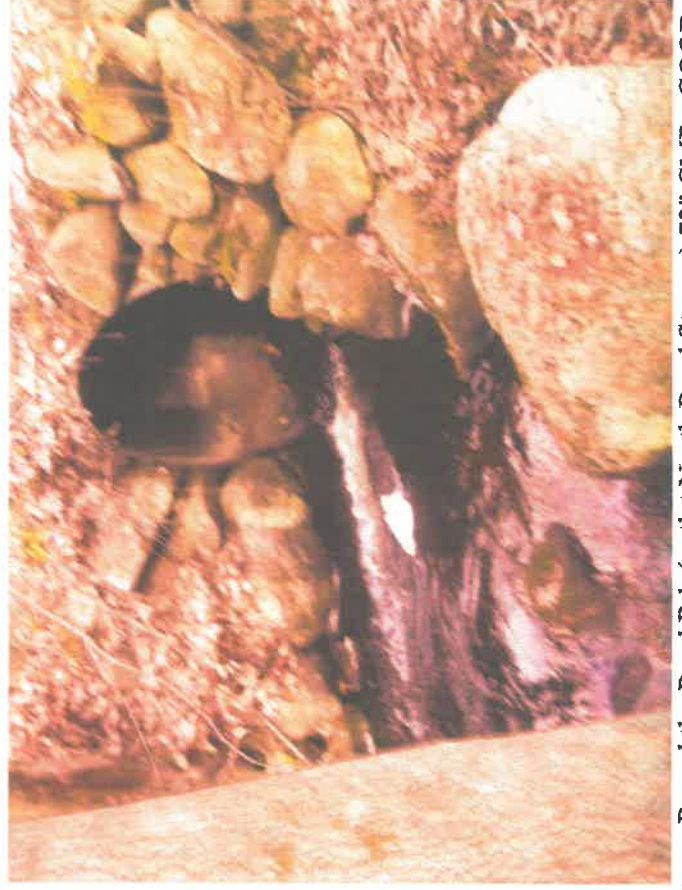
Pleasant St. (between Maple St. & Hayden Ave.) 42" CMP - POOR



Emerson Rd. Twin 72" CMP - FAIR (starting to rust)



the Pond Rd. (between Crockett Ridge & Larson Rd.) 36" HDPE - GOOD



Round the Pond Rd. (outlet North Pond Stream) 72" CMP - GOOD



around the Pond Rd. (near Morse Rd./Greenwood Rd.) 72" CMP - POOR



Round the Pond Rd. (at Greenwood Rd. intersection) 72" CMP - POOR



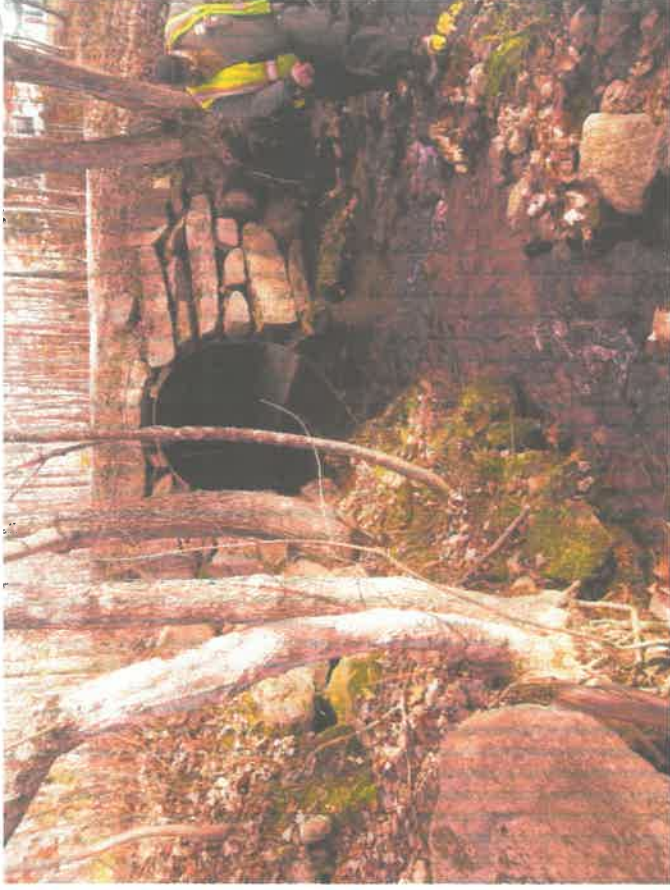
Greenwood Rd. (at Morse Rd.) 48" HDPE - GOOD



Greenwood Rd. (old State section) 100" multi-plate extended to concrete box - GOOD
Page 2 of 6



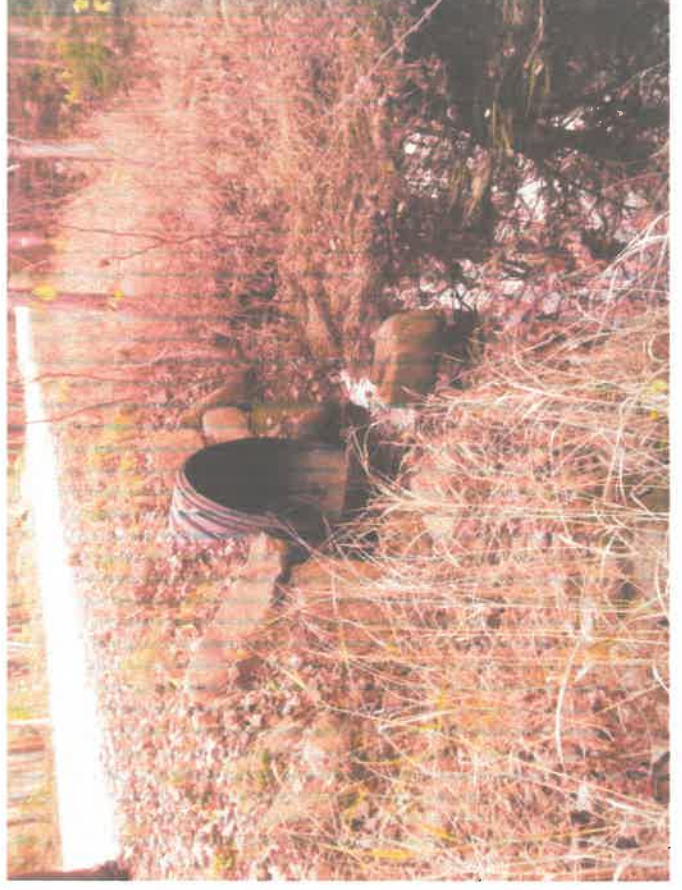
Greenwood Rd. (old State section) 48" CMP (undersized) - GOOD



Morrill Rd. 84" CMP - GOOD



Wiley Rd. twin 48" HDPE - GOOD



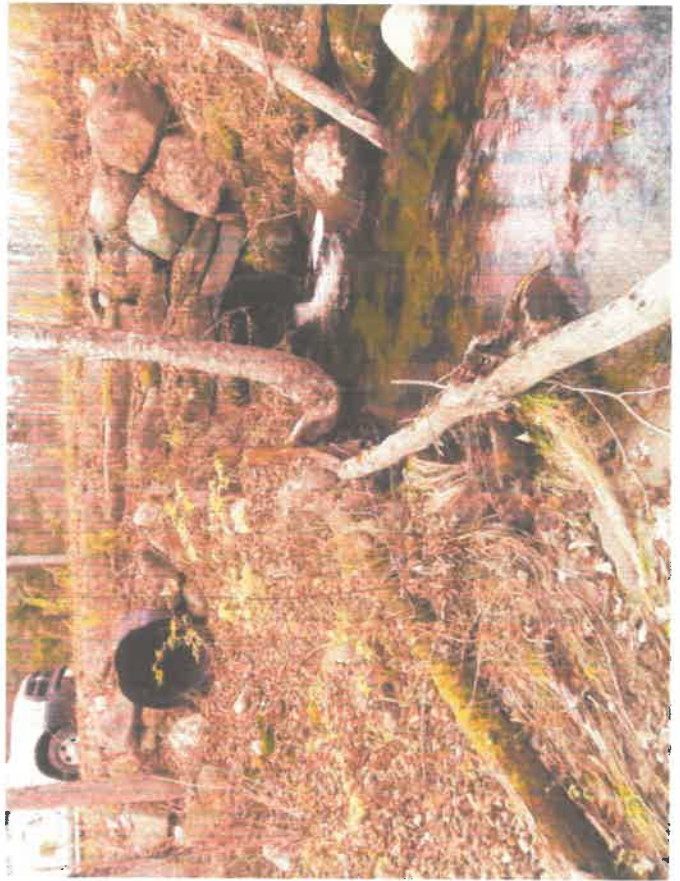
Wiley Rd. 48" HDPE - GOOD



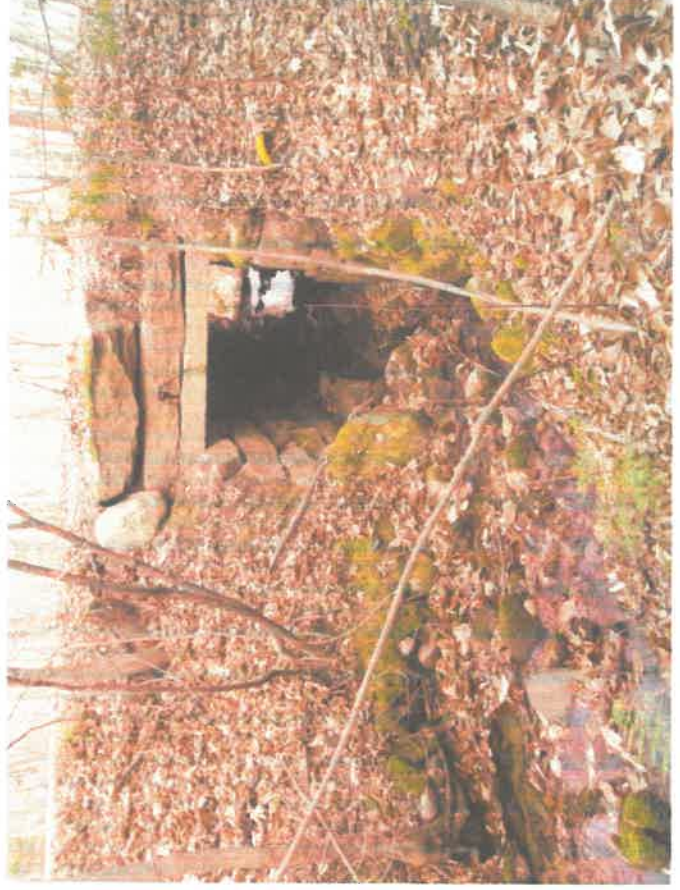
agger Rd. (between Town Farm Rd. & Hemingway Rd.) 36" HDPE - GOOD



Shedd Rd. Twin 48" CMP - GOOD (installed 2012)



uck Rd. 36" HDPE & 36" overflow at higher elevation - GOOD



Shedd Rd. (near Buck Rd.) 5 1/2' x 5 1/2' granite block box - GOOD



Sodom Rd. (Sand Pond (outlet brook) 60" CMP - POOR



Sodom Rd. (near 117 intersection) 60" boiler plate culvert - GOOD



Ridge Rd. 14' multi-plate pipe arch @Pennesseewassee Lake - FAIR



Sodom Rd. 10' Span concrete box culvert - EXCELLENT



Horse Rd. 12' span concrete box culvert - EXCELLENT



(Photo 1 of 2) Town Farm Rd. twin culverts (above 7' boiler steel plate) - GOOD



to 2 of 2) Town Farm Rd. twin culverts (above 11' CMP) - GOOD

APPENDIX E

Bridge, Stream Crossings, Dam and Dead-end Road Spreadsheet

Climate Grant Report on Bridges, Culverts, Dams and Dead end roads.

Location	Bridge Name	Number	Length	Owner	MDOT	Span Mat'l	# of Spans	Culvert Replacement	Channel Condition	Comments	Cost Estimate
Bridge Road	Crockett	3041	15'	Norway	3/28/2023	Steel	1	Needs Replacement	Bank protection needs minor repairs	See Appendix A	\$ 500,000.00
	Beal Street	796	20'	Norway	11/4/2021	Steel	1	NA	Banks are protected		
	Lynn Street	797	20'	Norway	11/4/2021	Steel	1	NA	Bank eroded - major damage		
	French	683	20'	Norway	11/4/2021	Steel	1	NA	Bank eroded - major damage		
	Frost Corner	685	59'	MDOT	6/2/2022	Steel	1	NA	Protection failure		
	Bird Brook	745	23'	MDOT	10/12/2022	Concrete	2	NA	Bank protection needs minor repairs		
	Horne Street	798	29'	MDOT	3/29/2022	Steel	1	NA	Bank eroded - major damage		
	Greenleaf	799	25'	MDOT	3/29/2022	Steel	1	NA	Bank eroded - major damage		
	Bridge Street	801	43'	MDOT	10/12/2022	Concrete	1	NA	Bank protection needs minor repairs		
	Main Street	2677	43'	MDOT	1/12/2022	Steel	1	NA	Bank protection needs minor repairs		
	Sleep Falls	2802	34'	MDOT	3/15/2021	Steel	1	NA	Bank slump, widespread minor damage		
	Lombard	3035	15'	MDOT	3/30/2020	Concrete	1	NA	Bank eroded, major damage		
	Tannery Brook	3610	9'	MDOT	12/9/2022	Concrete	2	NA	Bank slump, widespread minor damage		
	Holt	5090	20'	MDOT	6/2/2022	Concrete	1	NA	Bank slump, widespread minor damage		

Eligible for MaineDOT Stream Crossing Grant Funds

Location	Type	Size	Condition	Replace Y/N	Type	Size	Cost Estimate	Ranking
1 Road - Old State Section (Undersized)	CMP	48"	Good	Yes	Concrete Box		\$ 250,000.00	# 1
1 Road - at Morse Road	HDPE	48"	Good	Yes	Concrete Box		\$ 250,000.00	# 2
Pond Road - At Greenwood Road Intersection	CMP	72"	Poor	Yes	Concrete Box		\$ 250,000.00	# 3
Pond Road - Near Morse Rd/Greenwood Rd	CMP	72"	Poor	Yes	Concrete Box		\$ 250,000.00	# 4
1 Road - Between Maple Street and Hayden Ave.	CMP	72" (2)	Fair	Yes	Concrete Box	18'	\$ 250,000.00	# 5
1 Road - At Sand Pond outlet	CMP	42"	Poor	Yes	Concrete Box		\$ 250,000.00	# 6
Pond - Outlet at North Pond Stream	CMP	72"	Good	Yes	Concrete Box		\$ 250,000.00	# 7
1 Road - Old State Section	Multi Plate	100"	Good	No	NA		TBD	
	CMP	84"	Good	No	NA		TBD	
	HDPE	48" (2)	Good	No	NA		TBD	
	HDPE	48"	Good	No	NA		TBD	
	HDPE	36"	Good	No	NA		TBD	
	CMP	48"	Good	No	NA		TBD	
1 - Near Buck Road	Granite Block	5 1/2' x 5 1/2'	Good	No	NA		TBD	
	HDPE	36"	Good	No	NA		TBD	
d - Near Rt. 117 Intersection	Boiled Plate	60"	Good	No	NA		TBD	Swampy
d	Concrete Box	10'	Excellent	No	NA		TBD	
1	Concrete Box	12'	Excellent	No	NA		TBD	
Road	CMP	7'	Good	No	NA		TBD	
Road	CMP	11'	Good	No	NA		TBD	

Location	Controlled Y/N	Condition	Issues	Owner	Cost
Mill Dam	N	Fair	Overgrown brush	Norway	Low
1 Dam	N	Fair	Overgrown brush	Norway	Low
1 Dam	N	Fair	Overgrown brush	Norway	Low
Dam	N	Fair	Overgrown brush	Norway	Low
Dam (1)	Y	Good	Lake Controls	Private owned	NA
Wassie Lake Dam	Y	Good	Lake Controls	Norway	Mod

Agreement needs to be updated

Public Roads	Approx. # of Homes	Approx. # of Businesses
oad	7	1
se	2	0
ad	7	0
et		
id		
Norway WWTF/Bus Parking		
	2	0
ammon Road	3	0
et	3	0
dge Road	25	2
oods Drive	4	0
id	2	0
	9	0
Street	5	0
ad	10	0
d	6	0
ad	9	0
it	3	3
oad	2	0
	9	0
/ Road	13	0
id	8	0
Road	7	0
. Ave	15	0
reet	8	0
oad	12	0
	8	0
oad	2	0
d	1	0
	2	0
re	3	0
d	4	1
	11	0
ad	18	0
ex Drive		
	6	0
j	4	0
ret	1	2
adow Drive	3	0
ad	5	0
et	2	(Elementary School)
et	2	0
ad	2	0
i	4	0
treet	5	0
Drive		