

Project Narrative

TO: Christopher Capone, Westport Conservation Commission.
FROM: Catherine Lampiasi, Section Head of Maintenance Construction
SUBJECT: DCR Contract No. P23-3500-C1A
Resurfacing of DCR Parkways & Park System Roads; Eastern MA
Horseneck Beach State Reservation– Ecological Restoration, Improvements to
Emergency Access Road, Parking Lots & Stormwater Infrastructure.
DATE: 09/15/2023

Under the existing conditions for the Horseneck Beach Operations and Maintenance Plan (OMP), authorized with permit DEP file#080-2486; DCR Maintenance section in coordination with DCR Coastal Ecology is proposing to make improvements to the existing parking lots and the West Beach Road, which serves as an Emergency Access Road at the Reservation. Under the proposed improvements, DCR will achieve a net benefit for conservation by restoring back to natural conditions approximately 4 acres of existing impervious surface from the eastern parking lot that could be utilized as a nesting site for listed shorebird species. Revegetation of the restored area would happen through a natural succession of native species.

The Emergency Access Road will be resurfaced and should be measured at 20ft in width as requested by the Westport Fire Department (see attached letter), and pursuant to 527 CMR 1, NFPA 2021, Edition; Chapter 18. Fire Department/Emergency Access:18.2.3.1.1:

“Approved fire apparatus access roads shall be provided for every facility, building, or portion of a building hereafter constructed or relocated. Fire apparatus access roads shall consist of roadways, fire lanes, parking lot lanes, or a combination thereof. Fire apparatus access roads shall have an unobstructed width of not less than 20 ft. (6.1 m) or 22 ft. (6.8 m) with a berm added. Access roads shall have an unobstructed vertical clearance of not less than 13 ft. 6 in. (4.1m).”

The necessary improvements include resurfacing within the existing footprint of the parking lots and roadways. The scope of work for resurfacing would include reclamation of the existing pavement to a depth of 8-12”. The depth of reclaim was proposed by DCR’s contracted lab due to sample cores taken within the area of existing conditions. The reclaimed surface would then be fine graded and compacted. Once the subsurface is sufficiently prepped for pavement a 2.5” lift of 19 mm asphalt would be installed followed by 1.5” of 9.5mm asphalt. The edge of pavement in the parking lots would be fitted with 4 feet of rip-rap to reduce deposition of sediments by stormwater flows.

COMMONWEALTH OF MASSACHUSETTS · EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS

Department of Conservation and Recreation

State Transportation Building

10 Park Plaza, Suite 6620

Boston, MA 02116-3978

617-626-1250 617-626-1351 Fax

www.mass.gov/dcr



Maura T. Healey

Governor

Kimberley Driscoll

Lt. Governor

Rebecca L. Tepper, Secretary

Executive Office of Energy & Environmental Affairs

Brian Arrigo, Commissioner

Department of Conservation & Recreation

Additionally, DCR intends to cleanup and perform upgrades to the existing stormwater infrastructure servicing the western and eastern parking lots. Currently the parking lots rely on mainly sheet flow discharge, but the existing dunes surrounding the parking lots have deposited drifting sand over the years, which prevent stormwater flows from exiting properly the impervious area. The proposed retro-fit upgrades, leaching basins & rip-rap swales within the existing parking lots will reduce ponding that occurs along the parking lot edges and would allow for proper infiltration & ground water recharge. These improvements will minimize the deposition & scour that occurs during heavy rain events and minimize flows from existing point discharge within the parking lots.

All other proposed maintenance activities within the same work area (see attached plan), like metal beam guardrails removal and replacement, and electrical utilities will be reestablished to the intent of their original design.

If you have any questions, please contact Catherine Lampiasi at catherine.a.lampiasi@mass.gov.

Thank you.

Catherine Lampiasi

Catherine Lampiasi
DCR Section Head of Maintenance Construction