

OLD ROUTE 17 (CR 28) CULVERT OVER FLY CREEK REPLACEMENT

PUBLIC INFORMATION BROCHURE

VILLAGE OF WINDSOR
BROOME COUNTY



INFORMATION AND UPDATES AVAILABLE ON FACEBOOK AT:

"Replacement of Old Rt 17 Culvert over Fly Crk"



PIN 9755.43
CIN 159-5.98

OLD ROUTE 17 CULVERT OVER FLY CREEK REPLACEMENT TOWN OF SANFORD, BROOME COUNTY



About the Project

The Old Route 17 Culvert Replacement over Fly Creek is located in the Town of Sanford, Broome County, NY. This project is being progressed by Broome County under the supervision of NYSDOT and FHWA. This project is required to continue to provide safe crossings over Fly Creek as well as to address the undersized culvert that has resulted in slope failure of Old Route 17.

What are the conditions like today?

The Old Route 17 Culvert was constructed in 1926 and consists of two sections, with the first being the original 5'x5' precast concrete box culvert and the second being a previous rehabilitation where segments of 48" CMP were inserted into the inlet and outlet of the concrete box culvert, extending the culvert length to 93'. The culvert currently carries two 10' travel lanes and 2' shoulders. The culvert is situated 164' south of the intersection with Mt View Dr.

The Old Route 17 Culvert is hydraulically undersized, which could cause water to overtop the road during significant storms. The downstream concrete fascia has significant spalling with exposed corroded rebar. The downstream wingwalls have significant cracking while the upstream end lacks wingwalls, which leaves the highway embankment prone to failure. If not addressed, these conditions could lead to a failure of the culvert and the roadway.

The deficiencies include:

- Hydraulically undersized
- Significant cracking in the downstream wingwalls
- A lack of cutoff walls
- A lack of upstream wingwalls



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What is proposed?

Culvert replacement: Replacement of the Old Route 17 culvert was identified as the most feasible option that addresses both the structural deficiencies and hydraulic deficiencies. The project will completely replace the Old Route 17 over Fly Creek culvert with a new bridge. The Old Route 17 Bridge will be an 18'-0" span (30'-5" along centerline of roadway), four-sided concrete box unit with an asphalt wearing surface. The alignment and profile of the roadway will remain unchanged. The structure will carry two 10'-0" travel lanes and 4'-0" shoulders. New box beam railing will be installed across the structure.

Upon completion of the project

- The project will remove all deficient/deteriorated culvert elements that currently exist
- The bridge will be designed for full truck traffic
- The hydraulic performance of the crossing will be improved, reducing risk of failure



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What's happening during construction?

The work is anticipated to begin in the summer of 2025 and take approximately 4 months to complete. Traffic will be maintained utilizing an offsite detour that will utilize Old Route 17, NY-41 S, and NY-17. The detour is approximately 10.9 miles long and will take approximately 13 minutes to drive. The access road connecting Old Route 17 to Mt View Dr will also be closed during construction.

What is the purpose of this brochure?

The project is in preliminary design and the final design for this project has not begun yet. Broome County is requesting that local residents and individuals using Old Route 17 provide their input and ask questions about the proposed project. We request all comments to be submitted by Friday, September 27, 2024. The comment form can be found at the end of this packet.

Send Comments to: BroomeCountyOldRoute17@bartonandloguidice.com

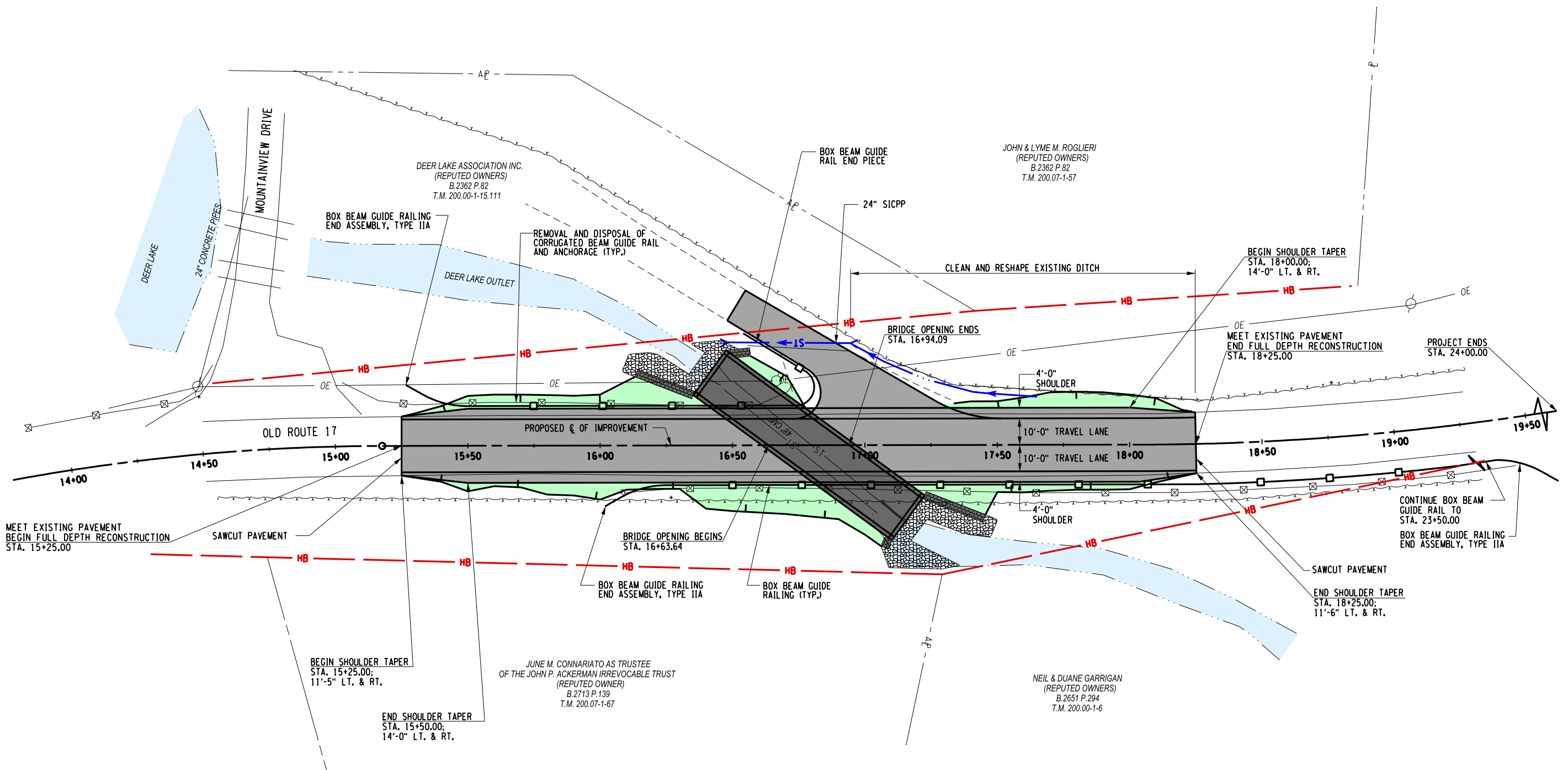


Project Contact Information:

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Facebook: Replacement of Old Rt 17 Culvert over Fly Crk

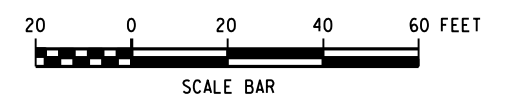


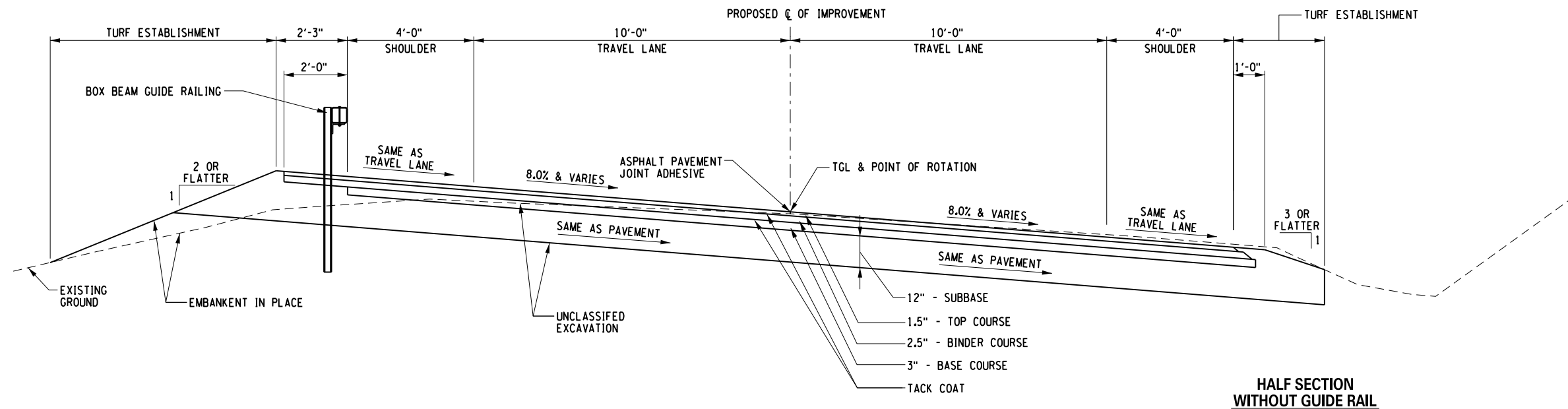
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 (CR 28) CULVERT OVER FLY CREEK
 TOWN OF SANFORD, BROOME COUNTY
 P.I.N. 9755.43

- LEGEND:**
- PROPOSED BRIDGE RECONSTRUCTION
 - PROPOSED ROADWAY AND SHOULDER FULL DEPTH RECONSTRUCTION
 - EARTHWORK LIMIT
 - WATER



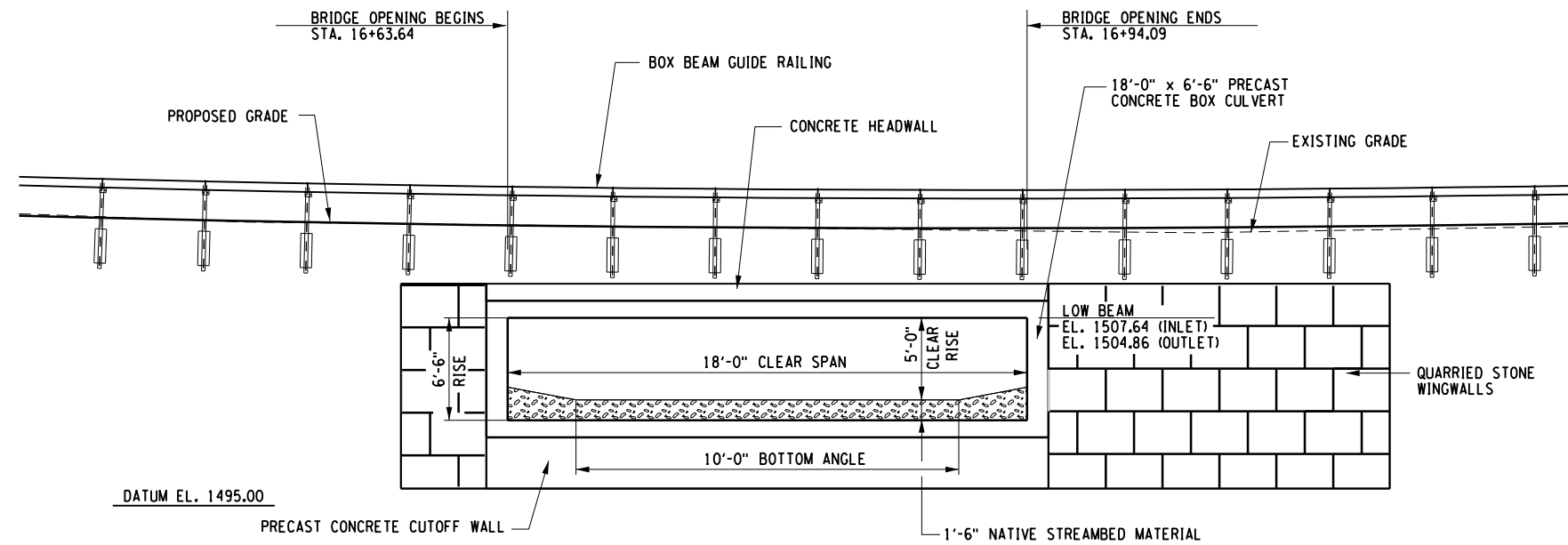
BROOME COUNTY
 HIGHWAY DEPARTMENT





**TYPICAL SECTION
FULL DEPTH RECONSTRUCTION
(BANKED RIGHT)**

LOCATIONS:
STA. 15+25.00 TO STA. 18+25.00



BRIDGE ELEVATION

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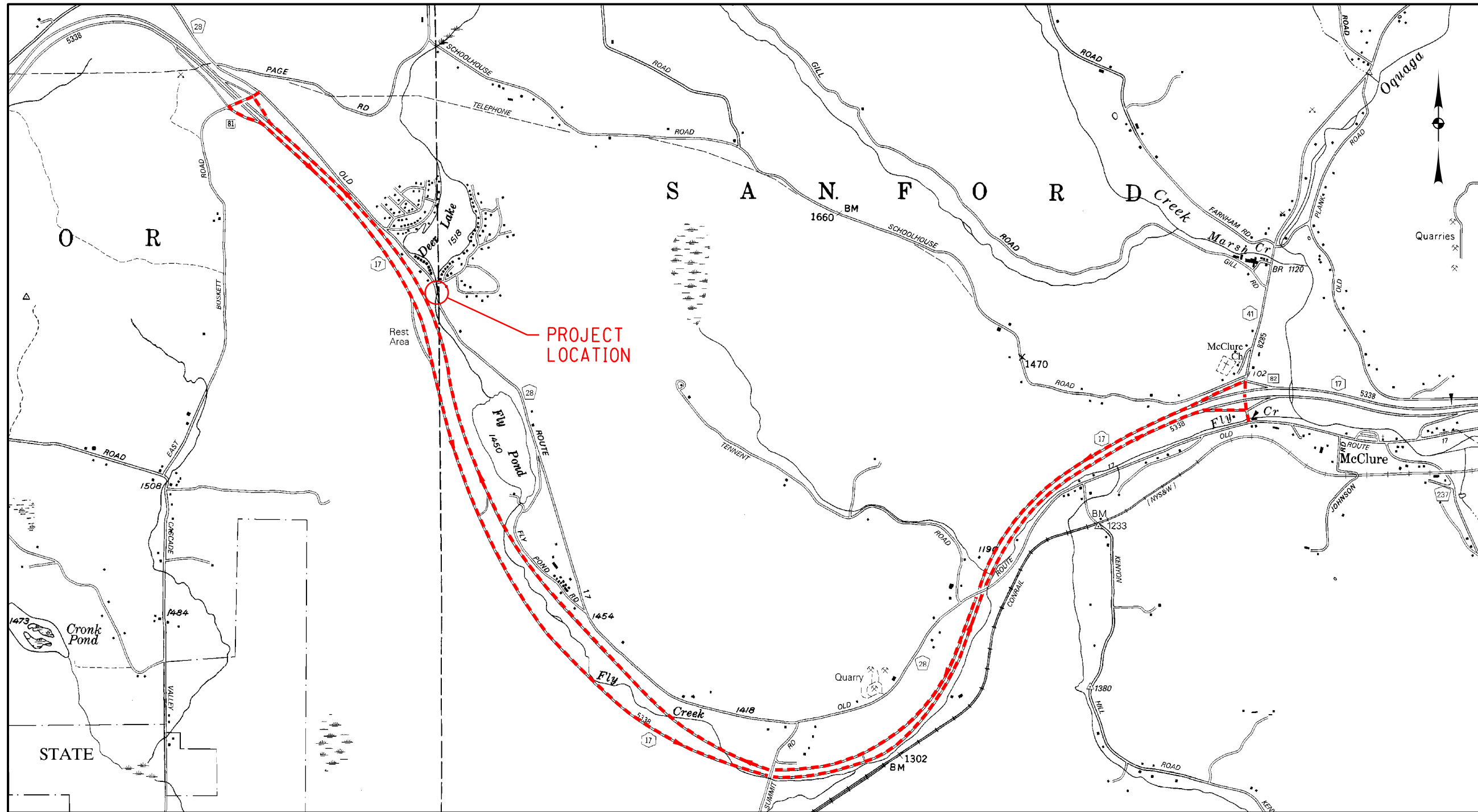


BROOME COUNTY
HIGHWAY DEPARTMENT



Department of
Transportation

**Barton
& Loguidice**



DETOUR PLAN

REPLACEMENT OF OLD ROUTE 17
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LEGEND:

 DETOUR ROUTE



**BROOME COUNTY
 HIGHWAY DEPARTMENT**



