

Hickory Hollow Lane Improvements

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Department of Public Works and Environmental Services
Working for You!



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Agenda

- Introductions
- Objectives of Project
- Project Limits
- Existing Conditions
- Planned Improvements
- Status/Schedule
- Questions (type questions into chat)



Objectives

- Provide safe access to residential properties located north of Rocky Branch
- Mitigate Rocky Branch from overtopping roadway
- Mitigate sediment contamination of Rocky Branch downstream from Hickory Hollow Lane.
- Prevent erosion damage to roadway



Hickory Hollow Lane



Existing Conditions

Hickory Hollow Lane requires continuous maintenance. Undersize existing culverts results in Rocky Branch overtopping the roadway. This causes the roadway structural section and the unpaved section to erode and develop potholes.





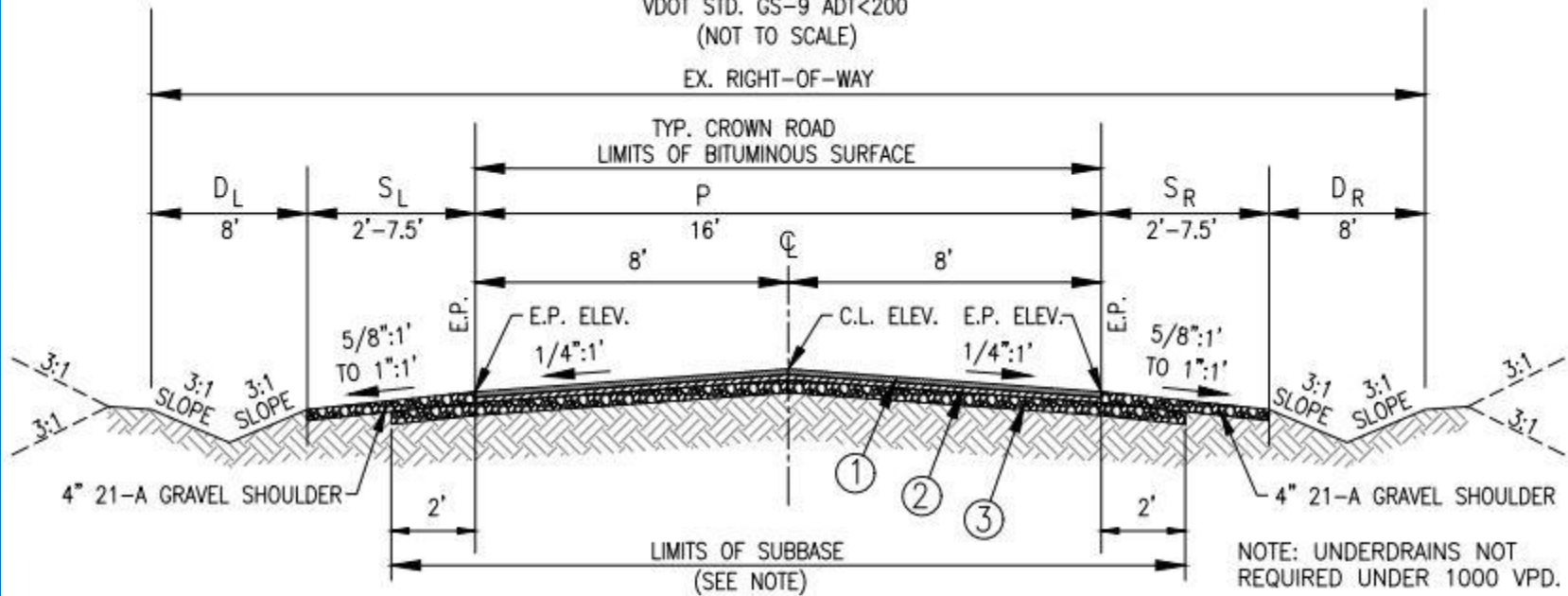
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TYPICAL SECTION

REF. PUBLIC FACILITIES MANUAL PLATE NO. 1-7 STD. NO. TS-1
 VDOT STD. GS-9 ADT<200
 (NOT TO SCALE)



ROAD SECTION	CATEGORY	EX. RIGHT OF-WAY	PROP. RIGHT OF-WAY	D _L	S _L	P	S _R	D _R	TOP COURSE ①	BASE COURSE ②	AGGREGATE SUBBASE ③
HICKORY HOLLOW LANE	RURAL	29.55 to 30	N/A	8	4 TO 7.5	16	4 TO 7.5	8	2"	3"	8"

* SUBBASE NOTE:

SUBBASE DEPTH IS BASED ON A SUBGRADE C.B.R. VALUE OF 5.9.
 ALL SPECIAL DESIGNS SUBJECT TO APPROVAL BY DIRECTOR.
 SOIL TESTS OF SUBGRADE MUST BE SUBMITTED FOR ACTUAL
 DETERMINATION OF REQUIRED SUBBASE THICKNESS PRIOR TO
 CONSTRUCTION.

NOTE: SEE GEOTECHNICAL REPORT AND RECOMMENDATIONS
 FOR ALL RELATED EARTHWORK AND BACKFILL REQUIREMENTS.

① V.D.O.T. STD. SM-9.5A
ASPHALT CONCRETE.

② V.D.O.T. STD. BM-25
ASPHALT CONCRETE

③ V.D.O.T. STD. AGGREGATE.
No. 21-A.

Planned Improvements

1. Construct 4 box culverts (50-feet in length) to convey Rocky Branch beneath Hickory Hollow Lane ((2) 10'w x 6'h, (2) 6'w x 4h').
2. Widen the roadway to 16-feet with 7.5-foot shoulders from the cul-de-sac to the north stream embankment. (sheets 10 and 11)
3. From the north stream embankment to driveway at 2600 Hickory Hollow Lane, the roadway cross section will be 16-feet wide with 2-foot gravel shoulders, and 8-foot wide grass drainage swales.



Planned Improvements continued

4. Install guardrail at stream crossing
5. Remove approximately 60 trees to construct the project, including 24 trees located north of the stream embankment Sheets(28, 29, 32)
6. Plant 8 trees and 24 shrubs to be planted adjacent to the roadway, north of Rocky Branch
7. The completed project will be within the existing dedicated roadway.



Schedule/Status

- Schedule, Pending
 1. Abandonment of existing utility pole
 2. Army Corps of Engineers Nationwide Permit
- Construction scheduled to commence approximately 4 months after receiving Army Corp of Engineers permit
- Construction duration approximately 3 to 6 months.
- Engineer's Estimated cost \$1.5M with the roadway cost north of the stream estimated at \$250K
- Access along Hickory Hollow Lane will be provided for residents and visitors at all times during construction.



Questions

