This project is the reconstruction of approximately 5000 feet of Beelzebub Road from Foster Street to just before Avery Street. Beelzebub Road is an important east-west collector road connecting the heavily traveled Ellington Road (CT Rte 74) with Avery Street. The existing roadway is in poor condition with substandard base material and inadequate drainage. The roadway also possesses vertical geometric deficiencies and the varying road width (22 to 28 feet) does not meet current standards for a collector road. The existing drainage system is insufficient as there are few catch basins and water runs off the road into lawns and driveways. The existing pavement structure consists of approximately 6" of bituminous concrete over poor silty glacial till base material. The road is in fair to poor condition with longitudinal and transverse cracking, utility patches, isolated areas of alligator cracking and some rutting and shoving. The Town’s pavement management consultant (VHB) has assigned a pavement condition index of 69 out of 100 to this road in 2018. There are few curbs on Beelzebub Road. There are no sidewalks on Beelzebub Road. The nearest sidewalks are on Avery Street and about 1265 feet up Norton lane.

The intent of this project is to reconstruct the roadway in a manner that addresses both the deficiencies and structural integrity of the existing road and the needs of the Beelzebub Road residents and users. This project is being designed in a context-sensitive manner which includes a uniform pavement width of 26 feet between curbs, striped for two 11 foot travel lanes and 2 foot shoulders to visually narrow the road. New drainage catch basins and pipes will be added to the existing outfalls and two water quality structures will be installed to improve the quality of stormwater discharging to Avery Brook. The proposed pavement structure will consist of 2" bituminous surface course pavement, on 3” of bituminous base course pavement, on 12” of Processed Aggregate Base with bituminous curb on both sides of the road. The road alignment will generally follow the existing yellow centerline with minor adjustments to smooth curves and provide a uniform pavement width. There will be some minor changes in elevation to smooth vertical curves and provide enough slope for good road drainage.

The existing stop signs at both ends of Beelzebub Road and in the middle at Norton lane will remain.

The Connecticut Water Company has hired a contractor to replace the water main in Beelzebub Road with a new ductile iron pipe. This work will begin in the next week or so, and will be completed late this summer or early fall. Some utility poles will need to be relocated due to roadway widening and the installation of new drainage structures and pipes.
New sidewalks are shown along the north side of Beelzebub Road. New sidewalks will require the removal of many large oak trees close to the road west of Norton Lane, relocation of additional utility poles, some extensive grading, easements on several properties and the installation of 2 retaining walls. Alternately, sidewalks could be considered on the south side of Beelzebub from Norton Lane to Avery Street to connect sidewalks in the the Norton Lane (Kent Lane, Clearview Dr, Tumblebrook Dr, Homestead Dr, Fairview Dr) neighborhood to the sidewalks on Avery Street. Sidewalks could also be considered on the south side of Beelzebub from Foster Street to Norton Lane and there would be similar impacts as the sidewalks on the north side. Sidewalks are proposed on only one side of Beelzebub Road due to limited ROW.

No existing bicycle markings/signs or bike racks are within the vicinity of the project area. Beelzebub Road is not on the CRCOG bike network or ConnDOT's Bicycle Map or the Town's sidewalk plan. Reducing travel lane width to 11 ft with an increased shoulder width of 2 ft could potentially improve this area for bicycle travel. A dedicated bike lane is not proposed as this would require relocation of most utility poles and removal of many trees. There is not enough room in the ROW for both a sidewalk and bike lane.

This project is funded with Town bond funds approved in the 2018 bond referendum.

The schedule is to complete the design, permitting, easements, utility coordination in the summer or early fall of 2021 and bid this project for construction to start as early as this fall if possible and continue into next year to be completed at the end of 2022.

Residents with questions or concerns about these plans to reconstruct Beelzebub Road can contact the South Windsor Engineering Department at 860-644-2511 ext 344 or email the Town Engineer at Jeffrey.doolittle@southwindsor-ct.gov by April 30, 2021, after which time we will proceed with permitting, utility coordination, easements and final design plans.