



**Department of
Transportation**

ANDREW M. CUOMO
Governor

MATTHEW J. DRISCOLL
Commissioner

TODD WESTHUIS, P.E.
Acting Regional Director

March 8, 2016

Mr. A. Peter Russillo, P.E.
Maser Consulting
11 Bradhurst Ave.
Hawthorne, NY 10532

**Re: PIN# AW08.02.700
SEQR # 12-0161
Chappaqua Crossing
Route 117/Roaring Brook Rd.
New Castle, Westchester County**

Dear Mr. Russillo:

In addition to comments identified in the Department's January 8, 2016 letter, and subsequent meeting of January 21, 2016, operational and safety concerns prompted a further internal review of the November 10, 2015 submission. A conceptual roundabout drawing was forwarded to the Applicant's engineer via e mail on February 25, 2016. The attached report offers detailed comments.

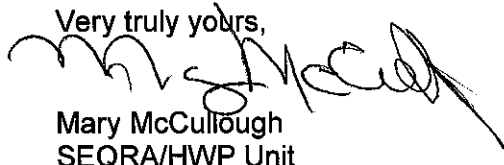
A subsequent submission was received on February 12, 2016. This has not been reviewed pending revisions.

The report's highlights include:

1. Because approach angles are critical in a roundabout design, please modify the approach angles similar to those proposed in the attached drawing.
2. The splitter islands should be longer and more prominent. This enhances the operation as well as providing a safer pedestrian refuge.
3. By removing the by-pass lane, potential pedestrian paths also change and crosswalks can be located in more appropriate locations. This includes the crosswalk proposed near Annandale Drive. Please move that crosswalk into the roundabout approach with the splitter island used as a pedestrian refuge. The attached drawing provides guidance on proposed locations.

If you have any questions or require clarification, please feel free to contact me at (845) 437-3398.

Very truly yours,



Mary McCullough
SEQRA/HWP Unit

cc: M. Sassi, Regional Traffic Safety & Mobility Group
Permit Field Engineer, Residency 8-8
C. Lee, Permit Field Engineer, Residency 8-9
Hon. Robert J. Greenstein, Supervisor, Town of New Castle



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Project Submission Review Report
(Submissions dated November 10, 2015)

Chappaqua Crossing
SEQR # 12-0161
Route 117, Town of New Castle
Westchester County

New York State Department of Transportation
February 29, 2016 Burnett Blvd.
Poughkeepsie, NY 12603

Report date:

Subsequent to the Department's January 8, 2016 review letter and a meeting of January 21, 2016 with the Applicant's Engineering Consultant, the following additional comments are offered. A subsequent submission was received on February 12, 2016. However, this has not been reviewed pending revisions.

Vehicle Traffic

1. The Traffic Impact Study and revised SYNCHRO combined with an internal look via SIDRA and VISSIM, does not currently support the capacity needs for a two lane roundabout. A single lane roundabout should be shown with land donated to support a future two lane roundabout.
2. The recent SYNCHRO analysis was reviewed. Operationally, the proposed By-Pass Lane is not necessary and should therefore be removed.
3. Please modify the approach angles similar to those proposed in the attached drawing.
4. Also note that in the attached drawing the splitter islands are longer and more prominent. This enhances the operation as well as providing a safer pedestrian refuge.
5. The construction period impact needs to be analyzed.

Pedestrians

1. By removing the by-pass lane, potential pedestrian paths also change and crosswalks can be located in more appropriate locations. This includes the crosswalk located near Annandale Drive. Please move that crosswalk into the roundabout approach with the splitter island used as a pedestrian refuge. The attached drawing provides guidance on proposed locations.
2. A sidewalk is now necessary from this relocated crosswalk to the bus-stop located at Annandale Drive.
3. For enhanced pedestrian safety, crosswalks near the roundabout should be located within the splitter islands where applicable.
4. It is noted that pedestrian traffic is not directed toward the southern leg of the roundabout. The roundabout crosswalk shown in the attached drawing in this location may be disregarded.

Traffic Signal

1. Because of the proximity of the proposed signal on Roaring Brook Rd. to the Roundabout, we are concerned with vehicles backing up into the roundabout. A "force off" detector is necessary in this location.

Drainage

1. Please ensure that Drainage Improvements are not just completed for the entire site, but also all roadway improvements.
2. Significant pavement is being added. Although the SWPPP primarily addresses the proposed site, a Drainage Report addressed the NYS roadway pavement adjacent to the proposed site. The Drainage Report shell can be found at <https://www.dot.ny.gov/divisions/engineering/design/dqab/hdm/chapter-8>
3. NYSDOT does not maintain drainage infiltration ponds for proposed developments. Please ensure that all drainage infiltration ponds do not encroach within the proposed NYS Right Of Way.

Land Donation

1. To accommodate for future growth a two-lane roundabout may still be necessary. As with the original plan, please make appropriate accommodations. Where necessary, the footprint can accomplish this via striping or sub-base & grass.
2. Please ensure that the land donation includes the approaches to the roundabout.
3. A Take Line Meeting needs to be scheduled.

General Notes

1. There are many administrative items required as part of the permitting process. To meet the schedule, the applicant should be advised to initiate the administrative process concurrent with the review process. Additional guidance is available.
2. The applicant's resubmission should include enumerated comments noting sheet, date, detail no., etc. Each revision is to be clouded (or otherwise called out) with a revision number. Furthermore, any substantive revisions not related to NYSDOT comments must be clouded (or otherwise called out) *and noted in the re-submittal letter.*
3. This project is subject to the requirements of the State's Drivers First initiative. Delay to the traveling public must be minimized.
4. The applicant is required to satisfactorily complete the Smart Growth Prescreening Tool required under the NYS Smart Growth Public Infrastructure Policy Act (SGPIPA).

Thank you for the opportunity to offer comments with respect to this project.

End of report

