

---

<b>TO:</b>	Town of Cheshire DPW / Engineering	<b>DATE:</b>	3/21/2022
<b>FROM:</b>	Lawrence Rusiecki, PE	<b>PROJECT NO.:</b>	20458
<b>SUBJECT:</b>	Planning & Zoning Application East Mitchell Ave. Development		

---

Wright-Pierce (W-P) is in receipt of the following Application materials associated with the East Mitchell Avenue subdivision project:

- SLR Response to Comments Letter – Chief of Police dated March 10, 2022
- SLR Response to Comments Letter – W-P dated March 10, 2022
- SLR Turning Movements / East Mitchell Avenue dated March 8, 2022
- SLR East Mitchell Avenue, Residential Development Plans dated March 8, 2022
- SLR Intersection Sight Distance figure dated March 8, 2022

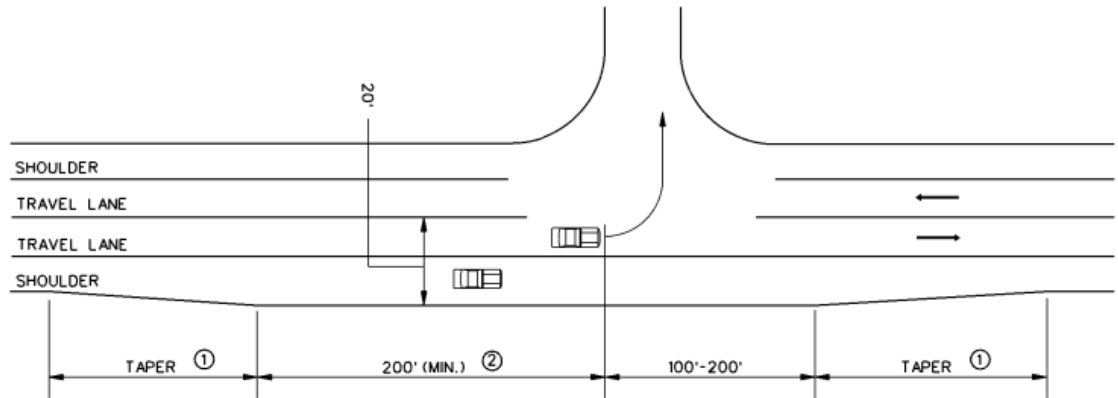
W-P reviewed the traffic related exhibits, reports and memos referenced above.

**Response to Comments Letter – Chief of Police**

1. Comment C-1. It is noted that there is approximately 20-feet from the painted yellow center line to the curb line on Highland Avenue. The travel lane width is approximately 14-feet. The CTDOT bypass figure snip below that is referenced in the SLR response depicts the vehicle to bypass within the shoulder adjacent to the curb line and travel lane. W-P agrees that there is sufficient room (+/- 20-feet) however the vehicle in bypass will be partially within the travel lane and not clearly in the shoulder. Vehicles that are queued at the light and within the travel lane may block the bypass as the lane striping width between the curb and centerline varies. The Highland Avenue stripes are not uniformly spaced as shown on the CTDOT Figure. W-P recommends that this item is further discussed with SLR as a clear bypass lane around the travel lane may not always be feasible and not provided at this intersection.

Memo To: Town of Cheshire DPW / Engineering  
Subject:  
Planning & Zoning Application  
East Mitchell Ave. Development

3/21/2022  
Page 2 of 3



Notes: 1. The taper distance is calculated from:

$L = WS$  ( $S \geq 45$  mph) or  $L = WS^2/60$  ( $S < 45$  mph)

$L$  = taper length, ft

$W$  = transition width, ft

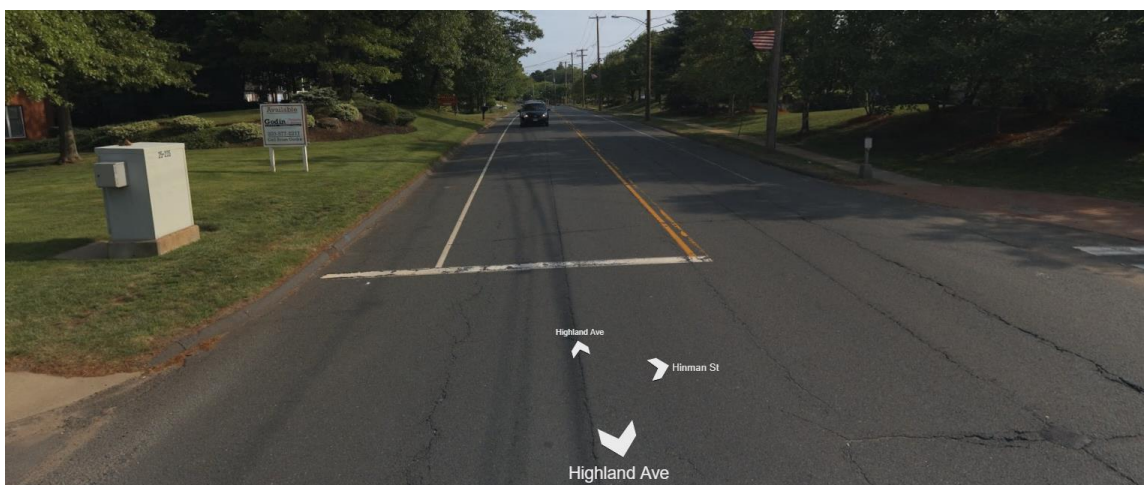
$S$  = design speed, mph

Choose formula based on the posted speed limit. Then use 85th percentile speed or design speed in formula.

2. See Figure 11-5G.

#### TYPICAL BY-PASS AREA ON A 2-LANE HIGHWAY

Figure 11-5K



Memo To: Town of Cheshire DPW / Engineering  
Subject:  
Planning & Zoning Application  
East Mitchell Ave. Development

3/21/2022  
Page 3 of 3

**Response to Comments Letter – W-P**

1. No further comments.

**Turning Movements Figures A-C**

1. No further comments.

**Intersection Sight Distance Route 10**

1. No further comments.

**Site Development Plans**

1. The Plans and associated narrative are easier to follow. No further comments.

Feel free to contact our office if there are any questions or concerns.

Sincerely,  
WRIGHT-PIERCE

Larry Rusiecki, P.E.  
Project Manager  
[Lawrence.rusiecki@wright-pierce.com](mailto:Lawrence.rusiecki@wright-pierce.com)

cc: *Thomas Hogan, W-P*  
*Dennis Dievert, W-P*  
*Bombero, Daniel J., Town of Cheshire*  
*Noewatne, George, Town of Cheshire*