



*For illustration purposes only.

 PYB-009	All Way Stop Control Warrant Analysis	Figure 2
	Borough of Palmyra, Burlington County, New Jersey	Recommended Improvements



VII. SUMMARY AND CONCLUSIONS

This Traffic Engineering Study investigated if All Way Stop Control (AWSC) is warranted at the intersection of West Charles Street and Park Avenue in the Borough of Palmyra, Burlington County, New Jersey. The findings of this study are provided below:

1. In accordance with NJSA Title 39 and the MUTCD, the Borough of Palmyra has the authority to establish AWSC at the intersection of West Charles Street and Park Avenue via an ordinance.
2. The intersection of West Charles Street and Park Avenue meets three of the four the optional considerations as per outlined in the MUTCD for AWSC applications. As such, AWSC at the intersection of West Charles Street and Park Avenue is justified.
3. The required and recommended improvements at the subject intersection are itemized below:
 - Required:
 - Install two (2) new STOP signs (R1-1) at the West Charles Street EB and WB approaches; and
 - Install four (4) new ALL WAY supplemental plaques (R1-3P) underneath each stop sign.
 - Highly Recommended:
 - Install four (4) new stop bars at a minimum of 4 feet behind the existing crosswalks;
 - Relocate the two (2) existing STOP signs (R1-1) along Park Avenue NB and SB at or near the new stop bars. Locate the two (2) new stop signs along West Charles Street EB and WB at or near the new stop bars;
 - Install two (2) new Stop Ahead (W3-1) advance warning signs 100 feet in advance of the new stop signs along the West Charles Street EB and WB approaches; and
 - Remove the two (2) existing Pedestrian Crossing signs (W11-2) and two (2) existing Pedestrian Crossing advanced warning signs (W11-2) located along West Charles Street EB and WB.
 - Recommended:
 - Install double yellow centerlines installed for 100 feet in advance of the stop bars on the West Charles Street EB approach and the Park Avenue NB and SB approaches.
4. The following additional considerations for the municipality have been provided:
 - A stopped vehicle shall have visibility of a stopped vehicle at all other approaches. It is recommended to perform a field inspection to confirm sight distance is provided at each approach of the subject intersection; and
 - Notify motorists of the change in traffic control via public outreach.
5. A Municipal Engineer Certification has been provided in accordance with NJSA Title 39.

In summary, AWSC is justified at the intersection of West Charles Street and Park Avenue and the improvements outlined in this study will enhance safety and community benefit.