Pedestrian Safety Action Plan - Local Call for Projects

Appendix F - Countermeasure Resource List

Countermeasure Resource List for PSAP Local Call for Projects

<table>
<thead>
<tr>
<th>Countermeasure Type</th>
<th>PSAP Plan Ref. Pages (1)</th>
<th>MUTCD 2009 Edition &amp; Other (2)</th>
<th>NYSDOT Highway Design Manual</th>
<th>NYSDOT Traffic Safety &amp; Mobility Instructions &amp; Pedestrian Crossing Treatments for Streets and Highways, Pages (3):</th>
</tr>
</thead>
<tbody>
<tr>
<td>10. HAWK Beacon Installation</td>
<td>29-35, 42-47, 48-59, Sect. 4C Warrants, Fig 4F-1 &amp; 2</td>
<td>DOT TSMI 17-03</td>
<td>51-52, 58-59, 132-135</td>
<td></td>
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<tr>
<td>11. Full (3 Color) Signal Installation with Countdown Indicators</td>
<td>29-35, 42-47, 48-59, Sect. 5B.05 (51-56)</td>
<td>DOT TSMI 17-03</td>
<td>52-54, 58-59, 135-136</td>
<td></td>
</tr>
</tbody>
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Part One - Uncontrolled Crosswalk Countermeasures

1. Retrace traffic signals for proper pedestrian clearance time/intervals
2. Retrace traffic signals for better coordination (and bandwidth use)
3. Install back plates with retro-reflective borders
4. Upgrade pedestrian signals to Countdown indications (at eligible locations)
5. Upgrade marked crosswalk to Hi Vis and/or add Hi Vis at unmarked locations
6. Restrict Parking (consideration at intersections)
7. Evaluate left turn Phasing (see table for possible countermeasure applications)
8. Accessible Pedestrian Signals (APS)
9. Leading Pedestrian Interval (LPI)/No Turn On Red LED & Accessible Ped. Signal
10. Install a new pedestrian signal with countdown indications
11. Add advance cross street name signs
12. Add signal ahead sign
13. Add Turning Vehicle Yield to Pedestrian Sign (R10-15)
14. Add No Turn On Red Signs (standard or LED/blank-out) with optional plaques
15. Move regulatory signs overhead
16. Curb Extensions & Pedestrian Refuge Medians and/or Corner Refuge Islands
17. Enhanced Illumination at Crossings (with local agreement for maintenance and utility costs)

Part Two - Signalized Intersection Crossing Countermeasures

1. Hi Vis Crosswalk Markings (upgrade or replacement of existing markings)
2. Double Posted Pedestrian Crossing Signs (W11-2)
3. Pedestrian Warning Signs
4. Advanced Pedestrian Crossing Signs
5. Shanks Tooth (Advanced Yield Here Markings at midblock crossings)
6. Yield to Pedestrian Signs
7. Restrict Parking (consideration at intersections)
8. in Street Pedestrian Signs
9. Rectangular Rapid Flashing Beacon Installation
10. HAWK Beacon Installation
11. Full (3 Color) Signal Installation with Countdown Indicators
12. Curb Extensions & Pedestrian Refuge Medians and/or Corner Refuge Islands
13. Enhanced Illumination at Crossings
14. Enhanced Illumination at Crossings (with local agreement for maintenance

Web Links to All Documents Referenced Above (if the browser blocks the web link or if the link address below has changed - look up title provided in any reputable search engine):

4. New York State Department of Transportation - Traffic Safety & Mobility Instructions (TSMI's) - please go to: https://www.dot.ny.gov/divisions/operating/oom/transportation-systems/official issuances
5. NCHRP Synthesis 498, Application of Pedestrian Crossing Treatments for Streets and Highways - please go to: https://www.nap.edu/catalog/20436/applications-of-pedestrian-crosing-treatments-for-streets-and-highways
6. Missouri DOT, Category 903 Highway Signage, 903.6.28, 2016 - please go to: eag.modot.org/index.php/title=903.6_Warning_Signs#903.6.28_Advance_Traffic_Control_Signs__2BW1-1.2C_W3-2_2C_w3-1.2C_W3-4.29_2BW1UTCD_Section_2C.36.29