

## **RRFB Submission for Encroachment Permit:**

District:

Town/City:

Route:

Street Name:

Crosswalk Location:      Coordinates      X:      Y:

Approximate Distance from Nearest Intersecting Public Street  
and Intersecting Street Name (example - 250 feet West of Adams  
Street):

### **The following must be submitted in PDF format:**

This document (Cover Page and Checklist)

Plan

Special Provisions

Consultant Engineer Name/Town Rep. Name:

Consultant Firm Name/Town Rep. Title:

<b><u>RRFB Checklist:</u></b>	<b>Included</b>	<b>Not Applicable</b>
1. The proposed RRFB conforms to the <a href="#">MUTCD</a> .		
2. The proposed installation has been coordinated with the local utility companies: <ul style="list-style-type: none"> <li>a. Potential underground and overhead conflicts have been avoided. Refer to the Electrical Considerations chapter in the Traffic Control Signal Design Manual Electrical Section (<a href="http://www.ct.gov/dot/lib/dot/documents/dtrafficdesign/sigmanapproved2009.pdf">http://www.ct.gov/dot/lib/dot/documents/dtrafficdesign/sigmanapproved2009.pdf</a>)</li> <li>b. Minutes of utility meetings have been documented and are attached.</li> </ul>		
3. Traffic control foundations are located: <ul style="list-style-type: none"> <li>a. A minimum of 5' from underground utilities.</li> <li>b. Within 5' from underground utilities – written concurrence from the applicable utility company has been provided.</li> </ul>		
4. The Town was consulted for location/as-builts of municipal underground utilities (such as sewer and water).		
5. Tree limb or vegetation trimming will be needed for: <ul style="list-style-type: none"> <li>a. Installation of proposed signal equipment</li> <li>b. Visibility to proposed signal equipment and proposed signing</li> <li>c. To provide adequate sunlight for solar panel</li> </ul> The applicable construction notes are included on the plan.		

<p>6. The proposed RRFB equipment is located so that it will not restrict visibility to highway signs or business signs.</p>		
<p>7. The pedestals will be a sufficient distance from the edge of road. Construction notes and/or additional dimensions are included on the plan.</p>		
<p>8. The proposed pedestal height is sufficient for all of the signs and equipment. (A pedestal height greater than 12’ is typically needed to accommodate all of the signs and equipment.)</p>		
<p>9. The pedestal foundations are located so that the pedestrian push buttons will be accessible from the landing area.</p>		
<p>10. After installation an updated spreadsheet with location information and the installation date will be submitted to <a href="mailto:DOT.TrafficEngineering@ct.gov">DOT.TrafficEngineering@ct.gov</a>.</p>		
<p><b><u>Special Provisions, Standard Sheets, and Guide Sheets:</u></b></p>		
<p>11. The following <a href="#">Special Provisions</a> for RRFB are included in the permit submission and contract documents. Each SAMPLE special provision has been revised as needed to be applicable to this permit/project:</p> <ul style="list-style-type: none"> <li>a. Section 1.05 – Control of Work</li> <li>b. Section 1.06 – Control of Materials</li> <li>c. Section 1.07 – Legal Relations and Responsibilities</li> <li>d. Section 1.08.03 – Prosecution and Progress – Prosecution of Work</li> <li>e. Section 10.00 – General Clauses for Highway Illumination and Traffic Signal</li> <li>f. M.16.08 – Pedestrian Pushbutton*</li> <li>g. 1117XXXA – Rectangular Rapid Flashing Beacon (RRFB)*</li> </ul>		

\*RRFBs and Pedestrian Pushbuttons within the State ROW should be pedestal mounted. Post-mounted RRFBs and/or Pedestrian Pushbuttons will not be allowed unless the Town/City submits documentation from the manufacturer that:

- The sign posts (including base post) are designed and made to support the proposed equipment (Solar Panel, Back-to-Back Signs, Back-to-Back RRFB Units, Pedestrian Pushbutton, etc.)
- The breakaway feature of the sign posts will function as intended with the additional equipment.
- The durability and longevity will be comparable to pedestal mounting.

<ul style="list-style-type: none"> <li>h. 1118012A – Removal and/or Relocation of Traffic Signal Equipment</li> <li>i. 1206023A – Removal and Relocation of Existing Signs</li> </ul>		
<p>12. The following <a href="#">Special Provisions</a> for signs are included in the permit submission and contract documents:</p> <ul style="list-style-type: none"> <li>a. NTC – GPS Coordinates for signs</li> <li>b. Section 12.00 – General Clauses for Highway Signing – GPS Coordinates</li> <li>c. 1208931A_1208932A - Sign Face Sheet Aluminum (Type xx Retroreflective Sheeting)</li> </ul>		
<p>13. The following Traffic <a href="#">Standard Sheets and Guide Sheets</a> are included in the permit submission and contract documents:</p> <ul style="list-style-type: none"> <li>a. TR-1000_01 – General Clauses (Test Procedures)</li> <li>b. TR-1001_01 – Trenching &amp; Backfilling, Electrical Conduit</li> <li>c. TR-1002_01 – Traffic Control Foundations</li> <li>d. TR-1010_01 – Concrete Handhole</li> <li>e. TR-1102_01 – Pedestals, Pedestrian Signals</li> <li>f. TR-1107_01 – Pedestrian Push Button</li> <li>g. TR-1208_01 – Sign Placement and Retroreflective Strip Details</li> <li>h. TR-1208_02 – Metal Sign Posts and Sign Mounting Details</li> <li>i. TR-1210_04 – Pavement Marking Lines and Symbols</li> <li>j. TR-1210_08 – Pavement Markings for Non-Freeways</li> <li>k. TR-GS_01 – Sign Face Sheet Aluminum R-Series Signs Typical Details</li> </ul>		

1. TR-GS_02 – Sign Face Sheet Aluminum S & W Series Signs Typical Details		
<p>14. The following Highway Guide Sheets are included in the permit submission and contract documents:</p> <ul style="list-style-type: none"> <li>• Sidewalk Ramps Sheets:  <a href="http://www.ct.gov/dot/cwp/view.asp?a=3610&amp;q=411104">http://www.ct.gov/dot/cwp/view.asp?a=3610&amp;q=411104</a></li> </ul>		
<b><u>RRFB Plan:</u></b>		
<p>15. The submitted plan for this permit/project was developed using the Microstation V8i Guide for Traffic Design:  <a href="http://www.ct.gov/dot/lib/dot/documents/aec/cad_selectseries/ctdot_v8i_mst_a_traffic_guide.pdf">http://www.ct.gov/dot/lib/dot/documents/aec/cad_selectseries/ctdot_v8i_mst_a_traffic_guide.pdf</a></p>		
<p>16. The submitted RRFB plan for this permit/project:</p> <ol style="list-style-type: none"> <li>a. Is consistent with the format of the SAMPLE (<a href="#">Solar</a> or <a href="#">Hardwired</a>) plan.</li> <li>b. Includes relevant information from the SAMPLE plan revised as needed for this permit/project.</li> </ol>		