

### *Sample Type Size and Location Plans*

Sample TSL plans which indicate a range of grade separation and stream crossing structures, as well as retaining walls have been developed to provide planners with a quick reference for bridge planning policy and presentation methods. Sample TSL's may be accessed by clicking on the links below.

TSL Ex. #	Type and Description
<a href="#">TSL Ex. 1</a>	Straight Interstate over Interstate <ul style="list-style-type: none"><li>- Dual Two Span Structure</li><li>- Superstructure Type: Steel Plate Girder</li><li>- Abutment Type: Integral</li><li>- Pier Type: Multi-Column Grade Separation, Footing Supported</li></ul>
<a href="#">TSL Ex. 2</a>	Straight Highway over River <ul style="list-style-type: none"><li>- Three Span Structure</li><li>- Superstructure Type: Steel Plate Girder</li><li>- Abutment Type: Integral</li><li>- Pier Type: Column-Web Wall Drilled Shaft Bent</li></ul>
<a href="#">TSL Ex. 3</a>	Straight Structure on Curved Highway over Creek <ul style="list-style-type: none"><li>- One Span Structure</li><li>- Superstructure Type: Steel Wide flange</li><li>- Abutment Type: Integral</li></ul>
<a href="#">TSL Ex. 4</a>	Curved Structure on Curved Roadway over Highway <ul style="list-style-type: none"><li>- Three Span Structure</li><li>- Superstructure Type: Steel Wide flange</li><li>- Abutment Type: Stub</li><li>- Pier Type: Single Hammerhead Grade Separation, Footing Supported</li></ul>
<a href="#">TSL Ex. 5</a>	Straight Highway over Highway <ul style="list-style-type: none"><li>- Dual One Span Structure</li><li>- Superstructure Type: Steel Plate Girder</li><li>- Abutment Type: Vaulted (Filled)</li></ul>
<a href="#">TSL Ex. 6</a>	Flared Structure at Highway Intersection over Creek <ul style="list-style-type: none"><li>- Three Span Structure</li><li>- Sidewalk</li><li>- Superstructure Type: Steel Wide flange</li><li>- Abutment Type: Stub</li><li>- Pier Type: Solid Wall Pile Bent</li></ul>

TSL Ex. 7	<p>Straight Highway over Railroad</p> <ul style="list-style-type: none"> <li>- Three Span Structure</li> <li>- Sidewalk</li> <li>- Superstructure Type: Steel Wide Flange</li> <li>- Abutment Type: Integral</li> <li>- Pier Type: Multi-Column Railroad Pier, Footing Supported</li> </ul>
TSL Ex. 8	<p>Straight Highway over Railroad</p> <ul style="list-style-type: none"> <li>- Three Span Structure</li> <li>- Superstructure Type: P.P.C. I-Beam</li> <li>- Abutment Type: Stub</li> <li>- Pier Type: Multi-Column Railroad Pier, Footing Supported</li> </ul>
TSL Ex. 9	<p>Straight Highway over Creek</p> <ul style="list-style-type: none"> <li>- Three Span Structure</li> <li>- Superstructure Type: P.P.C. I-Beam</li> <li>- Abutment Type: Integral</li> <li>- Pier Type: Solid Wall Pile Bent</li> </ul>
TSL Ex. 10	<p>Straight Highway over Creek</p> <ul style="list-style-type: none"> <li>- Three Span Structure</li> <li>- Superstructure Type: P.P.C. I-Beam</li> <li>- Abutment Type: Integral</li> <li>- Pier Type: Solid Wall Pile Bent</li> </ul>
TSL Ex. 11	<p>Straight Highway over Creek</p> <ul style="list-style-type: none"> <li>- Three Span Structure</li> <li>- Superstructure Type: Concrete Slab</li> <li>- Abutment Type: Integral</li> <li>- Pier Type: Solid Wall Pile Bent</li> </ul>
TSL Ex. 12	<p>Straight Highway over Highway</p> <ul style="list-style-type: none"> <li>- Four Span Structure</li> <li>- Superstructure and Abutment Replacement</li> <li>- Superstructure Type: Steel Wide Flange</li> <li>- Abutment Type: Integral</li> </ul>
TSL Ex. 13	<p>Straight Highway over Creek</p> <ul style="list-style-type: none"> <li>- Three Span Structure</li> <li>- Deck Replacement and Abutment Conversion</li> <li>- Abutment Type: Semi-Integral</li> </ul>
TSL Ex. 14	<p>Straight Highway over Creek</p> <ul style="list-style-type: none"> <li>- Two Barrel Box Culvert (Embankment Fill on Top Slab)</li> </ul>

TSL Ex. 15	Straight Highway over Creek - Three Barrel Box Culvert (No Embankment Fill on Top Slab)
TSL Ex. 16	Straight Highway over Creek - Two Cell Three Sided Pre-Cast Structure (Embankment Fill on Top Slab)
TSL Ex. 17	Retaining Wall along Highway - Drilled Soldier Pile Retaining Wall
TSL Ex. 18	Retaining Wall along Highway - Mechanically Stabilized Earth (MSE) Retaining Wall