



3.6.2 DRAGON'S TEETH	
 <p style="font-size: small; margin-top: 5px;">Source: www.toolkit.irap.org</p>	<p>Description and Purpose:</p> <p>Dragon's teeth are a series of triangular pavement markings along the edge of the travelled lanes. They may be painted with increasing size to give the impression of roadway narrowing. They provide a visual change of the roadway and alert drivers that they are entering a rural community.</p>
<p>Design Details: Not Available</p>	
<p>Advantages:</p> <ul style="list-style-type: none"> ▶ Environment: No increase in noise ▶ Other: <ul style="list-style-type: none"> ○ Can be implemented rapidly ○ No impact to emergency vehicles, snow plowing, street sweeping, and police enforcement ○ No adverse effect on vehicle operations 	
<p>Disadvantages:</p> <ul style="list-style-type: none"> ▶ Maintenance: <ul style="list-style-type: none"> ○ Pavement markings will require regular maintenance ○ May be less effective in winter months due to snow/ice cover ▶ Other: Pavement markings are not visible from significant distances upstream 	
<p>Limited or No Data Available (Further Research Encouraged):</p> <ul style="list-style-type: none"> ▶ Speed reduction ▶ Traffic volume reduction ▶ Conflict reduction 	
<p>Applicability:</p> <ul style="list-style-type: none"> ▶ Road Classification: All roadways ▶ Traffic Conditions: All traffic volumes ▶ Roadway: Primarily rural cross-section, usually two traffic lanes (one each direction) <ul style="list-style-type: none"> ○ Can be considered in urban areas ▶ Entrances to rural communities 	
<p>Elements to Consider:</p> <ul style="list-style-type: none"> ▶ Primarily used as a gateway feature to alert drivers that they are entering a rural community 	
<p>Cost:</p> <ul style="list-style-type: none"> ▶ Low <ul style="list-style-type: none"> ○ Pavement markings are low cost, with the initial cost to lay markings and cost of subsequent maintenance ○ Durable markings have higher initial cost, but require much less regular maintenance, which avoids the traffic impacts of lane closures while repainting the triangles 	

3.6.5 PERIPHERAL TRANSVERSE BARS	
 <p style="text-align: right; font-size: small;">Source: www.fhwa.dot.gov</p>	<p>Description and Purpose:</p> <p>Peripheral transverse bars are a series of parallel pavement markings along the edge of the travelled lane widths. The series of markings may be placed closer together with distance to create the illusion that a vehicle's speed is increasing. This is done to alert the driver's awareness of the need to reduce speed. Peripheral transverse bars are similar to full-lane transverse bars but require less maintenance of pavement markings.</p>
<p>Design Details: Chapter 4, Section 4.6.1</p>	
<p>Advantages:</p> <ul style="list-style-type: none"> ▶ Vehicle Speeds: Reduction in 85th percentile speed up to 8 km/h²⁰ ▶ Environment: No Increase in noise ▶ Other: <ul style="list-style-type: none"> ○ Can be implemented rapidly ○ No impact to emergency vehicles, snow plowing, street sweeping, and police enforcement ○ No adverse effect on vehicle operations 	
<p>Disadvantages:</p> <ul style="list-style-type: none"> ▶ Maintenance: <ul style="list-style-type: none"> ○ Pavement markings will require maintenance but not as frequently compared to full-lane transverse bars ○ May be less effective in winter months due to snow/ice cover ▶ Other: Pavement markings are not visible from significant distances upstream 	
<p>Limited or No Data Available (Further Research Encouraged):</p> <ul style="list-style-type: none"> ▶ Traffic volume reduction ▶ Conflict reduction 	
<p>Applicability:</p> <ul style="list-style-type: none"> ▶ Road Classification: All roadways ▶ Traffic Conditions: All traffic volumes ▶ Roadway: Primarily rural cross-section; can be considered in urban areas <ul style="list-style-type: none"> ○ Preferred where edge and centerlines are provided ▶ Freeway off-ramps, bridge approaches, approach to an intersection, deficient horizontal curves 	
<p>Elements to Consider:</p> <ul style="list-style-type: none"> ▶ Enhanced effect on speeds when used with speed display boards ▶ Effect on speeds may be reduced over time ▶ Avoid overuse so visual effect of the treatment is not jeopardized (restrict use to known accident locations or situations requiring traffic to significantly reduce speed) 	
<p>Cost:</p>	