

## IS YOUR PROJECT AN ITS PROJECT?

An ITS project utilizes advanced information processing, communications, sensing, or control technologies to improve the safety and efficiency of the transportation system.

### EXAMPLES OF ITS PROJECTS

<b>Traffic Management Systems</b>	
<ul style="list-style-type: none"> <li>○ Variable message signs (VMS/DMS) <b>B1</b><b>B2</b></li> <li>○ Vehicle detection systems <b>B1</b><b>B2</b></li> <li>○ Ramp meters <b>B1</b></li> <li>○ Variable speed limit systems <b>C</b></li> </ul>	<ul style="list-style-type: none"> <li>○ Closed-circuit television cameras <b>B1</b><b>B2</b></li> <li>○ Lane control signs <b>B1</b><b>B2</b></li> <li>○ Gate closure systems <b>B1</b></li> <li>○ Traffic management software <b>B1</b><b>B2</b></li> </ul>
<b>Traffic Signal Systems</b>	
<ul style="list-style-type: none"> <li>○ Interconnecting traffic signals <b>A</b></li> <li>○ Emergency vehicle preemption (EVP) <b>A</b><b>B2</b></li> <li>○ Flashing yellow arrows (FYA) <b>A</b></li> <li>○ Red light running systems <b>B2</b></li> </ul>	<ul style="list-style-type: none"> <li>○ Transit signal priority (TSP) <b>A</b><b>B2</b></li> <li>○ Advance warning flashers <b>A</b></li> <li>○ Traffic signal control software <b>B2</b></li> <li>○ Enforcement light systems <b>A</b></li> </ul>
<b>Information Dissemination Systems</b>	
<ul style="list-style-type: none"> <li>○ Radio broadcasts (e.g. highway advisory radio (HAR)) <b>B1</b><b>B2</b></li> </ul>	<ul style="list-style-type: none"> <li>○ 511 systems <b>B1</b><b>B2</b></li> <li>○ Internet websites/webpages <b>B1</b><b>B2</b></li> </ul>
<b>Vehicle Management</b>	
<ul style="list-style-type: none"> <li>○ Automatic vehicle location (AVL) systems <b>B1</b><b>C</b></li> <li>○ Computer-aided dispatch (CAD) <b>B1</b><b>C</b></li> </ul>	<ul style="list-style-type: none"> <li>○ Mobile data terminal (MDT)/mobile data computer (MDC) <b>B1</b><b>C</b></li> </ul>
<b>Infrastructure-Based Safety Warning Systems</b>	
<ul style="list-style-type: none"> <li>○ Intersection warning systems <b>C</b></li> <li>○ Curve warning systems <b>C</b></li> <li>○ Overheight/overwidth warning systems <b>C</b></li> <li>○ Queue warning systems <b>C</b></li> </ul>	<ul style="list-style-type: none"> <li>○ Railroad-highway grade crossing signals and gates <b>A</b></li> <li>○ Truck rollover warning systems <b>C</b></li> <li>○ Animal warning systems <b>C</b></li> <li>○ Flood warning systems <b>C</b></li> </ul>
<b>Road Weather Management Systems</b>	
<ul style="list-style-type: none"> <li>○ Road weather information systems/stations (RWIS) <b>A</b></li> </ul>	<ul style="list-style-type: none"> <li>○ Automated anti-/de-icing systems <b>C</b></li> </ul>
<b>Parking Management Systems</b> <b>C</b>	
<b>Electronic Toll Collection Systems</b> <b>B1</b>	
<b>Commercial Vehicle Operations</b>	
<ul style="list-style-type: none"> <li>○ Weigh-in-motion (WIM) sensors/stations <b>A</b></li> </ul>	<ul style="list-style-type: none"> <li>○ Electronic screening systems <b>C</b></li> </ul>
<b>Communications Systems</b>	
<ul style="list-style-type: none"> <li>○ Fiber optic network <b>B1</b><b>B2</b><b>C</b></li> <li>○ Twisted pair <b>B2</b><b>C</b></li> </ul>	<ul style="list-style-type: none"> <li>○ Wireless network <b>B1</b><b>B2</b><b>C</b></li> <li>○ Coaxial cables <b>B2</b><b>C</b></li> </ul>
<b>Advance Vehicle Technology</b>	
<ul style="list-style-type: none"> <li>○ In-vehicle signing <b>C</b></li> <li>○ Connected vehicles <b>C</b></li> </ul>	<ul style="list-style-type: none"> <li>○ Collision warning systems <b>C</b></li> </ul>

#### Legends:

**A** Class A (Standard ITS Applications)

**B2** Class B-2 (Arterial Traffic Management Applications)

**B1** Class B-1 (Freeway Traffic Management Applications)

**C** Class C (Large/Complex Projects)