Work Zone Manager

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MassDOT Highway - Transportation Technology Group
MassDOT Work Zone Manager

- FHWA initiative
- Central system to track and publish work zone traffic data to the public
- Active work zone activity alerts
- Intent – make travel on the roadways safer
Work Zone Manager (WZM)

Pulls data from:

• Smart Work Zones (RTTM, dynamic lane merge, speed reduction, etc.)
• Everbridge (road work notification)
• Lane closures to produce a Work Zone Data Exchange (WZDx)

Pushes data to:

• Public third-party users such as mapping companies
Lane Closure Request Application

Location (Road Event 1)
Required fields are marked with an asterisk (*).

Coordinates
Select the road event start and end coordinates using the map above.

Start Latitude: 42.16651414447658
End Latitude: 42.1801288016944
Start Longitude: -72.273133661787
End Longitude: -72.20474776479898
Field Devices – Start Marker
Field Devices – Connected Arrow Board
Field Devices – End Marker
WZM Field Device Back End

Meets the WZDx Device Feed Specification

- Unique ID
- Road Event
  (shown as “unassociated” in example but will be linked to a planned event from the Lane Closure Request Application)
- Device Type
- Device State (function)
- Roadway Location

Field Devices

<table>
<thead>
<tr>
<th>Id</th>
<th>Name</th>
<th>Road Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>83d69cab-ce82-4d81-b4b7-5f891bf0fc0</td>
<td>WZ START Marker (Green)</td>
<td>Unassociated (RT) - New</td>
</tr>
<tr>
<td>40cf8689-145b-4aba-94df-7158649c5e7e</td>
<td>WZ END Marker (Red)</td>
<td>Unassociated (RT) - New</td>
</tr>
<tr>
<td>14963dd1-f27b-4e8b-946b-ff8ab2ae2c14</td>
<td>Smart AB Demo (RT)</td>
<td>Unassociated (RT)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>Device State</th>
<th>Roadway</th>
<th>Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>WorkZoneStart</td>
<td>SR-24 S</td>
<td>Unknown</td>
</tr>
<tr>
<td>Location</td>
<td>WorkZoneEnd</td>
<td>Exit 33A: SR-27 S / Brockton</td>
<td>Unknown</td>
</tr>
<tr>
<td>Arrow Board</td>
<td>LeftArrowFlashing</td>
<td>Unknown</td>
<td></td>
</tr>
</tbody>
</table>