

**ATTACHMENT D**  
**Inland Empire ITS Standards**

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## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
<b>Flow: alert notification coordination</b>		
Source: Border Region Interfaces AASHTO/ITE/NEMA	Destination: CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
Source: CHP CAD System AASHTO/ITE/NEMA	Destination: Border Region Interfaces NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: archive coordination</b>		
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA	Destination: Data Archive NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA	Destination: Performance Monitoring System (PeMS) NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Data Archive AASHTO/ITE/NEMA	Destination: Caltrans D-8 TMC NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Data Archive AASHTO/ITE/NEMA	Destination: Performance Monitoring System (PeMS) NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Performance Monitoring System (PeMS) AASHTO/ITE/NEMA	Destination: Caltrans D-8 TMC NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Performance Monitoring System (PeMS) AASHTO/ITE/NEMA	Destination: Data Archive NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: archive requests</b>		
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA	Destination: CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA ITE	Destination: Corona TMC NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
Source: Data Archive AASHTO/ITE/NEMA ITE	Destination: Caltrans D-8 TMC NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
Source: Data Archive AASHTO/ITE/NEMA	Destination: Metrolink Operations Center NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Data Archive AASHTO/ITE/NEMA	Destination: Municipal and small transit agencies systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Data Archive AASHTO/ITE/NEMA	Destination: North Main Corona Metrolink Station Pkg Mgmt System NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Data Archive AASHTO/ITE/NEMA	Destination: Omnitrans Fixed Route NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Data Archive AASHTO/ITE/NEMA	Destination: Omnitrans Paratransit NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Data Archive AASHTO/ITE/NEMA	Destination: Regional Traveler Information Service Providers NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Data Archive AASHTO/ITE/NEMA	Destination: RTA Fixed Route NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Data Archive AASHTO/ITE/NEMA	Destination: RTA Paratransit NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Data Archive	Destination: SunLine Fixed Route	

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Lead SDO	Standard Name	Document ID
AASHTO/ITE/NEMA <i>Source:</i> Data Archive	NTCIP Center-to-Center Standards Group <i>Destination:</i> SunLine Paratransit	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Performance Monitoring System (PeMS)	NTCIP Center-to-Center Standards Group <i>Destination:</i> Caltrans D-8 Signal Ops	(See Footnote)
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE <i>Source:</i> Performance Monitoring System (PeMS)	Message Sets for External TMC Communication (MS/ETMCC) <i>Destination:</i> Caltrans D-8 TMC	ITE TM 2.01
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE <i>Source:</i> Performance Monitoring System (PeMS)	Message Sets for External TMC Communication (MS/ETMCC) <i>Destination:</i> Fontana Traveler Information	ITE TM 2.01
AASHTO/ITE/NEMA <i>Source:</i> Performance Monitoring System (PeMS)	NTCIP Center-to-Center Standards Group <i>Destination:</i> Regional Traveler Information Service Providers	(See Footnote)
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: archive status</b>		
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group <i>Destination:</i> CHP CAD System	(See Footnote)
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group <i>Destination:</i> Corona TMC	(See Footnote)
<i>Source:</i> Data Archive AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group <i>Destination:</i> Caltrans D-8 TMC	(See Footnote)
<i>Source:</i> Data Archive AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group <i>Destination:</i> Metrolink Operations Center	(See Footnote)
<i>Source:</i> Data Archive AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group <i>Destination:</i> Municipal and small transit agencies systems	(See Footnote)
<i>Source:</i> Data Archive AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group <i>Destination:</i> North Main Corona Metrolink Station Pkg Mgmt System	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Data Archive	NTCIP Center-to-Center Standards Group <i>Destination:</i> Omnitrans Fixed Route	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Data Archive	NTCIP Center-to-Center Standards Group <i>Destination:</i> Omnitrans Paratransit	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Data Archive	NTCIP Center-to-Center Standards Group <i>Destination:</i> Regional Traveler Information Service Providers	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Data Archive	NTCIP Center-to-Center Standards Group <i>Destination:</i> RTA Fixed Route	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Data Archive	NTCIP Center-to-Center Standards Group <i>Destination:</i> RTA Paratransit	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Data Archive	NTCIP Center-to-Center Standards Group <i>Destination:</i> SunLine Fixed Route	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Data Archive	NTCIP Center-to-Center Standards Group <i>Destination:</i> SunLine Paratransit	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Performance Monitoring System (PeMS)	NTCIP Center-to-Center Standards Group <i>Destination:</i> Caltrans D-8 Signal Ops	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Performance Monitoring System (PeMS)	NTCIP Center-to-Center Standards Group <i>Destination:</i> Caltrans D-8 TMC	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Performance Monitoring System (PeMS)	NTCIP Center-to-Center Standards Group <i>Destination:</i> Fontana Traveler Information	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Performance Monitoring System (PeMS)	NTCIP Center-to-Center Standards Group <i>Destination:</i> Regional Traveler Information Service Providers	(See Footnote)

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Lead SDO	Standard Name	Document ID
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: arriving train information</b>		
Source: Rail Grade Crossing Warning Eqpt. IEEE	Destination: Caltrans D-8 Signal Ops Roadside Equipment Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
Source: Rail Grade Crossing Warning Eqpt. IEEE	Destination: Corona TMC Roadside Equipment Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
Source: Rail Grade Crossing Warning Eqpt. IEEE	Destination: Fontana TMC Roadside Equipment Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
Source: Rail Grade Crossing Warning Eqpt. IEEE	Destination: Local City and County Roadside Equipment Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<b>Flow: bad tag list</b>		
Source: Metrolink Operations Center AASHTO/ITE/NEMA	Destination: Metrolink Trains TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
Source: Municipal and small transit agencies systems AASHTO/ITE/NEMA	Destination: Municipal and small transit agencies vehicles TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
Source: Omnitrans Fixed Route AASHTO/ITE/NEMA	Destination: Omnitrans Transit Vehicles TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
Source: RTA Fixed Route AASHTO/ITE/NEMA	Destination: RTA Transit Vehicles TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
Source: RTA Paratransit AASHTO/ITE/NEMA	Destination: RTA Transit Vehicles TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
Source: SunLine Fixed Route AASHTO/ITE/NEMA	Destination: SunLine Transit Vehicles TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
Source: SunLine Paratransit AASHTO/ITE/NEMA	Destination: SunLine Transit Vehicles TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<b>Flow: broadcast information</b>		
Source: Fontana Traveler Information SAE	Destination: User Personal Computing Devices Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: Media SAE	Destination: User Personal Computing Devices Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: Regional Traveler Information Service Providers SAE	Destination: User Personal Computing Devices Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<b>Flow: commercial vehicle archive data</b>		
Source: Caltrans CVO Administration (Pre-pass) ANSI	Destination: Data Archive Commercial Vehicle Safety and Credentials Information Exchange	ANSI TS285
ANSI	Commercial Vehicle Credentials	ANSI TS286

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Lead SDO	Standard Name	Document ID
Source: DMV CVO Administration (PrePass) ANSI	Destination: Data Archive Commercial Vehicle Safety and Credentials Information Exchange	ANSI TS285
ANSI	Commercial Vehicle Credentials	ANSI TS286
<b>Flow: credentials information</b>		
Source: Caltrans CVO Administration (Pre-pass) ANSI	Destination: CVO Weigh Stations (including weigh-in-motion) Commercial Vehicle Credentials	ANSI TS286
Source: Caltrans CVO Administration (Pre-pass) ANSI	Destination: DMV CVO Administration (PrePass) Commercial Vehicle Credentials	ANSI TS286
Source: DMV CVO Administration (PrePass) ANSI	Destination: Caltrans CVO Administration (Pre-pass) Commercial Vehicle Credentials	ANSI TS286
Source: DMV CVO Administration (PrePass) ANSI	Destination: CVO Weigh Stations (including weigh-in-motion) Commercial Vehicle Credentials	ANSI TS286
<b>Flow: credentials status information</b>		
Source: Caltrans CVO Administration (Pre-pass) ANSI	Destination: CVO Weigh Stations (including weigh-in-motion) Commercial Vehicle Safety and Credentials Information Exchange	ANSI TS285
Source: Caltrans CVO Administration (Pre-pass) ANSI	Destination: DMV CVO Administration (PrePass) Commercial Vehicle Safety and Credentials Information Exchange	ANSI TS285
Source: DMV CVO Administration (PrePass) ANSI	Destination: Caltrans CVO Administration (Pre-pass) Commercial Vehicle Safety and Credentials Information Exchange	ANSI TS285
Source: DMV CVO Administration (PrePass) ANSI	Destination: CVO Weigh Stations (including weigh-in-motion) Commercial Vehicle Safety and Credentials Information Exchange	ANSI TS285
<b>Flow: current asset restrictions</b>		
Source: Caltrans D-8 Maintenance and Construction Mgmt System AASHTO/ITE/NEMA	Destination: Fontana Traveler Information NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Caltrans D-8 Maintenance and Construction Mgmt System AASHTO/ITE/NEMA	Destination: Local City and County Signal Systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Caltrans D-8 Maintenance and Construction Mgmt System AASHTO/ITE/NEMA	Destination: Regional Traveler Information Service Providers NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: data collection and monitoring control</b>		
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	Destination: Caltrans D-8 TMC Roadside Equipment NTCIP Center-to-Field Standards Group Global Object Definitions Data Collection & Monitoring Devices	(See Footnote) NTCIP 1201 NTCIP 1206
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	Destination: Riverside County Smart Call Boxes NTCIP Center-to-Field Standards Group Global Object Definitions Data Collection & Monitoring Devices	(See Footnote) NTCIP 1201 NTCIP 1206
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	Destination: San Bernardino County Smart Call Boxes NTCIP Center-to-Field Standards Group Global Object Definitions Data Collection & Monitoring Devices	(See Footnote) NTCIP 1201 NTCIP 1206
<b>Flow: electronic screening request</b>		

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Lead SDO	Standard Name	Document ID
<p>Source: CVO Weigh Stations (including weigh-in-motion)</p> <p>ASTM</p> <p>IEEE</p> <p>1999</p>	<p>Destination: Commercial Vehicles</p> <p>Dedicated Short Range Communication at 915 MHz Standards Group</p> <p>Standard for Message Sets for Vehicle/Roadside Communications</p>	<p>(See Footnote)</p> <p>IEEE Std 1455-</p>
<b>Flow: emergency notification</b>		
<p>Source: Metrolink Trains</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: Metrolink Operations Center</p> <p>TCIP - Incident Management (IM) Business Area Standard</p> <p>TCIP - Onboard (OB) Business Area Standard</p> <p>TCIP - Control Center (CC) Business Area Standard</p>	<p>NTCIP 1402</p> <p>NTCIP 1406</p> <p>NTCIP 1407</p>
<p>Source: Omnitrans Transit Vehicles</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: Local Police and Sheriff Departments Systems</p> <p>TCIP - Incident Management (IM) Business Area Standard</p> <p>TCIP - Onboard (OB) Business Area Standard</p> <p>TCIP - Control Center (CC) Business Area Standard</p>	<p>NTCIP 1402</p> <p>NTCIP 1406</p> <p>NTCIP 1407</p>
<p>Source: Omnitrans Transit Vehicles</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: Omnitrans Fixed Route</p> <p>TCIP - Incident Management (IM) Business Area Standard</p> <p>TCIP - Onboard (OB) Business Area Standard</p> <p>TCIP - Control Center (CC) Business Area Standard</p>	<p>NTCIP 1402</p> <p>NTCIP 1406</p> <p>NTCIP 1407</p>
<p>Source: RTA Transit Vehicles</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: Local Police and Sheriff Departments Systems</p> <p>TCIP - Incident Management (IM) Business Area Standard</p> <p>TCIP - Onboard (OB) Business Area Standard</p> <p>TCIP - Control Center (CC) Business Area Standard</p>	<p>NTCIP 1402</p> <p>NTCIP 1406</p> <p>NTCIP 1407</p>
<p>Source: RTA Transit Vehicles</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: RTA Fixed Route</p> <p>TCIP - Incident Management (IM) Business Area Standard</p> <p>TCIP - Onboard (OB) Business Area Standard</p> <p>TCIP - Control Center (CC) Business Area Standard</p>	<p>NTCIP 1402</p> <p>NTCIP 1406</p> <p>NTCIP 1407</p>
<p>Source: SunLine Transit Vehicles</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: Local Police and Sheriff Departments Systems</p> <p>TCIP - Incident Management (IM) Business Area Standard</p> <p>TCIP - Onboard (OB) Business Area Standard</p> <p>TCIP - Control Center (CC) Business Area Standard</p>	<p>NTCIP 1402</p> <p>NTCIP 1406</p> <p>NTCIP 1407</p>
<p>Source: SunLine Transit Vehicles</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: SunLine Fixed Route</p> <p>TCIP - Incident Management (IM) Business Area Standard</p> <p>TCIP - Onboard (OB) Business Area Standard</p> <p>TCIP - Control Center (CC) Business Area Standard</p>	<p>NTCIP 1402</p> <p>NTCIP 1406</p> <p>NTCIP 1407</p>
<b>Flow: emergency plan coordination</b>		
<p>Source: Border Region Interfaces</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: CHP CAD System</p> <p>NTCIP Center-to-Center Standards Group</p>	<p>(See Footnote)</p>
<p>Source: CHP CAD System</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: Border Region Interfaces</p> <p>NTCIP Center-to-Center Standards Group</p>	<p>(See Footnote)</p>
<b>Flow: emergency route request</b>		
<p>Source: CHP CAD System</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: Caltrans D-8 Signal Ops</p> <p>NTCIP Center-to-Center Standards Group</p>	<p>(See Footnote)</p>
<p>Source: CHP CAD System</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: Corona TMC</p> <p>NTCIP Center-to-Center Standards Group</p>	<p>(See Footnote)</p>
<p>Source: CHP CAD System</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: Fontana TMC</p> <p>NTCIP Center-to-Center Standards Group</p>	<p>(See Footnote)</p>
<p>Source: CHP CAD System</p> <p>AASHTO/ITE/NEMA</p>	<p>Destination: Local City and County Signal Systems</p> <p>NTCIP Center-to-Center Standards Group</p>	<p>(See Footnote)</p>
<p>Source: CHP CAD System</p>	<p>Destination: Temecula TOC</p>	

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Lead SDO	Standard Name	Document ID
AASHTO/ITE/NEMA <i>Source:</i> Fontana Police Dispatch Center	NTCIP Center-to-Center Standards Group <i>Destination:</i> Caltrans D-8 Signal Ops	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Fontana Police Dispatch Center	NTCIP Center-to-Center Standards Group <i>Destination:</i> Corona TMC	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Fontana Police Dispatch Center	NTCIP Center-to-Center Standards Group <i>Destination:</i> Fontana TMC	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Fontana Police Dispatch Center	NTCIP Center-to-Center Standards Group <i>Destination:</i> Local City and County Signal Systems	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Fontana Police Dispatch Center	NTCIP Center-to-Center Standards Group <i>Destination:</i> Temecula TOC	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Local and other Fire Departments Systems	NTCIP Center-to-Center Standards Group <i>Destination:</i> Caltrans D-8 Signal Ops	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Local and other Fire Departments Systems	NTCIP Center-to-Center Standards Group <i>Destination:</i> Corona TMC	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Local and other Fire Departments Systems	NTCIP Center-to-Center Standards Group <i>Destination:</i> Fontana TMC	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Local and other Fire Departments Systems	NTCIP Center-to-Center Standards Group <i>Destination:</i> Local City and County Signal Systems	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Local and other Fire Departments Systems	NTCIP Center-to-Center Standards Group <i>Destination:</i> Temecula TOC	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Local Police and Sheriff Departments Systems	NTCIP Center-to-Center Standards Group <i>Destination:</i> Caltrans D-8 Signal Ops	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Local Police and Sheriff Departments Systems	NTCIP Center-to-Center Standards Group <i>Destination:</i> Corona TMC	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Local Police and Sheriff Departments Systems	NTCIP Center-to-Center Standards Group <i>Destination:</i> Fontana TMC	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Local Police and Sheriff Departments Systems	NTCIP Center-to-Center Standards Group <i>Destination:</i> Local City and County Signal Systems	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Local Police and Sheriff Departments Systems	NTCIP Center-to-Center Standards Group <i>Destination:</i> Temecula TOC	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Local Police and Sheriff Departments Systems	NTCIP Center-to-Center Standards Group	(See Footnote)

### *Flow: emergency routes*

<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA	<i>Destination:</i> CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA	<i>Destination:</i> Fontana Police Dispatch Center NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA	<i>Destination:</i> Local and other Fire Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA	<i>Destination:</i> Local Police and Sheriff Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Corona TMC AASHTO/ITE/NEMA	<i>Destination:</i> CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Corona TMC AASHTO/ITE/NEMA	<i>Destination:</i> Fontana Police Dispatch Center NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Corona TMC AASHTO/ITE/NEMA	<i>Destination:</i> Local and other Fire Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Corona TMC AASHTO/ITE/NEMA	<i>Destination:</i> Local Police and Sheriff Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Fontana TMC AASHTO/ITE/NEMA	<i>Destination:</i> CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Fontana TMC AASHTO/ITE/NEMA	<i>Destination:</i> Fontana Police Dispatch Center NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Fontana TMC AASHTO/ITE/NEMA	<i>Destination:</i> Local and other Fire Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)

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Lead SDO	Standard Name	Document ID
Source: Fontana TMC AASHTO/ITE/NEMA	Destination: Local Police and Sheriff Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Local City and County Signal Systems AASHTO/ITE/NEMA	Destination: CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Local City and County Signal Systems AASHTO/ITE/NEMA	Destination: Fontana Police Dispatch Center NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Local City and County Signal Systems AASHTO/ITE/NEMA	Destination: Local and other Fire Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Local City and County Signal Systems AASHTO/ITE/NEMA	Destination: Local Police and Sheriff Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Temecula TOC AASHTO/ITE/NEMA	Destination: CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Temecula TOC AASHTO/ITE/NEMA	Destination: Fontana Police Dispatch Center NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Temecula TOC AASHTO/ITE/NEMA	Destination: Local and other Fire Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Temecula TOC AASHTO/ITE/NEMA	Destination: Local Police and Sheriff Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: emergency traffic control information</b>		
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA IEEE	Destination: CHP CAD System NTCIP Center-to-Center Standards Group Global Object Definitions Objects for Signal Control Priority Incident Management Standards Group	(See Footnote) NTCIP 1201 NTCIP 1211 (See Footnote)
Source: Fontana TMC AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA IEEE	Destination: Fontana Police Dispatch Center NTCIP Center-to-Center Standards Group Global Object Definitions Objects for Signal Control Priority Incident Management Standards Group	(See Footnote) NTCIP 1201 NTCIP 1211 (See Footnote)
<b>Flow: emergency traffic control request</b>		
Source: CHP CAD System AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA IEEE	Destination: Caltrans D-8 TMC NTCIP Center-to-Center Standards Group Global Object Definitions Objects for Signal Control Priority Incident Management Standards Group	(See Footnote) NTCIP 1201 NTCIP 1211 (See Footnote)
Source: Fontana Police Dispatch Center AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA IEEE	Destination: Fontana TMC NTCIP Center-to-Center Standards Group Global Object Definitions Objects for Signal Control Priority Incident Management Standards Group	(See Footnote) NTCIP 1201 NTCIP 1211 (See Footnote)
<b>Flow: environmental conditions data</b>		
Source: Caltrans D-8 TMC Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	Destination: Caltrans D-8 TMC NTCIP Center-to-Field Standards Group Global Object Definitions Object Definitions for Environmental Sensor Stations & Roadside Weather Information System	(See Footnote) NTCIP 1201 NTCIP 1204
<b>Flow: equipment maintenance status</b>		
Source: Caltrans D-8 Maintenance and Construction Mgmt System AASHTO/ITE/NEMA	Destination: Caltrans D-8 TMC NTCIP Center-to-Center Standards Group	(See Footnote)



## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
<b>Flow: evacuation coordination</b>		
Source: Border Region Interfaces AASHTO/ITE/NEMA	Destination: CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
Source: CHP CAD System AASHTO/ITE/NEMA	Destination: Border Region Interfaces NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: external reports</b>		
Source: Media AASHTO/ITE/NEMA	Destination: Fontana Traveler Information NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Media AASHTO/ITE/NEMA	Destination: Regional Traveler Information Service Providers NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: fare and payment status</b>		
Source: Municipal and small transit agencies vehicles AASHTO/ITE/NEMA	Destination: Municipal and small transit agencies systems TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
Source: Omnitrans Transit Vehicles AASHTO/ITE/NEMA	Destination: Omnitrans Fixed Route TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
Source: SunLine Transit Vehicles AASHTO/ITE/NEMA	Destination: SunLine Paratransit TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<b>Flow: fare management information</b>		
Source: Municipal and small transit agencies systems AASHTO/ITE/NEMA	Destination: Municipal and small transit agencies vehicles TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
Source: RTA Paratransit AASHTO/ITE/NEMA	Destination: RTA Transit Vehicles TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
Source: SunLine Fixed Route AASHTO/ITE/NEMA	Destination: SunLine Transit Vehicles TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
Source: SunLine Paratransit AASHTO/ITE/NEMA	Destination: SunLine Transit Vehicles TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<b>Flow: field equipment status</b>		
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA	Destination: Caltrans D-8 Maintenance and Construction Mgmt System NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<b>Flow: freeway control data</b>		
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA	Destination: Caltrans D-8 TMC Roadside Equipment NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Ramp Meter Controller Objects	NTCIP 1207
<b>Flow: freeway control status</b>		

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
<i>Source:</i> Caltrans D-8 TMC Roadside Equipment AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans D-8 TMC NTCIP Center-to-Field Standards Group Global Object Definitions Ramp Meter Controller Objects	(See Footnote) NTCIP 1201 NTCIP 1207
<b>Flow: hri control data</b>		
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment NTCIP Center-to-Field Standards Group	(See Footnote)
<b>Flow: hri operational status</b>		
<i>Source:</i> Caltrans D-8 Signal Ops Roadside Equipment IEEE	<i>Destination:</i> Rail Grade Crossing Warning Eqpt. Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i> Corona TMC Roadside Equipment IEEE	<i>Destination:</i> Rail Grade Crossing Warning Eqpt. Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i> Fontana TMC Roadside Equipment IEEE	<i>Destination:</i> Rail Grade Crossing Warning Eqpt. Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i> Local City and County Roadside Equipment IEEE	<i>Destination:</i> Rail Grade Crossing Warning Eqpt. Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<b>Flow: hri request</b>		
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment NTCIP Center-to-Field Standards Group	(See Footnote)
<b>Flow: hri status</b>		
<i>Source:</i> Caltrans D-8 Signal Ops Roadside Equipment AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans D-8 Signal Ops NTCIP Center-to-Field Standards Group	(See Footnote)
<b>Flow: incident command information coordination</b>		
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA IEEE	<i>Destination:</i> CHP CAD System NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA IEEE	<i>Destination:</i> Fontana Police Dispatch Center NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA IEEE	<i>Destination:</i> Local and other Fire Departments Systems NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA IEEE	<i>Destination:</i> Local Police and Sheriff Departments Systems NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA IEEE	<i>Destination:</i> Riverside Freeway Service Patrol NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA IEEE	<i>Destination:</i> San Bernardino Freeway Service Patrol NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Border Region Interfaces AASHTO/ITE/NEMA IEEE	<i>Destination:</i> CHP CAD System NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Fontana Police Dispatch Center	

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Local and other Fire Departments Systems	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Fontana Police Dispatch Center	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Local and other Fire Departments Systems	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Riverside Freeway Service Patrol	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> San Bernardino Freeway Service Patrol	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> Local and other Fire Departments Systems	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> Riverside Freeway Service Patrol	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> San Bernardino Freeway Service Patrol	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Fontana Police Dispatch Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Riverside Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> San Bernardino Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Fontana Police Dispatch Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Local and other Fire Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Riverside Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> San Bernardino Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Riverside Freeway Service Patrol	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Riverside Freeway Service Patrol	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Riverside Freeway Service Patrol	<i>Destination:</i> Fontana Police Dispatch Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Riverside Freeway Service Patrol	<i>Destination:</i> Local and other Fire Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Riverside Freeway Service Patrol	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Riverside Freeway Service Patrol	<i>Destination:</i> San Bernardino Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> San Bernardino Freeway Service Patrol	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> San Bernardino Freeway Service Patrol	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> San Bernardino Freeway Service Patrol	<i>Destination:</i> Fontana Police Dispatch Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> San Bernardino Freeway Service Patrol	<i>Destination:</i> Local and other Fire Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> San Bernardino Freeway Service Patrol	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> San Bernardino Freeway Service Patrol	<i>Destination:</i> Riverside Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

### Flow: incident information

<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Caltrans D-8 Maintenance and Construction Mgmt System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> CHP CAD System	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> CHP CAD System	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> Fontana Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<b>Flow: incident information for media</b>		
<i>Source:</i> CHP CAD System	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<b>Flow: incident report</b>		
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Fontana Police Dispatch Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Local and other Fire Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Riverside Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> San Bernardino Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Fontana Police Dispatch Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Local and other Fire Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Riverside Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> San Bernardino Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Inland Empire Call Answering Center	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Local and other Fire Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Riverside Freeway Service Patrol	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Riverside Freeway Service Patrol	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> San Bernardino Freeway Service Patrol	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> San Bernardino Freeway Service Patrol	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

### *Flow: incident response coordination*

<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Fontana Police Dispatch Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Local and other Fire Departments Systems	

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Riverside Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> San Bernardino Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Fontana Police Dispatch Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Local and other Fire Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Riverside Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> San Bernardino Freeway Service Patrol	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Fontana Police Dispatch Center	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Departments Systems	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)



## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Local and other Fire Departments Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Riverside Freeway Service Patrol	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Riverside Freeway Service Patrol	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> San Bernardino Freeway Service Patrol	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> San Bernardino Freeway Service Patrol	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

### Flow: incident response status

<i>Source:</i> CHP CAD System	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Metrolink Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> Omnitrans Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> RTA Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems	<i>Destination:</i> SunLine Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

### Flow: intersection blockage notification

<i>Source:</i> Caltrans D-8 Signal Ops Roadside Equipment	<i>Destination:</i> Rail Grade Crossing Warning Eqpt.	
IEEE	Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i> Corona TMC Roadside Equipment	<i>Destination:</i> Rail Grade Crossing Warning Eqpt.	
IEEE	Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i> Fontana TMC Roadside Equipment	<i>Destination:</i> Rail Grade Crossing Warning Eqpt.	
IEEE	Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i> Local City and County Roadside Equipment	<i>Destination:</i> Rail Grade Crossing Warning Eqpt.	
IEEE	Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002

### Flow: ISP coordination

<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use	(See Footnote)

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
	Standards Group	
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA SAE	<i>Destination:</i> Fontana TMC NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA SAE	<i>Destination:</i> Fontana Traveler Information NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA SAE	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA SAE	<i>Destination:</i> Regional Traveler Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Border Region Interfaces AASHTO/ITE/NEMA SAE	<i>Destination:</i> Caltrans D-8 TMC NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Border Region Interfaces AASHTO/ITE/NEMA SAE	<i>Destination:</i> Fontana TMC NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Border Region Interfaces AASHTO/ITE/NEMA SAE	<i>Destination:</i> Fontana Traveler Information NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Border Region Interfaces AASHTO/ITE/NEMA SAE	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Border Region Interfaces AASHTO/ITE/NEMA SAE	<i>Destination:</i> Regional Traveler Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA SAE	<i>Destination:</i> Arterial Traffic Data Exchange NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA SAE	<i>Destination:</i> Border Region Interfaces NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA SAE	<i>Destination:</i> Corona TMC NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA SAE	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA SAE	<i>Destination:</i> Regional Traveler Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use	(See Footnote) (See Footnote)

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
	Standards Group	
<i>Source:</i> Corona TMC AASHTO/ITE/NEMA SAE	<i>Destination:</i> Caltrans D-8 TMC NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana TMC AASHTO/ITE/NEMA SAE	<i>Destination:</i> Arterial Traffic Data Exchange NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana TMC AASHTO/ITE/NEMA SAE	<i>Destination:</i> Border Region Interfaces NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana TMC AASHTO/ITE/NEMA SAE	<i>Destination:</i> Fontana Traveler Information NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Traveler Information AASHTO/ITE/NEMA SAE	<i>Destination:</i> Arterial Traffic Data Exchange NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Traveler Information AASHTO/ITE/NEMA SAE	<i>Destination:</i> Border Region Interfaces NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Traveler Information AASHTO/ITE/NEMA SAE	<i>Destination:</i> Fontana TMC NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Traveler Information AASHTO/ITE/NEMA SAE	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Traveler Information AASHTO/ITE/NEMA SAE	<i>Destination:</i> Regional Traveler Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Media AASHTO/ITE/NEMA SAE	<i>Destination:</i> Arterial Traffic Data Exchange NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Media AASHTO/ITE/NEMA SAE	<i>Destination:</i> Border Region Interfaces NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Media AASHTO/ITE/NEMA SAE	<i>Destination:</i> Caltrans D-8 TMC NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Media AASHTO/ITE/NEMA SAE	<i>Destination:</i> Fontana Traveler Information NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Media AASHTO/ITE/NEMA SAE	<i>Destination:</i> Regional Traveler Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use	(See Footnote) (See Footnote)

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
	Standards Group	
<i>Source:</i> Regional Traveler Information Service Providers	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Regional Traveler Information Service Providers	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Regional Traveler Information Service Providers	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Regional Traveler Information Service Providers	<i>Destination:</i> Fontana Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Regional Traveler Information Service Providers	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

**Flow: local signal preemption request**

<i>Source:</i> CHP Vehicles	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Fontana Emergency Vehicles	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Fontana Emergency Vehicles	<i>Destination:</i> Fontana TMC Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Vehicles	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Vehicles	<i>Destination:</i> Corona TMC Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Vehicles	<i>Destination:</i> Local City and County Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Local and other Fire Vehicles	<i>Destination:</i> Temecula TOC Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Dept Vehicles	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Dept Vehicles	<i>Destination:</i> Corona TMC Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Dept Vehicles	<i>Destination:</i> Local City and County Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Local Police and Sheriff Dept Vehicles	<i>Destination:</i> Temecula TOC Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)

**Flow: local signal priority request**

<i>Source:</i> Municipal and small transit agencies vehicles	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Municipal and small transit agencies vehicles	<i>Destination:</i> Corona TMC Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Municipal and small transit agencies vehicles	<i>Destination:</i> Fontana TMC Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Municipal and small transit agencies vehicles	<i>Destination:</i> Local City and County Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Omnitrans Transit Vehicles	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Omnitrans Transit Vehicles	<i>Destination:</i> Fontana TMC Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> Omnitrans Transit Vehicles	<i>Destination:</i> Local City and County Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> RTA Transit Vehicles	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> RTA Transit Vehicles	<i>Destination:</i> Corona TMC Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> RTA Transit Vehicles	<i>Destination:</i> Local City and County Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz	(See Footnote)

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
SAE/IEEE	Standards Group Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> RTA Transit Vehicles	<i>Destination:</i> Temecula TOC Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> SunLine Transit Vehicles	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)
<i>Source:</i> SunLine Transit Vehicles	<i>Destination:</i> Local City and County Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
SAE/IEEE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Footnote)

### Flow: maint and constr archive data

<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

### Flow: maint and constr resource request

<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Caltrans D-8 Maintenance and Construction Mgmt System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

### Flow: maint and constr resource response

<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

### Flow: maint and constr work plans

<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Fontana Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Local City and County Signal Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Regional Traveler Information Service Providers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

### Flow: media information request

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
<i>Source: Media</i> AASHTO/ITE/NEMA ITE	<i>Destination: Caltrans D-8 TMC</i> NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source: Media</i> AASHTO/ITE/NEMA IEEE	<i>Destination: CHP CAD System</i> NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source: Media</i> AASHTO/ITE/NEMA SAE	<i>Destination: Fontana Traveler Information</i> NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source: Media</i> AASHTO/ITE/NEMA IEEE	<i>Destination: Local Police and Sheriff Departments Systems</i> NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source: Media</i> AASHTO/ITE/NEMA	<i>Destination: Metrolink Operations Center</i> NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source: Media</i> AASHTO/ITE/NEMA	<i>Destination: Municipal and small transit agencies systems</i> NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source: Media</i> AASHTO/ITE/NEMA	<i>Destination: Omnitrans Fixed Route</i> NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source: Media</i> AASHTO/ITE/NEMA SAE	<i>Destination: Regional Traveler Information Service Providers</i> NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source: Media</i> AASHTO/ITE/NEMA	<i>Destination: RTA Fixed Route</i> NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source: Media</i> AASHTO/ITE/NEMA	<i>Destination: SunLine Fixed Route</i> NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: parking archive data</b>		
<i>Source: North Main Corona Metrolink Station Pkg</i> Mgmt System AASHTO/ITE/NEMA	<i>Destination: Data Archive</i> NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: parking information</b>		
<i>Source: North Main Corona Metrolink Station Pkg</i> Mgmt System AASHTO/ITE/NEMA SAE	<i>Destination: Media</i> NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source: North Main Corona Metrolink Station Pkg</i> Mgmt System AASHTO/ITE/NEMA AASHTO/ITE/NEMA SAE	<i>Destination: Metrolink Operations Center</i> NTCIP Center-to-Center Standards Group TCIP - Passenger Information (PI) Business Area Standard Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) NTCIP 1403 (See Footnote)
<i>Source: North Main Corona Metrolink Station Pkg</i> Mgmt System AASHTO/ITE/NEMA AASHTO/ITE/NEMA SAE	<i>Destination: Municipal and small transit agencies systems</i> NTCIP Center-to-Center Standards Group TCIP - Passenger Information (PI) Business Area Standard Advanced Traveler Information Systems (ATIS) General Use	(See Footnote) NTCIP 1403 (See Footnote)



## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
	Standards Group	
<i>Source:</i> North Main Corona Metrolink Station Pkg Mgmt System		<i>Destination:</i> Regional Traveler Information Service Providers
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> North Main Corona Metrolink Station Pkg Mgmt System		<i>Destination:</i> RTA Fixed Route
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

### *Flow:* parking lot data request

<i>Source:</i> Media		<i>Destination:</i> North Main Corona Metrolink Station Pkg Mgmt System
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Omnitrans Fixed Route		<i>Destination:</i> North Main Corona Metrolink Station Pkg Mgmt System
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
<i>Source:</i> Regional Traveler Information Service Providers		<i>Destination:</i> North Main Corona Metrolink Station Pkg Mgmt System
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> RTA Fixed Route		<i>Destination:</i> North Main Corona Metrolink Station Pkg Mgmt System
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
<i>Source:</i> SunLine Fixed Route		<i>Destination:</i> North Main Corona Metrolink Station Pkg Mgmt System
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403

### *Flow:* pass/pull-in

<i>Source:</i> CVO Weigh Stations (including weigh-in-motion)		<i>Destination:</i> Commercial Vehicles
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE Std 1455-1999

### *Flow:* remote surveillance control

<i>Source:</i> CHP CAD System		<i>Destination:</i> Caltrans D-8 TMC
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01

### *Flow:* request for vehicle measures

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
<i>Source:</i> SunLine Fixed Route AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> SunLine Transit Vehicles TCIP - Onboard (OB) Business Area Standard TCIP - Control Center (CC) Business Area Standard	NTCIP 1406 NTCIP 1407
<b>Flow: request tag data</b>		
<i>Source:</i> CVO Weigh Stations (including weigh-in-motion) ASTM	<i>Destination:</i> Commercial Vehicles Dedicated Short Range Communication at 915 MHz Standards Group	(See Footnote)
<b>Flow: resource coordination</b>		
<i>Source:</i> Border Region Interfaces AASHTO/ITE/NEMA IEEE	<i>Destination:</i> CHP CAD System NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> CHP CAD System AASHTO/ITE/NEMA IEEE	<i>Destination:</i> Border Region Interfaces NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> CHP CAD System AASHTO/ITE/NEMA IEEE	<i>Destination:</i> Riverside Freeway Service Patrol NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> CHP CAD System AASHTO/ITE/NEMA IEEE	<i>Destination:</i> San Bernardino Freeway Service Patrol NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Local and other Fire Departments Systems AASHTO/ITE/NEMA IEEE	<i>Destination:</i> Local Police and Sheriff Departments Systems NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Local Police and Sheriff Departments Systems AASHTO/ITE/NEMA IEEE	<i>Destination:</i> Local and other Fire Departments Systems NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Riverside Freeway Service Patrol AASHTO/ITE/NEMA IEEE	<i>Destination:</i> CHP CAD System NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> San Bernardino Freeway Service Patrol AASHTO/ITE/NEMA IEEE	<i>Destination:</i> CHP CAD System NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<b>Flow: resource deployment status</b>		
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA IEEE	<i>Destination:</i> CHP CAD System NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<b>Flow: resource request</b>		
<i>Source:</i> CHP CAD System AASHTO/ITE/NEMA IEEE	<i>Destination:</i> Caltrans D-8 TMC NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
<b>Flow: road network conditions</b>		
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA ITE ITE SAE	<i>Destination:</i> Corona TMC NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD) Message Sets for External TMC Communication (MS/ETMCC) Advanced Traveler Information Systems (ATIS) General Use	(See Footnote) ITE TM 1.03 ITE TM 2.01 (See Footnote)

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
	Standards Group	
<i>Source:</i> Caltrans D-8 Signal Ops	<i>Destination:</i> Fontana TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Signal Ops	<i>Destination:</i> Regional Traveler Information Service Providers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Caltrans D-8 Maintenance and Construction Mgmt System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Metrolink Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Omnitrans Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Regional Traveler Information Service Providers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Corona TMC	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
SAE	Advanced Traveler Information Systems (ATIS) General Use	(See Footnote)

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
	Standards Group	
<i>Source:</i> Corona TMC	<i>Destination:</i> Municipal and small transit agencies systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Fontana TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Regional Traveler Information Service Providers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

### **Flow: road network probe information**

<i>Source:</i> Corona TMC	<i>Destination:</i> Caltrans D-8 Signal Ops	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Regional Traveler Information Service Providers	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Regional Traveler Information Service Providers	<i>Destination:</i> Local City and County Signal Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

### **Flow: road weather information**

<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

### **Flow: roadside archive data**

<i>Source:</i> Caltrans D-8 TMC Roadside Equipment	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Collection & Monitoring Devices	NTCIP 1206
<b>Flow: roadway information system data</b>		
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Caltrans D-8 TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs	NTCIP 1203
<b>Flow: roadway information system status</b>		
<i>Source:</i> Caltrans D-8 TMC Roadside Equipment	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs	NTCIP 1203
<b>Flow: roadway maintenance status</b>		
<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Fontana Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Regional Traveler Information Service Providers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: safety inspection report</b>		
<i>Source:</i> Caltrans CVO Administration (Pre-pass)	<i>Destination:</i> DMV CVO Administration (PrePass)	
ANSI	Commercial Vehicle Safety Reports	ANSI TS284
ANSI	Commercial Vehicle Safety and Credentials Information Exchange	ANSI TS285
<i>Source:</i> CVO Weigh Stations (including weigh-in-motion)	<i>Destination:</i> Caltrans CVO Administration (Pre-pass)	
ANSI	Commercial Vehicle Safety Reports	ANSI TS284
<i>Source:</i> CVO Weigh Stations (including weigh-in-motion)	<i>Destination:</i> DMV CVO Administration (PrePass)	
ANSI	Commercial Vehicle Safety Reports	ANSI TS284
<i>Source:</i> DMV CVO Administration (PrePass)	<i>Destination:</i> Caltrans CVO Administration (Pre-pass)	
ANSI	Commercial Vehicle Safety Reports	ANSI TS284
ANSI	Commercial Vehicle Safety and Credentials Information Exchange	ANSI TS285
<i>Source:</i> DMV CVO Administration (PrePass)	<i>Destination:</i> CVO Weigh Stations (including weigh-in-motion)	
ANSI	Commercial Vehicle Safety Reports	ANSI TS284
<b>Flow: safety status information</b>		
<i>Source:</i> Caltrans CVO Administration (Pre-pass)	<i>Destination:</i> DMV CVO Administration (PrePass)	
ANSI	Commercial Vehicle Safety and Credentials Information Exchange	ANSI TS285
<i>Source:</i> DMV CVO Administration (PrePass)	<i>Destination:</i> Caltrans CVO Administration (Pre-pass)	
ANSI	Commercial Vehicle Safety and Credentials Information Exchange	ANSI TS285

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
<i>Source:</i> DMV CVO Administration (PrePass) ANSI	<i>Destination:</i> CVO Weigh Stations (including weigh-in-motion) Commercial Vehicle Safety and Credentials Information Exchange	ANSI TS285
<b>Flow: secure area surveillance control</b>		
<i>Source:</i> Local Police and Sheriff Departments Systems AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Omnitrans Transit Vehicles Global Object Definitions Data Dictionary for Closed Circuit Television (CCTV) Object Definitions for Video Switches	NTCIP 1201 NTCIP 1205 NTCIP 1208
<i>Source:</i> Local Police and Sheriff Departments Systems AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> RTA Transit Vehicles Global Object Definitions Data Dictionary for Closed Circuit Television (CCTV) Object Definitions for Video Switches	NTCIP 1201 NTCIP 1205 NTCIP 1208
<i>Source:</i> Local Police and Sheriff Departments Systems AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> SunLine Transit Vehicles Global Object Definitions Data Dictionary for Closed Circuit Television (CCTV) Object Definitions for Video Switches	NTCIP 1201 NTCIP 1205 NTCIP 1208
<b>Flow: secure area surveillance data</b>		
<i>Source:</i> Omnitrans Transit Vehicles AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Local Police and Sheriff Departments Systems Global Object Definitions Data Dictionary for Closed Circuit Television (CCTV) TCIP - Incident Management (IM) Business Area Standard	NTCIP 1201 NTCIP 1205 NTCIP 1402
<i>Source:</i> RTA Transit Vehicles AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Local Police and Sheriff Departments Systems Global Object Definitions Data Dictionary for Closed Circuit Television (CCTV) TCIP - Incident Management (IM) Business Area Standard	NTCIP 1201 NTCIP 1205 NTCIP 1402
<i>Source:</i> SunLine Transit Vehicles AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Local Police and Sheriff Departments Systems Global Object Definitions Data Dictionary for Closed Circuit Television (CCTV) TCIP - Incident Management (IM) Business Area Standard	NTCIP 1201 NTCIP 1205 NTCIP 1402
<b>Flow: signal control data</b>		
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment NTCIP Center-to-Field Standards Group Global Object Definitions Object Definitions for Actuated Traffic Signal Controller Units	(See Footnote) NTCIP 1201 NTCIP 1202
<i>Source:</i> Corona TMC AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Corona TMC Roadside Equipment NTCIP Center-to-Field Standards Group Global Object Definitions Object Definitions for Actuated Traffic Signal Controller Units	(See Footnote) NTCIP 1201 NTCIP 1202
<i>Source:</i> Fontana TMC AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Fontana TMC Roadside Equipment NTCIP Center-to-Field Standards Group Global Object Definitions Object Definitions for Actuated Traffic Signal Controller Units	(See Footnote) NTCIP 1201 NTCIP 1202
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Local City and County Roadside Equipment	

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller Units	NTCIP 1202
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
<i>Source: Temecula TOC</i>		<i>Destination: Temecula TOC Roadside Equipment</i>
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller Units	NTCIP 1202
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
<b>Flow: signal control status</b>		
<i>Source: Caltrans D-8 Signal Ops Roadside Equipment</i>		<i>Destination: Caltrans D-8 Signal Ops</i>
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller Units	NTCIP 1202
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
<i>Source: Fontana TMC Roadside Equipment</i>		<i>Destination: Fontana TMC</i>
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller Units	NTCIP 1202
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
<i>Source: Local City and County Roadside Equipment</i>		<i>Destination: Local City and County Signal Systems</i>
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller Units	NTCIP 1202
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
<i>Source: Temecula TOC Roadside Equipment</i>		<i>Destination: Temecula TOC</i>
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller Units	NTCIP 1202
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
<b>Flow: speed monitoring control</b>		
<i>Source: Caltrans D-8 TMC</i>		<i>Destination: Caltrans D-8 TMC Roadside Equipment</i>
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<b>Flow: speed monitoring information</b>		
<i>Source: Caltrans D-8 TMC Roadside Equipment</i>		<i>Destination: Caltrans D-8 TMC</i>
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<b>Flow: tag data</b>		
<i>Source: Commercial Vehicles</i>		<i>Destination: CVO Weigh Stations (including weigh-in-motion)</i>
ASTM	Dedicated Short Range Communication at 915 MHz	(See Footnote)

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Lead SDO	Standard Name	Document ID
	Standards Group	
<b>Flow: threat information coordination</b>		
Source: Border Region Interfaces AASHTO/ITE/NEMA	Destination: CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
Source: CHP CAD System AASHTO/ITE/NEMA	Destination: Border Region Interfaces NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: track status</b>		
Source: Rail Grade Crossing Warning Eqpt. IEEE	Destination: Caltrans D-8 Signal Ops Roadside Equipment Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
Source: Rail Grade Crossing Warning Eqpt. IEEE	Destination: Corona TMC Roadside Equipment Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
Source: Rail Grade Crossing Warning Eqpt. IEEE	Destination: Fontana TMC Roadside Equipment Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
Source: Rail Grade Crossing Warning Eqpt. IEEE	Destination: Local City and County Roadside Equipment Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<b>Flow: traffic archive data</b>		
Source: Caltrans D-8 Signal Ops AASHTO/ITE/NEMA ASTM	Destination: Performance Monitoring System (PeMS) NTCIP Center-to-Center Standards Group Standard Specification for Archiving ITS Generated Traffic Monitoring Data	(See Footnote) ASTM E2259-xx
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA ASTM	Destination: Data Archive NTCIP Center-to-Center Standards Group Standard Specification for Archiving ITS Generated Traffic Monitoring Data	(See Footnote) ASTM E2259-xx
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA ASTM	Destination: Performance Monitoring System (PeMS) NTCIP Center-to-Center Standards Group Standard Specification for Archiving ITS Generated Traffic Monitoring Data	(See Footnote) ASTM E2259-xx
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<b>Flow: traffic control coordination</b>		
Source: Arizona DOT (ADOT) ATMS AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE	Destination: Caltrans D-8 TMC NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) NTCIP 1210 ITE TM 1.03
ITE	Message Sets for External TMC Communication	ITE TM 2.01



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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
	(MS/ETMCC)	
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Caltrans D-8 Signal Ops	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Corona TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Fontana TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Local City and County Signal Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Arterial Traffic Data Exchange	<i>Destination:</i> Temecula TOC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Caltrans D-8 Signal Ops	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01

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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
<i>Source:</i> Border Region Interfaces AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE  ITE	<i>Destination:</i> Corona TMC NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD) Message Sets for External TMC Communication (MS/ETMCC)	(See Footnote) NTCIP 1210 ITE TM 1.03  ITE TM 2.01
<i>Source:</i> Border Region Interfaces AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE  ITE	<i>Destination:</i> Fontana TMC NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD) Message Sets for External TMC Communication (MS/ETMCC)	(See Footnote) NTCIP 1210 ITE TM 1.03  ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE  ITE	<i>Destination:</i> Arterial Traffic Data Exchange NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD) Message Sets for External TMC Communication (MS/ETMCC)	(See Footnote) NTCIP 1210 ITE TM 1.03  ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE  ITE	<i>Destination:</i> Border Region Interfaces NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD) Message Sets for External TMC Communication (MS/ETMCC)	(See Footnote) NTCIP 1210 ITE TM 1.03  ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE  ITE	<i>Destination:</i> Caltrans TMC Data Exchange NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD) Message Sets for External TMC Communication (MS/ETMCC)	(See Footnote) NTCIP 1210 ITE TM 1.03  ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE  ITE	<i>Destination:</i> Corona TMC NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD) Message Sets for External TMC Communication (MS/ETMCC)	(See Footnote) NTCIP 1210 ITE TM 1.03  ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE  ITE	<i>Destination:</i> Fontana TMC NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD) Message Sets for External TMC Communication (MS/ETMCC)	(See Footnote) NTCIP 1210 ITE TM 1.03  ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE  ITE	<i>Destination:</i> Local City and County Signal Systems NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD) Message Sets for External TMC Communication (MS/ETMCC)	(See Footnote) NTCIP 1210 ITE TM 1.03  ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Arizona DOT (ADOT) ATMS	

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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) NTCIP 1210 ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) NTCIP 1210 ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) NTCIP 1210 ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Caltrans TMC Data Exchange	
AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) NTCIP 1210 ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Corona TMC	
AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) NTCIP 1210 ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Fontana TMC	
AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) NTCIP 1210 ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Nevada DOT (NDOT) ATMS	
AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) NTCIP 1210 ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Temecula TOC	
AASHTO/ITE/NEMA AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) NTCIP 1210 ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans TMC Data Exchange	<i>Destination:</i> Caltrans D-8 Signal Ops	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA ITE	Objects for Signal Systems Master Standard for Functional Level Traffic Management Data Dictionary (TMDD)	NTCIP 1210 ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans TMC Data Exchange <span style="float:right"><i>Destination:</i> Caltrans D-8 TMC</span>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans TMC Data Exchange <span style="float:right"><i>Destination:</i> Fontana TMC</span>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans TMC Data Exchange <span style="float:right"><i>Destination:</i> Temecula TOC</span>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Corona TMC <span style="float:right"><i>Destination:</i> Arterial Traffic Data Exchange</span>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Corona TMC <span style="float:right"><i>Destination:</i> Border Region Interfaces</span>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Corona TMC <span style="float:right"><i>Destination:</i> Caltrans D-8 Signal Ops</span>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Corona TMC <span style="float:right"><i>Destination:</i> Caltrans D-8 TMC</span>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Corona TMC <span style="float:right"><i>Destination:</i> Local City and County Signal Systems</span>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210

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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC	<i>Destination:</i> Caltrans D-8 Signal Ops	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC	<i>Destination:</i> Caltrans TMC Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC	<i>Destination:</i> Local City and County Signal Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Caltrans D-8 Signal Ops	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data	ITE TM 1.03

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
ITE	Dictionary (TMDD) Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source: Local City and County Signal Systems      Destination: Corona TMC</i>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source: Local City and County Signal Systems      Destination: Fontana TMC</i>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source: Local City and County Signal Systems      Destination: Temecula TOC</i>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source: Nevada DOT (NDOT) ATMS      Destination: Caltrans D-8 TMC</i>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source: Temecula TOC      Destination: Arterial Traffic Data Exchange</i>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source: Temecula TOC      Destination: Caltrans TMC Data Exchange</i>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source: Temecula TOC      Destination: Local City and County Signal Systems</i>		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Objects for Signal Systems Master	NTCIP 1210
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01

**Flow: traffic control priority request**

<i>Source: RTA Fixed Route</i> AASHTO/ITE/NEMA	<i>Destination: Temecula TOC</i> NTCIP Center-to-Center Standards Group	(See Footnote)
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## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
<b>Flow: traffic control priority status</b>		
<i>Source:</i> Corona TMC	<i>Destination:</i> Municipal and small transit agencies systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
<i>Source:</i> Fontana TMC	<i>Destination:</i> Omnitrans Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
<i>Source:</i> Temecula TOC	<i>Destination:</i> RTA Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Objects for Signal Control Priority	NTCIP 1211
<b>Flow: traffic flow</b>		
<i>Source:</i> Caltrans D-8 Signal Ops Roadside Equipment	<i>Destination:</i> Caltrans D-8 Signal Ops	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<i>Source:</i> Caltrans D-8 TMC Roadside Equipment	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<i>Source:</i> Fontana TMC Roadside Equipment	<i>Destination:</i> Fontana TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<i>Source:</i> Local City and County Roadside Equipment	<i>Destination:</i> Local City and County Signal Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<i>Source:</i> Riverside County Smart Call Boxes	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<i>Source:</i> San Bernardino County Smart Call Boxes	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<i>Source:</i> Temecula TOC Roadside Equipment	<i>Destination:</i> Temecula TOC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<b>Flow: traffic images</b>		
<i>Source:</i> Caltrans D-8 Signal Ops Roadside Equipment	<i>Destination:</i> Caltrans D-8 Signal Ops	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Dictionary for Closed Circuit Television (CCTV)	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Video Switches	NTCIP 1208
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA	Destination: Fontana Police Dispatch Center NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA	Destination: Local and other Fire Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA	Destination: Local Police and Sheriff Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA	Destination: Riverside Freeway Service Patrol NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Caltrans D-8 TMC AASHTO/ITE/NEMA	Destination: San Bernardino Freeway Service Patrol NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Caltrans D-8 TMC Roadside Equipment AASHTO/ITE/NEMA	Destination: Caltrans D-8 TMC NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Dictionary for Closed Circuit Television (CCTV)	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Video Switches	NTCIP 1208
Source: Corona TMC AASHTO/ITE/NEMA	Destination: CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Corona TMC AASHTO/ITE/NEMA	Destination: Fontana Police Dispatch Center NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Corona TMC AASHTO/ITE/NEMA	Destination: Local and other Fire Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Corona TMC AASHTO/ITE/NEMA	Destination: Local Police and Sheriff Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Corona TMC AASHTO/ITE/NEMA	Destination: Riverside Freeway Service Patrol NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Corona TMC AASHTO/ITE/NEMA	Destination: San Bernardino Freeway Service Patrol NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Fontana TMC AASHTO/ITE/NEMA	Destination: CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Fontana TMC AASHTO/ITE/NEMA	Destination: Fontana Police Dispatch Center NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Fontana TMC AASHTO/ITE/NEMA	Destination: Local and other Fire Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Fontana TMC AASHTO/ITE/NEMA	Destination: Local Police and Sheriff Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Fontana TMC AASHTO/ITE/NEMA	Destination: Riverside Freeway Service Patrol NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Fontana TMC AASHTO/ITE/NEMA	Destination: San Bernardino Freeway Service Patrol NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Fontana TMC Roadside Equipment AASHTO/ITE/NEMA	Destination: Fontana TMC NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Dictionary for Closed Circuit Television (CCTV)	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Video Switches	NTCIP 1208
Source: Local City and County Roadside Equipment AASHTO/ITE/NEMA	Destination: Local City and County Signal Systems NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Dictionary for Closed Circuit Television (CCTV)	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Video Switches	NTCIP 1208
Source: Temecula TOC AASHTO/ITE/NEMA	Destination: CHP CAD System NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Temecula TOC AASHTO/ITE/NEMA	Destination: Fontana Police Dispatch Center NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Temecula TOC AASHTO/ITE/NEMA	Destination: Local and other Fire Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)



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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
<i>Source:</i> Temecula TOC AASHTO/ITE/NEMA	<i>Destination:</i> Local Police and Sheriff Departments Systems NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Temecula TOC AASHTO/ITE/NEMA	<i>Destination:</i> Riverside Freeway Service Patrol NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Temecula TOC AASHTO/ITE/NEMA	<i>Destination:</i> San Bernardino Freeway Service Patrol NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Temecula TOC Roadside Equipment AASHTO/ITE/NEMA	<i>Destination:</i> Temecula TOC NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Dictionary for Closed Circuit Television (CCTV)	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Video Switches	NTCIP 1208
<b>Flow: traffic information coordination</b>		
<i>Source:</i> Arizona DOT (ADOT) ATMS AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans D-8 TMC NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans D-8 Signal Ops NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans D-8 TMC NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA	<i>Destination:</i> Corona TMC NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA	<i>Destination:</i> Fontana TMC NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA	<i>Destination:</i> Local City and County Signal Systems NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA	<i>Destination:</i> Temecula TOC NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Caltrans D-8 Signal Ops	

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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Corona TMC	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> Fontana TMC	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops	<i>Destination:</i> Caltrans TMC Data Exchange	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops	<i>Destination:</i> Corona TMC	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops	<i>Destination:</i> Fontana TMC	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 Signal Ops	<i>Destination:</i> Local City and County Signal Systems	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03

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Lead SDO	Standard Name	Document ID
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA	<i>Destination:</i> Arizona DOT (ADOT) ATMS NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA	<i>Destination:</i> Arterial Traffic Data Exchange NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA	<i>Destination:</i> Border Region Interfaces NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans TMC Data Exchange NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA	<i>Destination:</i> Corona TMC NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA	<i>Destination:</i> Fontana TMC NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA	<i>Destination:</i> Nevada DOT (NDOT) ATMS NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA	<i>Destination:</i> Temecula TOC NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans TMC Data Exchange AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans D-8 Signal Ops NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans TMC Data Exchange	<i>Destination:</i> Caltrans D-8 TMC	

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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans TMC Data Exchange		<i>Destination:</i> Fontana TMC
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Caltrans TMC Data Exchange		<i>Destination:</i> Temecula TOC
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Corona TMC		<i>Destination:</i> Arterial Traffic Data Exchange
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Corona TMC		<i>Destination:</i> Border Region Interfaces
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Corona TMC		<i>Destination:</i> Caltrans D-8 Signal Ops
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Corona TMC		<i>Destination:</i> Caltrans D-8 TMC
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Corona TMC		<i>Destination:</i> Local City and County Signal Systems
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC		<i>Destination:</i> Arterial Traffic Data Exchange
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC		<i>Destination:</i> Border Region Interfaces
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC	<i>Destination:</i> Caltrans D-8 Signal Ops	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC	<i>Destination:</i> Caltrans TMC Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Fontana TMC	<i>Destination:</i> Local City and County Signal Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Caltrans D-8 Signal Ops	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Corona TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Fontana TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Temecula TOC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ITE	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Nevada DOT (NDOT) ATMS	<i>Destination:</i> Caltrans D-8 TMC	

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Temecula TOC	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Temecula TOC	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Temecula TOC	<i>Destination:</i> Caltrans TMC Data Exchange	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01
<i>Source:</i> Temecula TOC	<i>Destination:</i> Local City and County Signal Systems	
AASHTO/ITE/NEMA ITE	NTCIP Center-to-Center Standards Group Standard for Functional Level Traffic Management Data Dictionary (TMDD)	(See Footnote) ITE TM 1.03
ITE	Message Sets for External TMC Communication (MS/ETMCC)	ITE TM 2.01

### Flow: traffic sensor control

<i>Source:</i> Caltrans D-8 Signal Ops	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Caltrans D-8 TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<i>Source:</i> Corona TMC	<i>Destination:</i> Corona TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<i>Source:</i> Fontana TMC	<i>Destination:</i> Fontana TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Local City and County Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209
<i>Source:</i> Temecula TOC	<i>Destination:</i> Temecula TOC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Transportation System Sensor Objects	NTCIP 1209

### Flow: transit and fare schedules

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
<i>Source: Metrolink Operations Center</i>		
AASHTO/ITE/NEMA	<i>Destination: Media</i> NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source: Metrolink Operations Center</i>		
AASHTO/ITE/NEMA	<i>Destination: Regional Traveler Information Service Providers</i> NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<b>Flow: transit archive data</b>		
<i>Source: Metrolink Operations Center</i>		
AASHTO/ITE/NEMA	<i>Destination: Data Archive</i> NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Spatial Representation (SP) Business Area Standard	NTCIP 1405
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source: Municipal and small transit agencies systems</i>		
AASHTO/ITE/NEMA	<i>Destination: Data Archive</i> NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Spatial Representation (SP) Business Area Standard	NTCIP 1405
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source: Omnitrans Fixed Route</i>		
AASHTO/ITE/NEMA	<i>Destination: Data Archive</i> NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Spatial Representation (SP) Business Area Standard	NTCIP 1405
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source: Omnitrans Paratransit</i>		
AASHTO/ITE/NEMA	<i>Destination: Data Archive</i> NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Spatial Representation (SP) Business Area Standard	NTCIP 1405
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source: RTA Fixed Route</i>	<i>Destination: Data Archive</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Spatial Representation (SP) Business Area Standard	NTCIP 1405
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source: RTA Paratransit</i>	<i>Destination: Data Archive</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Spatial Representation (SP) Business Area Standard	NTCIP 1405
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source: SunLine Fixed Route</i>	<i>Destination: Data Archive</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Spatial Representation (SP) Business Area Standard	NTCIP 1405
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source: SunLine Paratransit</i>	<i>Destination: Data Archive</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Spatial Representation (SP) Business Area Standard	NTCIP 1405
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408

**Flow: transit fare coordination**



**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
<i>Source:</i> Municipal and small transit agencies systems	<i>Destination:</i> Omnitrans Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Municipal and small transit agencies systems	<i>Destination:</i> Omnitrans Paratransit	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Municipal and small transit agencies systems	<i>Destination:</i> RTA Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Municipal and small transit agencies systems	<i>Destination:</i> RTA Paratransit	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Municipal and small transit agencies systems	<i>Destination:</i> SunLine Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Municipal and small transit agencies systems	<i>Destination:</i> SunLine Paratransit	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Omnitrans Fixed Route	<i>Destination:</i> Municipal and small transit agencies systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Omnitrans Fixed Route	<i>Destination:</i> Omnitrans Paratransit	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Omnitrans Fixed Route	<i>Destination:</i> RTA Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Omnitrans Fixed Route	<i>Destination:</i> RTA Paratransit	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Omnitrans Fixed Route	<i>Destination:</i> SunLine Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
<i>Source:</i> Omnitrans Fixed Route AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> SunLine Paratransit NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Omnitrans Paratransit AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Municipal and small transit agencies systems NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Omnitrans Paratransit AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Omnitrans Fixed Route NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Omnitrans Paratransit AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> RTA Fixed Route NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Omnitrans Paratransit AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> RTA Paratransit NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Omnitrans Paratransit AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> SunLine Fixed Route NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> Omnitrans Paratransit AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> SunLine Paratransit NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Fixed Route AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Municipal and small transit agencies systems NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Fixed Route AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Omnitrans Fixed Route NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Fixed Route AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Omnitrans Paratransit NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Fixed Route AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> RTA Paratransit NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Fixed Route AASHTO/ITE/NEMA	<i>Destination:</i> SunLine Fixed Route NTCIP Center-to-Center Standards Group	(See Footnote)

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Fixed Route	<i>Destination:</i> SunLine Paratransit	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Paratransit	<i>Destination:</i> Municipal and small transit agencies systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Paratransit	<i>Destination:</i> Omnitrans Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Paratransit	<i>Destination:</i> Omnitrans Paratransit	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Paratransit	<i>Destination:</i> RTA Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Paratransit	<i>Destination:</i> SunLine Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> RTA Paratransit	<i>Destination:</i> SunLine Paratransit	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> SunLine Fixed Route	<i>Destination:</i> Municipal and small transit agencies systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> SunLine Fixed Route	<i>Destination:</i> Omnitrans Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> SunLine Fixed Route	<i>Destination:</i> Omnitrans Paratransit	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<i>Source:</i> SunLine Fixed Route	<i>Destination:</i> RTA Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA <i>Source: SunLine Fixed Route</i>	TCIP - Fare Collection (FC) Business Area Standard <i>Destination: RTA Paratransit</i>	NTCIP 1408
AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA <i>Source: SunLine Fixed Route</i>	TCIP - Fare Collection (FC) Business Area Standard <i>Destination: SunLine Paratransit</i>	NTCIP 1408
AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA <i>Source: SunLine Paratransit</i>	TCIP - Fare Collection (FC) Business Area Standard <i>Destination: Municipal and small transit agencies systems</i>	NTCIP 1408
AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA <i>Source: SunLine Paratransit</i>	TCIP - Fare Collection (FC) Business Area Standard <i>Destination: Omnitrans Fixed Route</i>	NTCIP 1408
AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA <i>Source: SunLine Paratransit</i>	TCIP - Fare Collection (FC) Business Area Standard <i>Destination: Omnitrans Paratransit</i>	NTCIP 1408
AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA <i>Source: SunLine Paratransit</i>	TCIP - Fare Collection (FC) Business Area Standard <i>Destination: RTA Fixed Route</i>	NTCIP 1408
AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA <i>Source: SunLine Paratransit</i>	TCIP - Fare Collection (FC) Business Area Standard <i>Destination: RTA Paratransit</i>	NTCIP 1408
AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA <i>Source: SunLine Paratransit</i>	TCIP - Fare Collection (FC) Business Area Standard <i>Destination: SunLine Fixed Route</i>	NTCIP 1408
AASHTO/ITE/NEMA AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group TCIP - Common Public Transportation (CPT) Business Area Standard	(See Footnote) NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<b>Flow: transit incident information</b>		
<i>Source: Metrolink Operations Center</i>	<i>Destination: Caltrans D-8 TMC</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Metrolink Operations Center</i>	<i>Destination: Media</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<b>Flow: transit incidents for media</b>		
<i>Source: Metrolink Operations Center</i>	<i>Destination: Media</i>	

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
AASHTO/ITE/NEMA <i>Source:</i> Municipal and small transit agencies systems	NTCIP Center-to-Center Standards Group <i>Destination:</i> Media	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> Omnitrans Fixed Route	NTCIP Center-to-Center Standards Group <i>Destination:</i> Media	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> RTA Fixed Route	NTCIP Center-to-Center Standards Group <i>Destination:</i> Media	(See Footnote)
AASHTO/ITE/NEMA <i>Source:</i> SunLine Fixed Route	NTCIP Center-to-Center Standards Group <i>Destination:</i> Media	(See Footnote)
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: transit information for media</b>		
<i>Source:</i> Metrolink Operations Center AASHTO/ITE/NEMA	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Municipal and small transit agencies systems AASHTO/ITE/NEMA	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Omnitrans Fixed Route AASHTO/ITE/NEMA	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> RTA Fixed Route AASHTO/ITE/NEMA	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> SunLine Fixed Route AASHTO/ITE/NEMA	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: transit information request</b>		
<i>Source:</i> Media AASHTO/ITE/NEMA AASHTO/ITE/NEMA SAE	<i>Destination:</i> Metrolink Operations Center NTCIP Center-to-Center Standards Group TCIP - Passenger Information (PI) Business Area Standard Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) NTCIP 1403 (See Footnote)
<b>Flow: transit schedule information</b>		
<i>Source:</i> Metrolink Operations Center AASHTO/ITE/NEMA	<i>Destination:</i> Metrolink Trains TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Omnitrans Fixed Route AASHTO/ITE/NEMA	<i>Destination:</i> Omnitrans Transit Vehicles TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> RTA Fixed Route AASHTO/ITE/NEMA	<i>Destination:</i> RTA Transit Vehicles TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Fixed Route AASHTO/ITE/NEMA	<i>Destination:</i> SunLine Transit Vehicles TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<b>Flow: transit service coordination</b>		
<i>Source:</i> Arterial Traffic Data Exchange AASHTO/ITE/NEMA	<i>Destination:</i> Omnitrans Fixed Route NTCIP Center-to-Center Standards Group	(See Footnote)

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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Arterial Traffic Data Exchange</i>	<i>Destination: RTA Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Arterial Traffic Data Exchange</i>	<i>Destination: SunLine Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Metrolink Operations Center</i>	<i>Destination: Municipal and small transit agencies systems</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Metrolink Operations Center</i>	<i>Destination: Omnitrans Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Metrolink Operations Center</i>	<i>Destination: RTA Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406

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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Metrolink Operations Center</i>	<i>Destination: SunLine Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Municipal and small transit agencies systems</i>	<i>Destination: Metrolink Operations Center</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Municipal and small transit agencies systems</i>	<i>Destination: Omnitrans Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Municipal and small transit agencies systems</i>	<i>Destination: RTA Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Municipal and small transit agencies systems</i>	<i>Destination: SunLine Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Omnitrans Fixed Route</i>	<i>Destination: Arterial Traffic Data Exchange</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403

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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Omnitrans Fixed Route</i>	<i>Destination: Metrolink Operations Center</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Omnitrans Fixed Route</i>	<i>Destination: Municipal and small transit agencies systems</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Omnitrans Fixed Route</i>	<i>Destination: Omnitrans Paratransit</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Omnitrans Fixed Route</i>	<i>Destination: RTA Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Omnitrans Paratransit</i>	<i>Destination: Omnitrans Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: RTA Fixed Route</i>	<i>Destination: Arterial Traffic Data Exchange</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area	NTCIP 1401



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<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
	Standard	
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: RTA Fixed Route</i>	<i>Destination: Metrolink Operations Center</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: RTA Fixed Route</i>	<i>Destination: Municipal and small transit agencies systems</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: RTA Fixed Route</i>	<i>Destination: Omnitrans Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: RTA Fixed Route</i>	<i>Destination: RTA Paratransit</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: RTA Fixed Route</i>	<i>Destination: SunLine Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
<i>Source:</i> RTA Paratransit	<i>Destination:</i> RTA Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Fixed Route	<i>Destination:</i> Arterial Traffic Data Exchange	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Fixed Route	<i>Destination:</i> Metrolink Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Fixed Route	<i>Destination:</i> Municipal and small transit agencies systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Fixed Route	<i>Destination:</i> RTA Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Fixed Route	<i>Destination:</i> SunLine Paratransit	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
	Standard	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Paratransit	<i>Destination:</i> SunLine Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<b>Flow: transit traveler information</b>		
<i>Source:</i> Metrolink Operations Center	<i>Destination:</i> Metrolink Trains	
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Omnitrans Fixed Route	<i>Destination:</i> Omnitrans Transit Vehicles	
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> RTA Fixed Route	<i>Destination:</i> RTA Transit Vehicles	
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> SunLine Fixed Route	<i>Destination:</i> SunLine Transit Vehicles	
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<b>Flow: transit traveler information coordination</b>		
<i>Source:</i> Metrolink Operations Center	<i>Destination:</i> Municipal and small transit agencies systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Metrolink Operations Center	<i>Destination:</i> Omnitrans Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Metrolink Operations Center	<i>Destination:</i> RTA Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Metrolink Operations Center	<i>Destination:</i> SunLine Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Municipal and small transit agencies systems	<i>Destination:</i> Metrolink Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Municipal and small transit agencies systems	<i>Destination:</i> Omnitrans Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Municipal and small transit agencies systems	<i>Destination:</i> RTA Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Municipal and small transit agencies systems	<i>Destination:</i> SunLine Fixed Route	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Omnitrans Fixed Route	<i>Destination:</i> Metrolink Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA <i>Source: Omnitrans Fixed Route</i>	TCIP - Control Center (CC) Business Area Standard <i>Destination: Municipal and small transit agencies systems</i>	NTCIP 1407
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA <i>Source: Omnitrans Fixed Route</i>	TCIP - Control Center (CC) Business Area Standard <i>Destination: Omnitrans Paratransit</i>	NTCIP 1407
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA <i>Source: Omnitrans Fixed Route</i>	TCIP - Control Center (CC) Business Area Standard <i>Destination: RTA Fixed Route</i>	NTCIP 1407
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA <i>Source: Omnitrans Fixed Route</i>	TCIP - Control Center (CC) Business Area Standard <i>Destination: SunLine Fixed Route</i>	NTCIP 1407
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA <i>Source: Omnitrans Paratransit</i>	TCIP - Control Center (CC) Business Area Standard <i>Destination: Omnitrans Fixed Route</i>	NTCIP 1407
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA <i>Source: RTA Fixed Route</i>	TCIP - Control Center (CC) Business Area Standard <i>Destination: Metrolink Operations Center</i>	NTCIP 1407
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA <i>Source: RTA Fixed Route</i>	TCIP - Control Center (CC) Business Area Standard <i>Destination: Municipal and small transit agencies systems</i>	NTCIP 1407
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: RTA Fixed Route</i>	<i>Destination: Omnitrans Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: RTA Fixed Route</i>	<i>Destination: RTA Paratransit</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: RTA Fixed Route</i>	<i>Destination: SunLine Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: RTA Paratransit</i>	<i>Destination: RTA Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: SunLine Fixed Route</i>	<i>Destination: Metrolink Operations Center</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: SunLine Fixed Route</i>	<i>Destination: Municipal and small transit agencies systems</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: SunLine Fixed Route</i>	<i>Destination: Omnitrans Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: SunLine Fixed Route</i>	<i>Destination: RTA Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: SunLine Fixed Route</i>	<i>Destination: SunLine Paratransit</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: SunLine Paratransit</i>	<i>Destination: SunLine Fixed Route</i>	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	TCIP - Common Public Transportation (CPT) Business Area Standard	NTCIP 1401
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
AASHTO/ITE/NEMA	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	NTCIP 1404
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<b>Flow: transit traveler request</b>		
<i>Source: Metrolink Trains</i>	<i>Destination: Metrolink Operations Center</i>	
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
<i>Source: Omnitrans Transit Vehicles</i>	<i>Destination: Omnitrans Fixed Route</i>	
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
<i>Source: SunLine Transit Vehicles</i>	<i>Destination: SunLine Fixed Route</i>	
AASHTO/ITE/NEMA	TCIP - Passenger Information (PI) Business Area Standard	NTCIP 1403
<b>Flow: transit vehicle conditions</b>		
<i>Source: Metrolink Trains</i>	<i>Destination: Metrolink Operations Center</i>	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source: Omnitrans Transit Vehicles</i>	<i>Destination: Omnitrans Fixed Route</i>	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
<i>Source:</i> SunLine Transit Vehicles	<i>Destination:</i> SunLine Fixed Route	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<b>Flow: transit vehicle location data</b>		
<i>Source:</i> Metrolink Trains	<i>Destination:</i> Metrolink Operations Center	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Municipal and small transit agencies vehicles	<i>Destination:</i> Municipal and small transit agencies systems	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Omnitrans Transit Vehicles	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Omnitrans Transit Vehicles	<i>Destination:</i> Omnitrans Fixed Route	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Omnitrans Transit Vehicles	<i>Destination:</i> Omnitrans Paratransit	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> RTA Transit Vehicles	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> RTA Transit Vehicles	<i>Destination:</i> RTA Fixed Route	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> RTA Transit Vehicles	<i>Destination:</i> RTA Paratransit	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Transit Vehicles	<i>Destination:</i> Local Police and Sheriff Departments Systems	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Transit Vehicles	<i>Destination:</i> SunLine Fixed Route	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Transit Vehicles	<i>Destination:</i> SunLine Paratransit	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<b>Flow: transit vehicle operator instructions</b>		
<i>Source:</i> Municipal and small transit agencies systems	<i>Destination:</i> Municipal and small transit agencies vehicles	
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Omnitrans Fixed Route	<i>Destination:</i> Omnitrans Transit Vehicles	
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> Omnitrans Paratransit	<i>Destination:</i> Omnitrans Transit Vehicles	
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> RTA Fixed Route	<i>Destination:</i> RTA Transit Vehicles	
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406



## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
AASHTO/ITE/NEMA <i>Source:</i> RTA Paratransit	TCIP - Control Center (CC) Business Area Standard <i>Destination:</i> RTA Transit Vehicles	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA <i>Source:</i> SunLine Fixed Route	TCIP - Control Center (CC) Business Area Standard <i>Destination:</i> SunLine Transit Vehicles	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA <i>Source:</i> SunLine Paratransit	TCIP - Control Center (CC) Business Area Standard <i>Destination:</i> SunLine Transit Vehicles	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Incident Management (IM) Business Area Standard	NTCIP 1402
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<b>Flow: transit vehicle passenger and use data</b>		
<i>Source:</i> RTA Transit Vehicles	<i>Destination:</i> RTA Paratransit	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA <i>Source:</i> SunLine Transit Vehicles	TCIP - Fare Collection (FC) Business Area Standard <i>Destination:</i> SunLine Fixed Route	NTCIP 1408
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA <i>Source:</i> SunLine Transit Vehicles	TCIP - Fare Collection (FC) Business Area Standard <i>Destination:</i> SunLine Paratransit	NTCIP 1408
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<b>Flow: transit vehicle schedule performance</b>		
<i>Source:</i> Metrolink Trains	<i>Destination:</i> Metrolink Operations Center	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Transit Vehicles	<i>Destination:</i> SunLine Fixed Route	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
<i>Source:</i> SunLine Transit Vehicles	<i>Destination:</i> SunLine Paratransit	
AASHTO/ITE/NEMA	TCIP - Onboard (OB) Business Area Standard	NTCIP 1406
AASHTO/ITE/NEMA	TCIP - Control Center (CC) Business Area Standard	NTCIP 1407
AASHTO/ITE/NEMA	TCIP - Fare Collection (FC) Business Area Standard	NTCIP 1408
<b>Flow: transportation system status</b>		
<i>Source:</i> Border Region Interfaces	<i>Destination:</i> CHP CAD System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> CHP CAD System	<i>Destination:</i> Border Region Interfaces	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: traveler archive data</b>		
<i>Source:</i> Caltrans D-8 TMC	<i>Destination:</i> Performance Monitoring System (PeMS)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Fontana Traveler Information	<i>Destination:</i> Performance Monitoring System (PeMS)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Regional Traveler Information Service Providers	<i>Destination:</i> Caltrans D-8 TMC	

## Attachment D – Inland Empire ITS Standards

Lead SDO	Standard Name	Document ID
AASHTO/ITE/NEMA SAE	NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Regional Traveler Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i> Data Archive NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Regional Traveler Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i> Performance Monitoring System (PeMS) NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<b>Flow: traveler information for media</b>		
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA SAE	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Fontana Traveler Information AASHTO/ITE/NEMA SAE	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<i>Source:</i> Regional Traveler Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i> Media NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote) (See Footnote)
<b>Flow: video surveillance control</b>		
<i>Source:</i> Caltrans D-8 Signal Ops AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans D-8 Signal Ops Roadside Equipment NTCIP Center-to-Field Standards Group Global Object Definitions Data Dictionary for Closed Circuit Television (CCTV) Object Definitions for Video Switches	(See Footnote) NTCIP 1201 NTCIP 1205 NTCIP 1208
<i>Source:</i> Caltrans D-8 TMC AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Caltrans D-8 TMC Roadside Equipment NTCIP Center-to-Field Standards Group Global Object Definitions Data Dictionary for Closed Circuit Television (CCTV) Object Definitions for Video Switches	(See Footnote) NTCIP 1201 NTCIP 1205 NTCIP 1208
<i>Source:</i> Fontana TMC AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Fontana TMC Roadside Equipment NTCIP Center-to-Field Standards Group Global Object Definitions Data Dictionary for Closed Circuit Television (CCTV) Object Definitions for Video Switches	(See Footnote) NTCIP 1201 NTCIP 1205 NTCIP 1208
<i>Source:</i> Local City and County Signal Systems AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Local City and County Roadside Equipment NTCIP Center-to-Field Standards Group Global Object Definitions Data Dictionary for Closed Circuit Television (CCTV) Object Definitions for Video Switches	(See Footnote) NTCIP 1201 NTCIP 1205 NTCIP 1208
<i>Source:</i> Temecula TOC AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA AASHTO/ITE/NEMA	<i>Destination:</i> Temecula TOC Roadside Equipment NTCIP Center-to-Field Standards Group Global Object Definitions Data Dictionary for Closed Circuit Television (CCTV) Object Definitions for Video Switches	(See Footnote) NTCIP 1201 NTCIP 1205 NTCIP 1208
<b>Flow: work plan feedback</b>		
<i>Source:</i> Local City and County Signal Systems	<i>Destination:</i> Caltrans D-8 Maintenance and Construction Mgmt	

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	System NTCIP Center-to-Center Standards Group	(See Footnote)
<b>Flow: work zone information</b>		
<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Caltrans D-8 TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Fontana Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Caltrans D-8 Maintenance and Construction Mgmt System	<i>Destination:</i> Regional Traveler Information Service Providers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

**Footnotes:**

**Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group**

<b>SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
SAE	Location Referencing Message Specification (LRMS)	SAE J2266
SAE	Message Set for Advanced Traveler Information System (ATIS)	SAE J2354
SAE	Standard for ATIS Message Sets Delivered Over Bandwidth Restricted Media	SAE J2369
SAE	Rules for Standardizing Street Names and Route IDs	SAE J2529
SAE	Messages for Handling Strings and Look-Up Tables in ATIS Standards	SAE J2540
SAE	RDS (Radio Data System) Phrase List	SAE J2540-1
SAE	ITIS (International Traveler Information Systems) Phrase Lists	SAE J2540-2
SAE	National Names Phrase List	SAE J2540-3
SAE	Converting ATIS Message Standards from ASN.1 to XML	SAE J2630

**Advanced Traveler Information Systems (ATIS) General Use Standards Group**

<b>SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
SAE	Location Referencing Message Specification (LRMS)	SAE J2266
SAE	Message Set for Advanced Traveler Information System (ATIS)	SAE J2354
SAE	Rules for Standardizing Street Names and Route IDs	SAE J2529
SAE	Messages for Handling Strings and Look-Up Tables in ATIS Standards	SAE J2540
SAE	RDS (Radio Data System) Phrase List	SAE J2540-1
SAE	ITIS (International Traveler Information Systems) Phrase Lists	SAE J2540-2
SAE	National Names Phrase List	SAE J2540-3
SAE	Converting ATIS Message Standards from ASN.1 to XML	SAE J2630

**Dedicated Short Range Communication at 5.9 GHz Standards Group**

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
<b>SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
IEEE	Resource Manager for DSRC 5.9 GHz	IEEE 1609.1
IEEE	Application Services (Layers 6,7) for DSRC 5.9 GHz	IEEE 1609.2
IEEE	Communications Services (Layers 4,5) for DSRC 5.9 GHz (Future Standard)	IEEE 1609.3
IEEE	Medium Access Control (MAC) Extension & the MAC Extension Management Entity for DSRC 5.9 GHz	IEEE 1609.4
IEEE	Standard Specification for Telecommunications and Information Exchange Between Roadside and Vehicle Systems - 5 GHz Band Dedicated Short Range Communications (DSRC) Medium Access Control (MAC) and Physical Layer (PHY) Specifications	IEEE 802.11
IEEE	Logical Link (Layer 2) for DSRC 5.9 GHz	IEEE 802.2
ISO	Networking Services (Layer 3) for DSRC 5.9 GHz	ISO 21210
<b>Dedicated Short Range Communication at 915 MHz Standards Group</b>		
<b>SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
ASTM	Standard Specification for Dedicated Short Range Communication (DSRC) Physical Layer using Microwave in the 902-928 MHz Band	ASTM E2158-01
ASTM	Standard Provisional Specification for Dedicated Short Range Communication (DSRC) Data Link Layer	ASTM PS 105-99
<b>Incident Management Standards Group</b>		
<b>SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
IEEE	Standard for Traffic Incident Management Message Sets for Use by EMCs	IEEE 1512.1-2003
IEEE	Standard for Hazardous Material IMMS for use by EMCs	IEEE 1512.3-2002
IEEE	Standard for Common Incident Management Message Sets (IMMS) for use by EMCs	IEEE 1512-2000
IEEE	Standard for Public Safety IMMS for use by EMCs	IEEE P1512.2
<b>NTCIP Center-to-Center Standards Group</b>		
<b>SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	Base Standard: Octet Encoding Rules (OER)	NTCIP 1102
AASHTO/ITE/NEMA	CORBA Naming Convention	NTCIP 1104
AASHTO/ITE/NEMA	CORBA Security Service	NTCIP 1105
AASHTO/ITE/NEMA	CORBA Near-Real Time Data Service	NTCIP 1106
AASHTO/ITE/NEMA	Subnet Profile for Ethernet	NTCIP 2104
AASHTO/ITE/NEMA	Internet (TCP/IP and UDP/IP) Transport Profile	NTCIP 2202
AASHTO/ITE/NEMA	Application Profile for File Transfer Protocol (FTP)	NTCIP 2303
AASHTO/ITE/NEMA	Application Profile for Data Exchange ASN.1 (DATEX)	NTCIP 2304
AASHTO/ITE/NEMA	Application Profile for Common Object Request Broker Architecture (CORBA)	NTCIP 2305

**Attachment D – Inland Empire ITS Standards**

<b>Lead SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	Information Profile for DATEX	NTCIP 2501
AASHTO/ITE/NEMA	Information Profile for CORBA	NTCIP 2502
<b>NTCIP Center-to-Field Standards Group</b>		
<b>SDO</b>	<b>Standard Name</b>	<b>Document ID</b>
AASHTO/ITE/NEMA	Simple Transportation Management Framework (STMF)	NTCIP 1101
AASHTO/ITE/NEMA	Base Standard: Octet Encoding Rules (OER)	NTCIP 1102
AASHTO/ITE/NEMA	Simple Transportation Management Protocol (STMP)	NTCIP 1103
AASHTO/ITE/NEMA	Point to Multi-Point Protocol Using RS-232 Subnetwork Profile	NTCIP 2101
AASHTO/ITE/NEMA	Subnet Profile for PMPP Over FSK modems	NTCIP 2102
AASHTO/ITE/NEMA	Subnet Profile for Point-to-Point Protocol using RS 232	NTCIP 2103
AASHTO/ITE/NEMA	Subnet Profile for Ethernet	NTCIP 2104
AASHTO/ITE/NEMA	Transportation Transport Profile	NTCIP 2201
AASHTO/ITE/NEMA	Internet (TCP/IP and UDP/IP) Transport Profile	NTCIP 2202
AASHTO/ITE/NEMA	Application Profile for Simple Transportation Management Framework (STMF)	NTCIP 2301
AASHTO/ITE/NEMA	Application Profile for Trivial File Transfer Protocol	NTCIP 2302
AASHTO/ITE/NEMA	Application Profile for File Transfer Protocol (FTP)	NTCIP 2303

**Attachment C – Inland Empire ITS Standards**

att d - its standards - submittal.doc