



Table 7.1 Miami Valley Regional ITS Architecture: Applicable ITS Standards

		Standards																																
		ASTM E2259-xx	ATIS	ATIS Low Bandwidth	DSRC 5GHz	DSRC 915MHz	IEEE IM	ITE TM 1.03	ITE TM 2.01	Mayday	NTCIP C2C	NTCIP C2F	NTCIP 1201	NTCIP 1202	NTCIP 1203	NTCIP 1204	NTCIP 1205	NTCIP 1206	NTCIP 1208	NTCIP 1209	NTCIP 1210	NTCIP 1211	NTCIP 1401	NTCIP 1402	NTCIP 1403	NTCIP 1404	NTCIP 1405	NTCIP 1406	NTCIP 1407	NTCIP 1408	IEEE 1570-2002			
Market Package Type	Market Package Description	Standard Specification for Archiving ITS Generated Traffic Monitoring Data	Advanced Traveler Information Systems (ATIS) General Use Standards Group	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	Dedicated Short Range Communications at 5.9 GHz Standards Group	Dedicated Short Range Communication at 915 MHz Standards Group	Incident Management Standards Group	Standard for Functional Level Traffic Management Data Dictionary (TMDD)	Message Sets for External TMC Communication (MS/ETMCC)	On-board Vehicle Mayday Standards Group	NTCIP Center-to-Center Standards Group	NTCIP Center-to-Field Standards Group	Global Object Definitions	Object Definitions for Actuated Traffic Signal Controller Units	Object Definitions for Dynamic Message Signs	Object Definitions for Environmental Sensor Stations & Roadside Weather Information System	Data Dictionary for Closed Circuit Television (CCTV)	Data Collection & Monitoring Devices	Object Definitions for Video Switches	Transportation System Sensor Objects	Objects for Signal Systems Master	Objects for Signal Control Priority	TCIP - Common Public Transportation (CPT) Business Area Standard	TCIP - Incident Management (IM) Business Area Standard	TCIP - Passenger Information (PI) Business Area Standard	TCIP - Scheduling/Runcutting (SCH) Business Area Standard	TCIP - Spatial Representation (SP) Business Area Standard	TCIP - Onboard (OB) Business Area Standard	TCIP - Control Center (CC) Business Area Standard	TCIP - Fare Collection (FC) Business Area Standard	Standard for Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection			
AD1	ITS Data Mart	√	√			√	√	√			√	√	√					√					√	√	√	√	√	√	√	√				
APTS1	Transit Vehicle Tracking		√								√																							
APTS2	Transit Fixed-Route Operations		√					√	√		√														√	√								
APTS3	Demand Response Transit Operations		√					√	√		√														√	√								
APTS4	Transit Passenger and Fare Management		√								√												√	√	√	√								
APTS5	Transit Security						√	√	√	√	√	√	√				√		√					√	√	√	√							
APTS7	Multi-modal Coordination		√		√	√					√	√	√	√							√	√	√	√	√			√	√	√				
APTS8	Transit Traveler Information		√								√	√	√										√	√	√	√								
ATIS1	Broadcast Traveler Information		√	√			√	√	√		√	√	√										√	√	√	√								
ATIS2	Interactive Traveler Information		√	√			√	√	√		√	√	√										√	√	√	√								
ATMS01	Network Surveillance		√					√	√		√	√	√				√		√	√														
ATMS02	Probe Surveillance										√	√	√														√	√						
ATMS03	Surface Street Control											√	√	√			√		√	√	√	√												
ATMS04	Freeway Control											√	√	√			√		√	√	√	√												
ATMS06	Traffic Information Dissemination		√					√	√		√	√	√		√																			
ATMS07	Regional Traffic Control							√	√		√	√	√	√																				
ATMS08	Traffic Incident Management System		√				√	√	√		√	√	√				√		√	√	√													
ATMS09	Traffic Forecast and Demand Management		√					√	√		√	√	√										√			√		√	√					
ATMS13	Rail Grade Crossing																															√		
CVO10	HAZMAT Management						√			√	√																							
EM01	Emergency Call Taking and Dispatch						√	√	√		√	√	√											√										
EM04	Roadway Service Patrols						√	√	√		√	√	√																					
EM06	Wide Area Alert		√								√	√	√		√										√									
MC01	Maintenance and Construction Vehicle and Equipment Tracking																																NA	
MC03	Road Weather Data Collection							√	√			√	√				√																	
MC04	Weather Information Processing and Distribution							√	√		√	√	√																					
MC06	Winter Maintenance						√	√	√		√	√	√																					
MC08	Work Zone Management											√	√																					
MC10	Maintenance and Construction Activity Coordination																																	NA