

The following table is an example of a verification cross reference matrix (VCRM) from a system test plan. The requirements listed in the example are for the video subsystem only and include the system specification requirement statement, the paragraph reference number (with "shall" statement number in parenthesis if more than one requirement is included in the reference paragraph), and the verification method(s) (Inspection, Certification of Compliance, Analysis, Demonstration, and Test). These first three columns of the matrix appear in the system specification and are referred to in that document as the requirements verification matrix. The last three columns: test level (1, 2, 3, 4 or 5), test responsibility (who is responsible for verifying the requirement), and test identification number (i.e., which specific test(s)-in this case at system level 4 or 5-will verify the requirement) are added in the system test plan to complete the VCRM.

**Table A-1 Verification Cross Reference Matrix**

System Requirement	Para. No.	Verif. Method	Test Level	Test Resp.	Level 4&5 Test ID
The video function of the ITS shall consist of the subsystem and components required to collect video information from facilities and roadway, and distribute this video to operators and managers at the TMCs and Highway Patrol Dispatch Center.	3.3.3.1(1)	I/C	2	Installation Contractor/ Vendor	
Video functional element shall include a dedicated surveillance closed circuit television (CCTV) network.	3.3.3.1(2)	I/C	2	Installation Contractor/ Vendor	
The CCTV network shall accept and distribute video signals originating outside the dedicated network.	3.3.3.1(3)	D	4	ITS Consultant	2
Components of the CCTV network shall include the roadway deployed cameras, communication, video switching, camera controls, facility security cameras, video recorders and video monitors.	3.3.3.1(4)	I/C	2	Installation Contractor/ Vendor	
The ITS shall include CCTV cameras along the roadways and other areas of interest to provide system operators a visual indication of traffic and incidents on the roadways.	3.3.3.2(1)	I/C	2	Installation Contractor/ Vendor	
The ITS shall include CCTV cameras along the roadways and other areas of interest to provide system operators a visual indication of traffic and incidents on the roadways.	3.3.3.1(1)	D	3	ITS Consultant	
The ITS shall include CCTV cameras along the roadways and other areas of interest to provide system operators a visual indication of traffic and incidents on the roadways.	3.3.3.1(1)	D	4	ITS Consultant	2