

Attachment 4B

NCTA TriEx ITS Inventory – Equipment Refresh

Attachment 4B: NCTA TriEx ITS Inventory & Equipment Refresh

		RWIS Suite of Sensors (3) (5)	CCTV Camera (3)	Microwave Detection Sensor (3)	Device Surge Protection (6) (3)	Local Acceptance/Performance Testing (3)	150" LCD Portable Monitor (3)	24" LCD Monitor (3)	RTCS/ITS Workstation (3)	RWIS Remote Processing Unit (RPU) and Software Application (3)	Terminal Server	Serial Cable from MVD Master Location to Slave Location	Pre-terminated Assembly or Interconnect Center	Ethernet Switch and Jumpers	NEMA-4 Cabinet	Type 3365 Cabinet	Pole and Foundation (and Lowering Device, if applicable)	Integration and System Acceptance Testing	Electrical Service
Equipment that shall be replaced and existing equipment removed; or service to perform		X	X	X	X	X	X	X	X	X									
Equipment that may be reused											X	X							
Equipment that shall be reused or service performed by others													X	X	X	X	X	X	X
Location: Triangle Expressway																			
Qty	Location Type																		
44	MVD Master Location with 1 sensor			44	44	44					44		44	44		44	44	44	44
5	MVD Master Location with 2 sensors (4)			10	10	10					10		5	5		5	5	5	5
34	MVD Slave Location with 1 sensor			34	34	34					34 ⁽¹⁾	34			34		34	34	
4	Shared CCTV Camera / MVD Master Location with 1 sensor		4	4	8	8					4		4	4		4	4	4	4
1	Shared CCTV Camera / MVD Master Location with 2 sensors (4)		1	1	3	3					2		1	1		1	1	1	1
16	CCTV Camera-only Location		16		16	16						16	16		16	16	16	16	16
1	Roadway Weather Information System	(5)			(5)	(5)				(5)			(5)	(5)	(5)				(5)
Totals:		0	21	93	115	115				0	60	34	70	70	34	70	104	104	70

Location: NCTA Office Locations																			
Qty	Location Type																		
1	ITS/RTCS Workstations/Monitors at NCTA Main Offices (1 S. Wilmington St.)						2		2										
1	ITS/RTCS Workstations/Monitors at Customer Service Center							2	1										
1	ITS/RTCS Workstations/Monitors at State Transportation Operations Center (STOC)							8	4										
Totals:							2	10	7										

NOTES:

1. Terminal server for slave sensor is actually located in master cabinet.
2. DMS not listed here as RTCS Contractor is not refreshing any equipment at those locations.
3. See Attachment 18 for Technical Requirements for new ITS equipment.
4. Sensors shall be replaced "in kind"; i.e., 2 sensors shall be replaced with 2 sensors.
5. RWIS will be re-located as a part of the Morrisville Parkway Interchange project.
6. Surge Protection quantity of "1" represent all necessary types of surge suppression, per device.