

Attachment 4C

NCTA New ITS Installations for Complete 540 and Morrisville Parkway Interchange

Attachment 4C: NCTA New ITS Installations for C540 and Morrisville Parkway Interchange

		RWIS Suite of Sensors (3)	CCTV Camera (3)	Microwave Detection Sensor (3)	Device Surge Protection (6) (3)	Terminal Server (3)	Serial Cable from MVD Master Location to Slave Location (3)	Local Acceptance/Performance Testing (3)	RWIS Remote Processing Unit (RPU) and Software Application (3)	Pre-terminated Assembly or Interconnect Center	Ethernet Switch and Jumpers	NEMA-4 Cabinet	Type 336S Cabinet	Pole and Foundation (and Lowering Device, if applicable)	Integration and System Acceptance Testing	Electrical Service
Equipment/service that shall be provided		X	X	X	X	X	X	X	X							
Equipment/service that will be provided by others										X	X	X	X	X	X	X
Location: Complete 540																
Qty	Location Type															
42	MVD Master Location with 1 sensor			42	42	42		42		42	42		42	42	42	42
12	MVD Slave Location with 1 sensor			12	12	12 ⁽¹⁾	12	12				12				
16	CCTV Camera-only Location		16		16			16		16	16		16	16	16	16
1	Roadway Weather Information System	1			1			1	1	1	1	1				1
Totals:		1	16	54	71	42	12	71	1	59	59	13	58	58	58	59
Location: Morrisville Parkway Interchange																
Qty	Location Type															
4	MVD Slave Location with 1 sensor			4	4	4 ⁽¹⁾	4 ⁽¹⁾	4				4				
1	CCTV Camera-only Location (also MVD Master Location)		1		1			1		1	1		1	1	1	1
1	Roadway Weather Information System	1			1			1	1	1	1	1		1	1	1
Totals:		1	1	4	6	0	0	6	1	2	2	5	1	2	2	2

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 quantities represent all necessary types of surge suppression per device.