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		4	Appen	dix F			
		ITS	S Unit	t Cost	S		

DBCode	DeviceType	Life Cycle Unit	Construction	O&M Costs	Decription
CCTV	CCTV	10 each	\$48,000.00	\$2 350 00	Installation including CCTV camera with PTZ control, CODEC mounting, camera tower and mounting and utilities
0017	0011	10 0001	Ψ+0,000.00	Ψ2,000.00	lower and mounting and dillities
					Total costs include structure and utilities for overhead structure spanning one
DMS	DMS1	10 each	\$272,500.00	\$11,600.00	direction of travel (six lane facility assumed)
					Total costs include structure and utilities for overhead structure spanning one
	DMS2	10 each	\$372,500.00	\$13,600.00	direction of travel (six lane facility assumed)
	VMS	10 each	\$272,500.00	\$11,600.00	Used DMS 1
	AVMS	10 each	\$272,500.00	\$11,600,00	Used DMS 1
	AVIVIO	10 Cacii	Ψ272,300.00	ψ11,000.00	Coca Divice 1
			4	******	
DTBL	DTBL	10 each	\$75,000.00	\$4,000.00	Based on FHWA Unit Costs Database for flashing beacon sign
LD	IL/LD	10 each	\$1,850.00	\$162.50	Cost per loop - Based on FHWA Unit Costs Database.
	TTMS	10 each	\$18,000.00	\$1,000.00	Guess - hold for Harshad's response
RTMS	RTMS	10 each	\$6,000.00	\$400.00	Based on FHWA Unit Costs Database
TTIVIO	TTIVIO	TO Cacif	ψ0,000.00	ψ+00.00	Dascu dili Tivva dilit dosta Database
				0.00 =0	
	CC	10 each	\$1,850.00	\$162.50	Used IL/LD Capital cost estimate based on Amtech probe sensors, data collection,
					processing and ISP connection per site from I-4 corridor study. O&M costs
	VD	5 each	\$40,785.45	\$300.00	estimated from the FHWA Unit Cost Database
VIDS	VIDS	10 each	\$30,000.00	\$400.00	Based on FHWA Unit Costs Database
			-		
	VID	10 aaah	\$20,000,00	\$400.00	License plate reader system with same price as VIDS
	VID	10 each	\$30,000.00	\$400.00	License plate reader system with same price as VIDS

DBCode	DeviceType	Life Cycle Unit	Construction	O&M Costs	Decription
Call Boxes	ССВ	10 each	\$4,000.00	\$50.00	Assume all new boxes are cellular.
Can Boxes	COD	To caci	ψ+,000.00	ψ30.00	Assume all new boxes are collular.
	MCB	10 each	\$7,500.00	\$150.00	
ESS	AIS/ESS		\$20,000.00	\$1,000.00	Basis from D7 Plan
					Environmental sensor consisting of pavement temperature sensor, subsurface temperature sensor, precipitation sensor, wind sensor, air temperature and
RWIS	RWIS	10 each	\$52,000.00	\$3,500.00	humidity sensor and visibility sensor
RMS	RMS	5 each	\$56,000.00	\$3,500.00	Per meter (on-ramp) basic assembly from FHWA (50k), plus loop detectors(2 @ 6k)
TOVIO	TOVIO	o cuon	Ψοσ,σσσ.σσ	ψο,οσο.σο	
		40	Формор од	# 4 000 00	
HAR	HAR	10 each	\$32,000.00	\$1,000.00	roadway, 1/2 mile spacing on pull boxes, within right-of-way, Inside plant every 2
					miles based on SONET nodes with multiplexers, support equipments, utilities and
Fiber	FON	20 each	\$230,000.00	\$1,000.00	installation
	TOWER	20 each	\$150,000.00	\$1,700.00	Microwave system tower, unit cost from FDOT needed.
AL	AL	20 each	\$70,000.00	\$400.00	Standard twisted copper wire installation.
			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
HUB	HUB	10 each	\$107,500.00	\$1,000,00	Based on SONET node with multiplexer, support equipment, utilities and installation per site, typical spacing 2 miles
ПОВ	НОВ	TO Each	\$107,500.00	\$1,000.00	installation per site, typical spacing 2 miles
	HUR	20 each	\$300,000.00	\$6,000.00	Per on-ramp along corridors with one-way operations
					Per location per direction, includes electronic clearance, overheight and
	VWIM	10 each	\$344,000.00	\$109,750.00	overwidth detection
Detector Area	Detector Area	10 each	\$1,850.00	\$162.50	Same as loop detector.