

**TABLE 1: COST ASSUMPTIONS FOR ITS & NON-ITS DEVICES**

Technology	Device	Installation (Initial Cost)	Operation (Yearly Cost)	Maintenance (Yearly Cost)	Replacement (Yearly Cost)	Cost Assumption Source
Detection	ATR Station Upgrade	\$10,000	\$300	\$300	-----	WisDOT
	Mainline Detector Station	\$25,000	\$400	\$400	-----	SRF ITS
	Service Interchange Detector Station	\$79,000	\$1,250	\$1,250	-----	SRF ITS
	System Interchange Detector Station	\$153,000	\$2,450	\$2,450	-----	SRF ITS
Surveillance	CCTV Camera	\$40,000	\$1,000	\$1,300	-----	TOIP Appendix A, SRF ITS
Traffic Flow Management	Ramp Gate	\$19,000	-----	\$2,000	-----	WisDOT, SRF Transportation
	Ramp Meter	\$50,000	\$1,000	\$1,400	-----	USDOT, SRF ITS
Traffic Signal Systems	Interchange Upgrade	Variable	Variable	Variable	Variable	TOIP Appendix C
	Corridor Upgrade	Variable	Variable	Variable	Variable	TOIP Appendix C
Communication	Fiber Optic Line (number of miles) <sup>1</sup>	\$54,000	-----	-----	-----	SRF ITS
	T1 Line	\$1,200	\$8,000	\$200	-----	TOIP Appendix A
	Cellular Modem	\$1,100	\$480	\$60	-----	TOIP Appendix A
Traveler Information	Overhead DMS	\$173,000	\$9,850	\$9,850	-----	SRF ITS
	Roadside DMS	\$83,000	\$4,700	\$4,700	-----	TOIP Appendix E, WisDOT, SRF ITS
	PCMS pad	\$7,000	-----	-----	-----	WisDOT
Non-ITS Devices	Crash Investigation Site	\$90,000	-----	-----	-----	WisDOT
	Law Enforcement Pad	\$1,000	-----	-----	-----	WisDOT

<sup>1</sup> Fiber optic line assumes an armored, 72-strand, single-mode trunk fiber optic cable direct-bury installed, including handholes & splice vaults

TABLE 2A: COST ESTIMATE SUMMARY FOR ALL STUDIED CORRIDORS -- ITS DEVICES ONLY

Corridor	Detection		Surveillance		Traffic Flow		Traffic Signal		Traveler Info		Device Communications		All ITS Devices	
	Installation	O & M	Installation	O & M	Installation	O & M	Installation	O & M	Installation	O & M	Installation	O & M	Installation	O & M
Badger State	\$2,826,000	\$91,400	\$2,600,000	\$149,500	\$3,547,000	\$238,800	\$3,603,750	\$460,190	\$2,395,000	\$262,800	\$1,681,200	\$49,200	\$16,652,950	\$1,251,890
Capitol	\$2,393,000	\$79,800	\$2,280,000	\$131,100	\$3,540,000	\$235,200	\$2,404,000	\$283,400	\$2,464,000	\$274,000	\$335,400	\$36,040	\$13,416,400	\$1,039,540
Fox Valley	\$4,014,000	\$132,800	\$2,600,000	\$149,500	\$4,300,000	\$369,600	\$2,961,900	\$312,770	\$2,886,000	\$324,600	\$3,740,400	\$98,400	\$20,502,300	\$1,387,670
South Central Connection	\$1,463,000	\$47,000	\$760,000	\$43,700	\$494,000	\$52,000	\$662,000	\$66,650	\$381,000	\$39,400	\$2,433,600	\$24,600	\$6,193,600	\$273,350
Hiawatha	\$1,576,000	\$52,900	\$1,520,000	\$87,400	\$2,928,000	\$208,000	\$2,759,800	\$317,610	\$1,640,000	\$186,700	\$108,000	\$0	\$10,531,800	\$852,610
Chippewa Valley	\$905,000	\$29,300	\$960,000	\$55,200	\$741,000	\$78,000	\$6,000	\$700	\$1,100,000	\$124,000	\$15,600	\$106,600	\$3,727,600	\$393,800
Wisconsin River	\$597,000	\$21,200	\$440,000	\$25,300	\$931,000	\$98,000	\$377,000	\$37,400	\$346,000	\$37,600	\$434,400	\$16,400	\$3,125,400	\$235,900
Wild Goose	\$737,000	\$23,700	\$360,000	\$20,700	\$0	\$0	\$1,561,000	\$234,150	\$692,000	\$78,800	\$0	\$0	\$3,350,000	\$357,350
Peace Memorial	\$712,000	\$24,300	\$840,000	\$48,300	\$950,000	\$100,000	\$0	\$0	\$927,000	\$104,300	\$0	\$0	\$3,429,000	\$276,900
Cornish Heritage	\$155,000	\$5,800	\$200,000	\$11,500	\$0	\$0	\$717,000	\$105,150	\$7,000	\$0	\$0	\$0	\$1,079,000	\$122,450
Titletown	\$1,303,000	\$43,800	\$1,480,000	\$85,100	\$3,734,000	\$272,800	\$2,350,600	\$269,130	\$900,000	\$98,500	\$324,000	\$0	\$10,091,600	\$769,330
Southern Tier	\$189,000	\$6,300	\$240,000	\$13,800	\$342,000	\$36,000	\$1,357,200	\$167,960	\$0	\$0	\$381,400	\$9,280	\$2,509,600	\$233,340
Glacial Plains	\$415,000	\$14,400	\$560,000	\$32,200	\$1,508,000	\$107,200	\$305,000	\$30,850	\$519,000	\$59,100	\$162,000	\$0	\$3,469,000	\$243,750
Coulee Country	\$534,000	\$17,600	\$240,000	\$13,800	\$475,000	\$50,000	\$494,800	\$59,040	\$166,000	\$18,800	\$0	\$0	\$1,909,800	\$159,240
TOTAL OF ALL CORRIDORS	\$17,819,000	\$590,300	\$15,080,000	\$867,100	\$23,490,000	\$1,845,600	\$19,560,050	\$2,345,000	\$14,423,000	\$1,608,600	\$9,616,000	\$340,520	\$99,988,050	\$7,597,120

TABLE 2B: COST ESTIMATE SUMMARY FOR ALL STUDIED CORRIDORS -- COMMUNICATIONS AND NON-ITS DEVICES

Corridor	Device & Network Comm.		Device Communications		Network Communications		Non-ITS Devices (CIS & LEP)		Network Comm. & Non-ITS	
	Installation	O & M	Installation	O & M	Installation	O & M	Installation	O & M	Installation	O & M
Badger State	\$3,693,200	\$49,200	\$1,681,200	\$49,200	\$2,012,000	\$0	\$1,635,000	\$0	\$3,647,000	\$0
Capitol	\$835,400	\$36,040	\$335,400	\$36,040	\$500,000	\$0	\$4,162,000	\$0	\$4,662,000	\$0
Fox Valley	\$6,562,400	\$98,400	\$3,740,400	\$98,400	\$2,822,000	\$0	\$6,975,000	\$0	\$9,797,000	\$0
South Central Connection	\$2,933,600	\$24,600	\$2,433,600	\$24,600	\$500,000	\$0	\$906,000	\$0	\$1,406,000	\$0
Hiawatha	\$608,000	\$0	\$108,000	\$0	\$500,000	\$0	\$5,068,000	\$0	\$5,568,000	\$0
Chippewa Valley	\$515,600	\$106,600	\$15,600	\$106,600	\$500,000	\$0	\$1,623,000	\$0	\$2,123,000	\$0
Wisconsin River	\$12,584,400	\$16,400	\$434,400	\$16,400	\$12,150,000	\$0	\$1,086,000	\$0	\$13,236,000	\$0
Wild Goose	\$0	\$0	\$0	\$0	\$0	\$0	\$905,000	\$0	\$905,000	\$0
Peace Memorial	\$8,316,000	\$0	\$0	\$0	\$8,316,000	\$0	\$1,260,000	\$0	\$9,576,000	\$0
Cornish Heritage	\$4,590,000	\$0	\$0	\$0	\$4,590,000	\$0	\$540,000	\$0	\$5,130,000	\$0
Titletown	\$324,000	\$0	\$324,000	\$0	\$0	\$0	\$3,792,000	\$0	\$3,792,000	\$0
Southern Tier	\$1,785,400	\$9,280	\$381,400	\$9,280	\$1,404,000	\$0	\$0	\$0	\$1,404,000	\$0
Glacial Plains	\$1,782,000	\$0	\$162,000	\$0	\$1,620,000	\$0	\$1,448,000	\$0	\$3,068,000	\$0
Coulee Country	\$2,430,000	\$0	\$0	\$0	\$2,430,000	\$0	\$0	\$0	\$2,430,000	\$0
OTHER INFRASTRUCTURE	\$3,000,000	\$0	\$0	\$0	\$3,000,000	\$0	\$0	\$0	\$3,000,000	\$0
TOTAL OF ALL CORRIDORS	\$49,960,000	\$340,520	\$9,616,000	\$340,520	\$40,344,000	\$0	\$29,400,000	\$0	\$69,744,000	\$0

Table 3: Badger State Corridor - Cost Summary Table

Region	Highway	Segment Start	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non-ITS Devices Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
NW	IH 94	MM 59 (STH 312)	MM 70 (USH 53)	11	Detection	SEE CHIPPEWA VALLEY CORRIDOR FOR DEVICE INFORMATION												
					Surveillance													
					Traffic Flow Management													
					Communications													
NW, SW	IH 94	MM 70 (USH 53)	MM 143 (STH 21)	76	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
						Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	9	\$360,000	\$0	\$0	\$0	\$9,000	\$11,700	\$20,700	\$0		
					Traffic Flow Management	Ramp gates	Per gate	20	\$380,000	\$0	\$0	\$0	\$0	\$40,000	\$40,000	\$0		
					Traveler Information	Roadside DMS	Per sign	5	\$415,000	\$0	\$0	\$0	\$23,500	\$23,500	\$47,000	\$0		
						PCMS pad	Per pad	2	\$14,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
SW	IH 94	MM 143 (STH 21)	MM 45 (IH 90)	3	Detection	Service interchange detector station	Per site	2	\$158,000	\$0	\$0	\$0	\$2,500	\$2,500	\$5,000	\$0		
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0		
					Traffic Flow Management	Ramp gates	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Communications	Fiber optic cable (operations & maintenance only)									\$0			
SW	IH 90/94	MM 45 (IH 90)	MM 92 (USH 12)	47	Detection	Mainline detector station	Per site	8	\$200,000	\$0	\$0	\$0	\$3,200	\$3,200	\$6,400	\$0		
						Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	9	\$360,000	\$0	\$0	\$0	\$9,000	\$11,700	\$20,700	\$0		
					Traffic Flow Management	Ramp gates	Per gate	16	\$304,000	\$0	\$0	\$0	\$0	\$32,000	\$32,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	2	\$650,000	\$0	\$0	\$0	\$16,200	\$16,200	\$32,400	\$32,500		
					Traveler Information	PCMS pads	Per pad	2	\$14,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non-ITS Devices	Crash investigation site	Per site	1	\$0	\$0	\$0	\$90,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
SW	IH 90/94	MM 92 (USH 12)	MM 115 (Columbia CTH CS)	23	Detection	Mainline detector station	Per site	4	\$100,000	\$0	\$0	\$0	\$1,600	\$1,600	\$3,200	\$0		
						Service interchange detector station	Per site	2	\$158,000	\$0	\$0	\$0	\$2,500	\$2,500	\$5,000	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	7	\$280,000	\$0	\$0	\$0	\$7,000	\$9,100	\$16,100	\$0		
					Traffic Flow Management	Ramp gates	Per gate	6	\$114,000	\$0	\$0	\$0	\$0	\$12,000	\$12,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	3	\$353,000	\$0	\$0	\$0	\$8,900	\$8,900	\$17,800	\$17,650		
					Traveler Information	PCMS pads	Per pad	3	\$21,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non-ITS Devices	Crash investigation site	Per site	1	\$0	\$0	\$0	\$90,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
SW	IH 39/90/94	MM 115 (Columbia CTH CS)	MM 132 (USH 51)	17	Detection	Mainline detector station	Per site	8	\$200,000	\$0	\$0	\$0	\$3,200	\$3,200	\$6,400	\$0		
					Surveillance	CCTV camera	Per camera	6	\$240,000	\$0	\$0	\$0	\$6,000	\$7,800	\$13,800	\$0		
					Traffic Flow Management	Ramp gates	Per gate	8	\$152,000	\$0	\$0	\$0	\$0	\$16,000	\$16,000	\$0		
						Ramp meters	Per meter	3	\$150,000	\$0	\$0	\$0	\$3,000	\$4,200	\$7,200	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$3,000	\$0	\$0	\$0	\$100	\$100	\$200	\$150		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
						PCMS pad	Per pad	2	\$14,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	3	\$0	\$0	\$0	\$3,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
SW	IH 90/39/94	MM 132 (USH 51)	MM 138 (IH 94)	6	Detection	Mainline detector station	Per site	7	\$175,000	\$0	\$0	\$0	\$2,800	\$2,800	\$5,600	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
					Surveillance	CCTV camera	Per camera	5	\$200,000	\$0	\$0	\$0	\$5,000	\$6,500	\$11,500	\$0		
					Traffic Flow Management	Ramp gates	Per gate	9	\$171,000	\$0	\$0	\$0	\$0	\$18,000	\$18,000	\$0		
						Ramp meters	Per meter	6	\$300,000	\$0	\$0	\$0	\$6,000	\$8,400	\$14,400	\$0		
					Traveler Information	DMS	Per sign	2	\$346,000	\$0	\$0	\$0	\$19,700	\$19,700	\$39,400	\$0		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
SW	IH 90/39	MM 138 (IH 94)	MM 142 (USH 12/18)	4	Detection	Mainline detector station	Per site	5	\$125,000	\$0	\$0	\$0	\$2,000	\$2,000	\$4,000	\$0		
						System interchange detector station	Per site	2	\$306,000	\$0	\$0	\$0	\$4,900	\$4,900	\$9,800	\$0		
					Surveillance	CCTV camera	Per camera	6	\$240,000	\$0	\$0	\$0	\$6,000	\$7,800	\$13,800	\$0		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
						PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
SW	USH 12	IH 90/94	Terrytown Rd,	6	Detection	None												
					Surveillance	None												
					Communications	Fiber optic cable	Per mile	5	\$0	\$270,000	\$0	\$0	\$0	\$0	\$0	\$0		
SW	USH 12	Terrytown Rd	Ski Hi Road	5	Detection	None												
					Surveillance	None												
					Communications	Fiber optic cable	Per mile	6	\$0	\$324,000	\$0	\$0	\$0	\$0	\$0	\$0		
SW	USH 12	Ski Hi Road	MM 249 (Parmenter St)	29	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$107,500	\$0	\$0	\$0	\$3,975	\$2,700	\$6,675	\$5,375		
					Traveler Information	PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (ARRA funding)	Per mile	28	\$0	\$0	\$1,512,000	\$0	\$0	\$0	\$0	\$0		
						T1 line	Per unit	3	\$0	\$3,600	\$0	\$0	\$600	\$24,000	\$24,600	\$0		
SW	USH 12	MM 249 (Parmenter St)	MM 267 (IH 39/90)	17	Detection	Mainline detector station	Per unit	31	\$775,000	\$0	\$0	\$0	\$12,400	\$12,400	\$24,800	\$0		
						ATR station upgrade	Per unit	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	18	\$720,000	\$0	\$0	\$0	\$18,000	\$23,400	\$41,400	\$0		
					Traffic Flow Management	Ramp meters	Per meter	38	\$1,900,000	\$0	\$0	\$0	\$38,000	\$53,200	\$91,200	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	15	\$451,000	\$0	\$0	\$0	\$11,700	\$11,700	\$23,400	\$22,550		
					Traveler Information	DMS	Per sign	6	\$1,038,000	\$0	\$0	\$0	\$59,100	\$59,100	\$118,200	\$0		
						PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non-ITS Devices	Crash investigation site	Per site	10	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	10	\$0	\$0	\$0	\$10,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable	Per mile	17	\$0	\$918,000	\$0	\$0	\$0	\$0	\$0	\$0		

SW	USH 51	IH 39/90/94	USH 151	4	Detection	None												
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$852,250	\$0	\$0	\$0	\$21,400	\$63,025	\$84,425	\$42,615		
					Traveler Information	Roadside DMS	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
					Communications	None												
SW	USH 51	USH 151	CTH BB	3	Detection	None												
					Surveillance	None												
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$593,500	\$0	\$0	\$0	\$42,650	\$14,900	\$57,550	\$29,675		
					Communications	T1 line	Per unit	3	\$0	\$3,600	\$0	\$0	\$600	\$24,000	\$24,600	\$0		
SW	USH 51	CTH BB	USH 12/18	3	Detection	Mainline detector station	Per site	3	\$75,000	\$0	\$0	\$0	\$1,200	\$1,200	\$2,400	\$0		
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Traveler Information	Roadside DMS	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$593,500	\$0	\$0	\$0	\$42,650	\$14,900	\$57,550	\$29,675		
					Communications	Fiber optic cable	Per mile	3	\$0	\$162,000	\$0	\$0	\$0	\$0	\$0	\$0		
COMMUNICATIONS						OTHER STATEWIDE INFRASTRUCTURE (TOWERS, HUTS -- ARRA FUNDS)												
						\$500,000												

\$14,971,750	\$1,681,200	\$2,012,000	\$1,635,000	\$437,875	\$633,825	\$1,071,700	\$180,190
Estimated Total Capital Cost	Estimated Device Communication Cost	Estimated Network Communications Cost	Estimated Non-ITS Devices Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)

### Table 4: Capitol Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non-ITS Devices Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
SW	STH 30	USH 151	IH 39/90	3	Detection	Mainline detector station	Per site	3	\$75,000	\$0	\$0	\$0	\$1,200	\$1,200	\$2,400	\$0		
						Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$4,000	\$5,200	\$9,200	\$0		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
						Roadside DMS	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
SW	IH 94	MM 240 (IH 39/90)	MM 244 (Dane CTH N)	4	Detection	Mainline detector station	Per site	6	\$150,000	\$0	\$0	\$0	\$2,400	\$2,400	\$4,800	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,300	\$1,000	\$2,300	\$0		
					Traveler Information	DMS	Per sign	2	\$346,000	\$0	\$0	\$0	\$19,700	\$19,700	\$39,400	\$0		
						PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O & M only)	Per mile											
SW	IH 39/90/94	MM 135 (USH 151)	MM 138 (IH 94)	3	Detection	SEE BADGER STATE CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SW	IH 39/90	MM 138 (IH 94)	MM 142 (USH 12 / 18)	4	Detection	SEE BADGER STATE CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SW	IH 94	MM 244 (Dane CTH N)	MM 255	11	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
						Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,900	\$3,000	\$6,900	\$0		
					Traffic Flow Management	Ramp gates	Per gate	4	\$76,000	\$0	\$0	\$0	\$8,000	\$0	\$8,000	\$0		
					Traveler Information	PCMS pad	Per pad	2	\$14,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non-ITS devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O & M only)												
SW	IH 94	MM 255	MM 259 (STH 89)	4	Detection	None												
					Surveillance	None												
					Traveler Information	PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O & M only)												
SW, SE	IH 94	MM 259 (STH 89)	MM 282 (STH 67)	21	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,300	\$1,000	\$2,300	\$0		
					Traffic Flow Management	Ramp gates	Per gate	7	\$133,000	\$0	\$0	\$0	\$14,000	\$0	\$14,000	\$0		
					Traveler Information	PCMS pad	Per sign	3	\$21,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O & M only)	Per mile											
SE	IH 94	MM-282 (STH 67)	MM 293 (STH 16)	12	Detection	Mainline detector station	Per site	8	\$200,000	\$0	\$0	\$0	\$3,200	\$3,200	\$6,400	\$0		
						ATR station upgrade	Per site	2	\$20,000	\$0	\$0	\$0	\$600	\$600	\$1,200	\$0		
					Surveillance	CCTV camera	Per camera	6	\$240,000	\$0	\$0	\$0	\$7,800	\$6,000	\$13,800	\$0		
					Traffic Flow Management	Ramp gates	Per gate	13	\$247,000	\$0	\$0	\$0	\$26,000	\$0	\$26,000	\$0		
						Ramp meters	Per meter	8	\$400,000	\$0	\$0	\$0	\$11,200	\$8,000	\$19,200	\$0		
					Traveler Information	Roadside DMS	Per sign	2	\$166,000	\$0	\$0	\$0	\$9,400	\$9,400	\$18,800	\$0		
					Non-ITS devices	Crash investigation site	Per site	10	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	5	\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O & M only)	Per mile											
SE	IH 94	MM 293 (STH 16)	MM 310 (IH 43)	17	Detection	Mainline detector station	Per site	23	\$575,000	\$0	\$0	\$0	\$9,200	\$9,200	\$18,400	\$0		
						Service interchange detector station	Per site	3	\$237,000	\$0	\$0	\$0	\$3,750	\$3,750	\$7,500	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
						ATR station upgrade	Per site	7	\$70,000	\$0	\$0	\$0	\$2,100	\$2,100	\$4,200	\$0		
					Surveillance	CCTV camera	Per camera	23	\$920,000	\$0	\$0	\$0	\$29,900	\$23,000	\$52,900	\$0		
					Traffic Flow Management	Ramp gates	Per gate	28	\$532,000	\$0	\$0	\$0	\$56,000	\$0	\$56,000	\$0		
						Ramp meters	Per meter	34	\$1,700,000	\$0	\$0	\$0	\$47,600	\$34,000	\$81,600	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	14	\$516,000	\$0	\$0	\$0	\$13,600	\$13,600	\$27,200	\$25,800		
					Traveler Information	DMS	Per sign	6	\$1,038,000	\$0	\$0	\$0	\$59,100	\$59,100	\$118,200	\$0		
					Non-ITS devices	Crash investigation site	Per site	32	\$0	\$0	\$0	\$2,880,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	16	\$0	\$0	\$0	\$16,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O & M only)	Per mile											
SE	IH 794	MM 1 (IH 94)	MM 3 (Caferry Drive)	3	Detection	Mainline detector station	Per site	7	\$175,000	\$0	\$0	\$0	\$2,800	\$2,800	\$5,600	\$0		
						ATR station upgrade	Per site	2	\$20,000	\$0	\$0	\$0	\$600	\$600	\$1,200	\$0		
					Surveillance	CCTV camera	Per camera	6	\$240,000	\$0	\$0	\$0	\$7,800	\$6,000	\$13,800	\$0		
					Traffic Flow Management	Ramp gates	Per gate	8	\$152,000	\$0	\$0	\$0	\$16,000	\$0	\$16,000	\$0		
						Ramp meters	Per meter	6	\$300,000	\$0	\$0	\$0	\$8,400	\$6,000	\$14,400	\$0		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0		
SW	USH 151	IH 39/90/94	Sun Prairie (Dane CTH N)	6	Detection	SEE WILD GOOSE CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SW	STH 19	USH 151	CTH VV	4	Detection	None												
					Surveillance	None												
					Communications	None												
SW	STH 19	CTH VV	Watertown (East Limits)	22	Detection	None												
					Surveillance	None												
					Communications	None												
SW	STH 19	Watertown (East Limits)	STH 16	4	Detection	None												
					Surveillance	None												
					Communications	None												
SW	STH 16	STH 19	Oconomowoc (Wisconsin Ave)	8	Detection	None												
					Surveillance	None												
					Communications	None												
SW, SE	Wisconsin Avenue	STH 16	STH 67	5	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 16	STH 67	IH 94	15	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
					Surveillance	None												
					Communications	None												

SE	STH 190	STH 16	USH 45	13	Detection	None											
					Surveillance	None											
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0	
					Communications	None											
SE	STH 190	USH 45	IH 43	4	Detection	Mainline detector station	Per site	4	\$100,000	\$0	\$0	\$0	\$1,600	\$1,600	\$3,200	\$0	
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,900	\$3,000	\$6,900	\$0	
					Traffic Signal Systems	Corridor upgrade	Per site	1	\$1,888,000	\$0	\$0	\$0	\$47,600	\$88,400	\$136,000	\$94,400	
					Communications	T1 line	Per unit	4	\$0	\$4,800	\$0	\$0	\$800	\$32,000	\$32,800	\$0	
SW	USH 18	MM 258 (USH 12 / 14)	MM 267 (IH 39 / 90)	9	Detection	SEE BADGER STATE CORRIDOR FOR DEVICE INFORMATION											
					Surveillance												
					Communications												
SW	USH 18	MM 267 (IH 39 / 90)	MM 272 (Dane CTH N)	5	Detection	None											
					Surveillance	None											
					Traveler Information	PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					Communications	None											
SW	USH 12/18	MM 272	Cambridge	9	Detection	None											
					Surveillance	None											
					Communications	None											
SW	USH 18	Cambridge	Jefferson (West Limits)	10	Detection	None											
					Surveillance	None											
					Communications	None											
SW	USH 18	Jefferson (West Limits)	Jefferson (East Limits)	2	Detection	None											
					Surveillance	None											
					Communications	None											
SW, SE	USH 18	Jefferson (East Limits)	Waukesha CTH BB	14	Detection	None											
					Surveillance	None											
					Communications	None											
SE	USH 18	Waukesha CTH BB	Waukesha (Madison St)	16	Detection	None											
					Surveillance	None											
					Communications	None											
SE	USH 18	Waukesha (Madison St)	IH 43 / 94	17	Detection	Mainline detector station	Per site	7	\$175,000	\$0	\$0	\$0	\$2,800	\$2,800	\$5,600	\$0	
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$5,200	\$4,000	\$9,200	\$0	
					Communications	Cellular Modem	Per unit	6	\$0	\$6,600	\$0	\$0	\$360	\$2,880	\$3,240	\$0	
SE	STH 59	Waukesha (Madison St)	I-894 / USH 45	10	Detection	None											
					Surveillance	None											
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0	
					Communications	None											
SE	STH 59	I-894 / USH 45	IH 43	6	Detection	Mainline detector station	Per site	6	\$150,000	\$0	\$0	\$0	\$2,400	\$2,400	\$4,800	\$0	
					Surveillance	CCTV camera	Per camera	6	\$240,000	\$0	\$0	\$0	\$7,800	\$6,000	\$13,800	\$0	
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0	
						Roadside DMS	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0	
					Communications	Fiber optic line	Per mile	6	\$0	\$324,000	\$0	\$0	\$0	\$0	\$0	\$0	

COMMUNICATIONS

OTHER STATEWIDE INFRASTRUCTURE (TOWERS,  
HUTS -- ARRA FUNDS)

\$500,000

\$13,081,000	\$335,400	\$500,000	\$4,162,000	\$499,360	\$419,980	\$919,340	\$120,200
Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non- ITS Devices Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)

Table 5: Fox Valley Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
NE	USH 41	IH 43	STH 29	2	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
						Service interchange detector station	Per site	3	\$237,000	\$0	\$0	\$0	\$3,750	\$3,750	\$7,500	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Traffic Flow Management	Ramp gates	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$6,000	\$0	\$0	\$0	\$200	\$200	\$400	\$300		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
					Non-ITS Devices	Crash investigation site	Per site	3	\$0	\$0	\$0	\$270,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	2	\$0	\$0	\$0	\$2,000	\$0	\$0	\$0	\$0		
						Fiber optic cable	Per mile	2	\$0	\$108,000	\$0	\$0	\$0	\$0	\$0	\$0		
					Communications													
NE	USH 41	STH 29	STH 172	4	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
						Service interchange detector station	Per site	3	\$237,000	\$0	\$0	\$0	\$3,750	\$3,750	\$7,500	\$0		
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$4,000	\$5,200	\$9,200	\$0		
					Traffic Flow Management	Ramp gates	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	3	\$24,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$1,200		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0		
						Fiber optic cable	Per mile	4	\$0	\$216,000	\$0	\$0	\$0	\$0	\$0	\$0		
					Communications													
NE	USH 41	STH 172	DePere South Limits	5	Detection	Service interchange detector station	Per site	2	\$158,000	\$0	\$0	\$0	\$2,500	\$2,500	\$5,000	\$0		
						System interchange detector station	Per site	2	\$306,000	\$0	\$0	\$0	\$4,900	\$4,900	\$9,800	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$4,000	\$5,200	\$9,200	\$0		
					Traffic Flow Management	Ramp gates	Per gate	8	\$152,000	\$0	\$0	\$0	\$0	\$16,000	\$16,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	2	\$24,000	\$0	\$0	\$0	\$600	\$600	\$1,200	\$1,200		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
					Non-ITS Devices	PCMS pad	Per sign	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
						Crash investigation site	Per site	6	\$0	\$0	\$0	\$540,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	4	\$0	\$0	\$0	\$4,000	\$0	\$0	\$0	\$0		
NE	USH 41	DePere South Limits	NE Jct STH 441	15	Communications	Fiber optic cable	Per mile	5	\$0	\$270,000	\$0	\$0	\$0	\$0	\$0	\$0		
					Detection	Mainline detector station	Per site	3	\$75,000	\$0	\$0	\$0	\$1,200	\$1,200	\$2,400	\$0		
						Service interchange detector station	Per site	3	\$237,000	\$0	\$0	\$0	\$3,750	\$3,750	\$7,500	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	5	\$200,000	\$0	\$0	\$0	\$5,000	\$6,500	\$11,500	\$0		
					Traffic Flow Management	Ramp gates	Per gate	10	\$190,000	\$0	\$0	\$0	\$0	\$20,000	\$20,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$8,000	\$0	\$0	\$0	\$200	\$200	\$400	\$400		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
					Non-ITS Devices	Crash investigation site	Per site	4	\$0	\$0	\$0	\$360,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	4	\$0	\$0	\$0	\$4,000	\$0	\$0	\$0	\$0		
NE	USH 41	NE Jct STH 441	SW Jct STH 441	11	Communications	Fiber optic cable	Per mile	15	\$0	\$810,000	\$0	\$0	\$0	\$0	\$0	\$0		
					Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
						Service interchange detector station	Per site	7	\$553,000	\$0	\$0	\$0	\$8,750	\$8,750	\$17,500	\$0		
						ATR station upgrade	Per site	4	\$40,000	\$0	\$0	\$0	\$1,200	\$1,200	\$2,400	\$0		
					Surveillance	CCTV camera	Per camera	8	\$320,000	\$0	\$0	\$0	\$8,000	\$10,400	\$18,400	\$0		
					Traffic Flow Management	Ramp gates	Per gate	12	\$228,000	\$0	\$0	\$0	\$0	\$24,000	\$24,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	5	\$56,000	\$0	\$0	\$0	\$1,600	\$1,600	\$3,200	\$2,800		
					Traveler Information	DMS	Per sign	2	\$346,000	\$0	\$0	\$0	\$19,700	\$19,700	\$39,400	\$0		
					Non-ITS Devices	Roadside DMS	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
						Crash investigation site	Per site	12	\$0	\$0	\$0	\$1,080,000	\$0	\$0	\$0	\$0		
NE	STH 441	NE Jct USH 41	SW Jct USH 41	10	Non-ITS Devices	Law enforcement pad	Per pad	7	\$0	\$0	\$0	\$7,000	\$0	\$0	\$0	\$0		
						Fiber optic cable	Per mile	11	\$0	\$594,000	\$0	\$0	\$0	\$0	\$0	\$0		
						T1 line	Per unit	7	\$0	\$8,400	\$0	\$0	\$1,400	\$56,000	\$57,400	\$0		
					Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
						Service interchange detector station	Per site	6	\$474,000	\$0	\$0	\$0	\$7,500	\$7,500	\$15,000	\$0		
					Surveillance	CCTV camera	Per camera	8	\$320,000	\$0	\$0	\$0	\$8,000	\$10,400	\$18,400	\$0		
					Traffic Flow Management	Ramp gates	Per gate	14	\$266,000	\$0	\$0	\$0	\$0	\$28,000	\$28,000	\$0		
						Ramp meters	Per meter	1	\$50,000	\$0	\$0	\$0	\$1,400	\$1,000	\$2,400	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	3	\$18,000	\$0	\$0	\$0	\$600	\$600	\$1,200	\$900		
					Traveler Information	DMS	Per sign	4	\$692,000	\$0	\$0	\$0	\$39,400	\$39,400	\$78,800	\$0		
NE	USH 41	SW Jct STH 441	Breezewood Ln (Neenah)	6	Non-ITS Devices	PCMS pad	Per pad	2	\$14,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
						Crash investigation site	Per site	14	\$0	\$0	\$0	\$1,260,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	4	\$0	\$0	\$0	\$4,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable	Per mile	6	\$0	\$324,000	\$0	\$0	\$0	\$0	\$0	\$0		
					Detection	Service interchange detector station	Per site	5	\$395,000	\$0	\$0	\$0	\$6,250	\$6,250	\$12,500	\$0		
						ATR station upgrade	Per site	4	\$40,000	\$0	\$0	\$0	\$1,200	\$1,200	\$2,400	\$0		
					Surveillance	CCTV camera	Per camera	7	\$280,000	\$0	\$0	\$0	\$7,000	\$9,100	\$16,100	\$0		
					Traffic Flow Management	Ramp gates	Per gate	10	\$190,000	\$0	\$0	\$0	\$0	\$20,000	\$20,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	4	\$24,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$1,200		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
NE	USH 41	Breezewood Ln (Neenah)	STH 44	12	Non-ITS Devices	Crash investigation site	Per site	8	\$0	\$0	\$0	\$720,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	5	\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0		
						Fiber optic cable	Per mile	12	\$0	\$648,000	\$0	\$0	\$0	\$0	\$0	\$0		
					Communications													

NE	USH 41	STH 44	Fond Du Lac CTH N	10	Detection	Service interchange detector station	Per site	2	\$158,000	\$0	\$0	\$0	\$2,500	\$2,500	\$5,000	\$0		
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0		
					Traffic Flow Management	Ramp gates	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	2	\$353,000	\$0	\$0	\$0	\$8,900	\$8,900	\$17,800	\$17,650		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
						PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	2	\$0	\$0	\$0	\$2,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line	Per mile	10	\$0	\$540,000	\$0	\$0	\$0	\$0	\$0	\$0		
						T1 line	Per unit	1	\$0	\$1,200	\$0	\$0	\$200	\$8,000	\$8,200	\$0		
NE	USH 41	Fond Du Lac CTH N	Winnebago St. (North Fond Du Lac)	5	Detection	None									\$0	\$0		
					Surveillance	None									\$0	\$0		
					Traffic Flow Management	Ramp gates	Per gate	2	\$38,000	\$0	\$0	\$0	\$0	\$4,000	\$4,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$331,000	\$0	\$0	\$0	\$8,300	\$8,300	\$16,600	\$16,550		
					Communications	T1 line	Per unit	1	\$0	\$1,200	\$0	\$0	\$200	\$8,000	\$8,200	\$0		
NE	USH 41	Winnebago St. (North Fond Du Lac)	USH 151	6	Detection	None									\$0	\$0		
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Traffic Flow Management	Ramp gates	Per gate	8	\$152,000	\$0	\$0	\$0	\$0	\$16,000	\$16,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$331,000	\$0	\$0	\$0	\$8,300	\$8,300	\$16,600	\$16,550		
					Communications	Fiber optic line	Per mile	4	\$0	\$216,000	\$0	\$0	\$0	\$0	\$0	\$0		
NE, SW, S	USH 41	USH 151	STH 100	45	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
						Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
						ATR station upgrade	Per site	3	\$30,000	\$0	\$0	\$0	\$900	\$900	\$1,800	\$0		
					Surveillance	CCTV camera	Per camera	5	\$200,000	\$0	\$0	\$0	\$5,000	\$6,500	\$11,500	\$0		
					Traffic Flow Management	Ramp gates	Per gate	30	\$570,000	\$0	\$0	\$0	\$0	\$60,000	\$60,000	\$0		
						Ramp meters	Per meter	2	\$100,000	\$0	\$0	\$0	\$2,800	\$2,000	\$4,800	\$0		
					Traveler Information	PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (ARRA funding)	Per mile	43	\$0	\$0	\$2,322,000	\$0	\$0	\$0	\$0	\$0		
						T1 line	Per unit	3	\$0	\$3,600	\$0	\$0	\$600	\$24,000	\$24,600	\$0		
SE	USH 41/45	STH 100	STH 145	2	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Traffic Flow Management	Ramp gates	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
						Ramp meters	Per meter	4	\$200,000	\$0	\$0	\$0	\$5,600	\$4,000	\$9,600	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$6,000	\$0	\$0	\$0	\$200	\$200	\$400	\$300		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O&M only)									\$0	\$0		
SE	USH 45	STH 145	IH 94	10	Detection	Mainline detector station	Per site	13	\$325,000	\$0	\$0	\$0	\$5,200	\$5,200	\$10,400	\$0		
						ATR station upgrade	Per site	3	\$30,000	\$0	\$0	\$0	\$900	\$900	\$1,800	\$0		
					Surveillance	CCTV camera	Per camera	11	\$440,000	\$0	\$0	\$0	\$11,000	\$14,300	\$25,300	\$0		
					Traffic Flow Management	Ramp gates	Per gate	22	\$418,000	\$0	\$0	\$0	\$0	\$44,000	\$44,000	\$0		
						Ramp meters	Per meter	22	\$1,100,000	\$0	\$0	\$0	\$30,800	\$22,000	\$52,800	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	8	\$1,069,000	\$0	\$0	\$1	\$27,100	\$27,100	\$54,200	\$53,450		
					Traveler Information	DMS	Per sign	2	\$346,000	\$0	\$0	\$0	\$19,700	\$19,700	\$39,400	\$0		
					Non-ITS Devices	Crash investigation site	Per site	18	\$0	\$0	\$0	\$1,620,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	9	\$0	\$0	\$0	\$9,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O&M only)									\$0	\$0		
NE	STH 23	USH 41	USH 45	2	Detection	None												
					Surveillance	None												
					Communications	None												
NE	USH 45	STH 23	Fond Du Lac CTH Y	20	Detection	None												
					Surveillance	None												
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$689,900	\$0	\$0	\$0	\$30,895	\$17,380	\$48,275	\$34,495		
					Communications	None												
NE, SE	USH 45	Fond Du Lac CTH Y	Kewaskum (North Limits)	4	Detection	None												
					Surveillance	None												
					Communications	None												
SE	USH 45	Kewaskum (North Limits)	Kewaskum (South Limits)	2	Detection	None												
					Surveillance	None												
					Communications	None												
SE	USH 45	Kewaskum (South Limits)	Washington CTH D	4	Detection	None												
					Surveillance	None												
					Communications	None												
SE	USH 45	Washington CTH D	USH 41	14	Detection	ATR station upgrade	Per site	2	\$20,000	\$0	\$0	\$0	\$600	\$600	\$1,200	\$0		
					Surveillance	None												
					Traffic Flow Management	Ramp gates	Per gate	12	\$228,000	\$0	\$0	\$0	\$0	\$24,000	\$24,000	\$0		
					Communications	None												

COMMUNICATIONS OTHER STATEWIDE INFRASTRUCTURE (TOWERS, HUTS -- ARRA FUNDS) \$500,000

\$16,761,900	\$3,740,400	\$2,822,000	\$6,975,000	\$425,795	\$813,780	\$1,239,575	\$148,095
Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)



Table 6: South Central Connection Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non-ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
SW	IH 39/90/94	MM 131 (STH 19)	MM 138 (IH 94)	7	Detection	SEE BADGER STATE CORRIDOR										\$0		
					Surveillance	FOR DEVICE INFORMATION										\$0		
					Communications											\$0		
SW	IH 39/90	MM 138 (IH 94)	MM 145	7	Detection	Mainline detector station	Per site	3	\$75,000	\$0	\$0	\$0	\$1,200	\$1,200	\$2,400	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Non-ITS Devices	Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line	Per mile	2	\$0	\$108,000	\$0	\$0	\$0	\$0	\$0	\$0		
SW	IH 39/90	MM 145	MM 171 (USH 14)	27	Detection	Mainline detector station	Per site	11	\$275,000	\$0	\$0	\$0	\$4,400	\$4,400	\$8,800	\$0		
						Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	8	\$320,000	\$0	\$0	\$0	\$8,000	\$10,400	\$18,400	\$0		
					Traffic Flow Management	Ramp gate	Per gate	10	\$190,000	\$0	\$0	\$0	\$0	\$20,000	\$20,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$328,000	\$0	\$0	\$0	\$8,200	\$8,200	\$16,400	\$16,400		
					Traveler Information	DMS	Per sign	2	\$346,000	\$0	\$0	\$0	\$19,700	\$19,700	\$39,400	\$0		
						PCMS pad	Per pad	2	\$14,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non-ITS Devices	Crash investigation site	Per site	4	\$0	\$0	\$0	\$360,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	3	\$0	\$0	\$0	\$3,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line	Per mile	27	\$0	\$1,458,000	\$0	\$0	\$0	\$0	\$0	\$0		
SW	IH 39/90	MM 171 (USH 14)	MM 177 (S Jct STH 11)	6	Detection	Mainline detector station	Per site	3	\$75,000	\$0	\$0	\$0	\$1,200	\$1,200	\$2,400	\$0		
						Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Traffic Flow Management	Ramp gate	Per gate	8	\$152,000	\$0	\$0	\$0	\$0	\$16,000	\$16,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$3,000	\$0	\$0	\$0	\$200	\$200	\$400	\$300		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line	Per mile	6	\$0	\$324,000	\$0	\$0	\$0	\$0	\$0	\$0		
SW	IH 39/90	MM 177 (S Jct STH 11)	MM 185 (IH 43)	8	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
						Service interchange detector station	Per site	2	\$158,000	\$0	\$0	\$0	\$2,500	\$2,500	\$5,000	\$0		
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$331,000	\$0	\$0	\$0	\$8,300	\$8,300	\$16,600	\$16,550		
					Traveler Information	PCMS pad	Per pad	2	\$14,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line	Per mile	8	\$0	\$432,000	\$0	\$0	\$0	\$0	\$0	\$0		
SW	IH 39/90	MM 185 (IH 43)	Illinois State Line	2	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0		
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Traveler Information	PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line	Per mile	2	\$0	\$108,000	\$0	\$0	\$0	\$0	\$0	\$0		
SW	USH 51	IH 39/90/94	USH 151	4	Detection	SEE BADGER STATE CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SW	USH 51	USH 151	CTH BB	3	Detection	SEE BADGER STATE CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SW	USH 51	CTH BB	USH 12 / 18	3	Detection	SEE BADGER STATE CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SW	USH 51	USH 12 / 18	Mahoney Rd	4	Detection	None												
					Surveillance	None												
					Communications	T1 line	Per unit	1	\$0	\$1,200	\$0	\$0	\$200	\$8,000	\$8,200	\$0		
SW	USH 51	Mahoney Rd	Dane CTH B	2	Detection	None												
					Surveillance	None												
					Communications	None												
SW	USH 51	Dane CTH B	N Page St (Stoughton)	6	Detection	None												
					Surveillance	None												
					Communications	None												
SW	USH 51	N Page St (Stoughton)	IH 39/90 (N Jct)	7	Detection	None												
					Surveillance	None												
					Communications	None												
SW	USH 51	IH 39/90 (S Jct)	USH 14	11	Detection	None												
					Surveillance	None												
					Communications	None												
SW	USH 51	USH 14	Janesville (South Limits)	6	Detection	None												
					Surveillance	None												
					Communications	None												
SW	USH 51	Janesville (South Limits)	E Inman Pkwy (Beloit)	10	Detection	None												
					Surveillance	None												
					Communications	None												
SW	USH 51	E Inman Pkwy (Beloit)	Illinois State Line	5	Detection	None												
					Surveillance	None												
					Communications	None												
SW	USH 14	USH 12 / 18	STH 138	9	Detection	None												
					Surveillance	None												
					Communications	T1 line	Per unit	2	\$0	\$2,400	\$0	\$0	\$400	\$16,000	\$16,400	\$0		

SW	USH 14	STH 138	N Madison St (Evansville)	11	Detection	None											
					Surveillance	None											
					Communications	None											
SW	STH 213	N Madison St	Illinois State Line	29	Detection	None											
		(Evansville)			Surveillance	None											
					Communications	None											
COMMUNICATIONS							OTHER STATEWIDE INFRASTRUCTURE (TOWERS, HUTS -- ARRA FUNDS)										
							\$500,000										

\$3,760,000	\$2,433,600	\$500,000	\$906,000	\$79,500	\$160,600	\$240,100	\$33,250
Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)

**Table 7: Hiawatha Corridor - Cost Summary Table**

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
SE	IH 94	N Jct IH 43	STH 100	12	Detection	Mainline detector station	Per site	17	\$425,000	\$0	\$0	\$0	\$6,800	\$6,800	\$13,600	\$0		
						Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
						ATR station upgrade	Per site	5	\$50,000	\$0	\$0	\$0	\$1,500	\$1,500	\$3,000	\$0		
					Surveillance	CCTV camera	Per camera	16	\$640,000	\$0	\$0	\$0	\$16,000	\$20,800	\$36,800	\$0		
					Traffic Flow Management	Ramp gate	Per gate	24	\$456,000	\$0	\$0	\$0	\$0	\$48,000	\$48,000	\$0		
						Ramp meters	Per meter	24	\$1,200,000	\$0	\$0	\$0	\$33,600	\$24,000	\$57,600	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	8	\$618,000	\$0	\$0	\$0	\$15,800	\$15,800	\$31,600	\$30,900		
					Traveler Information	DMS	Per sign	3	\$519,000	\$0	\$0	\$0	\$29,550	\$29,550	\$59,100	\$0		
					Non-ITS Devices	Crash investigation site	Per site	19	\$0	\$0	\$0	\$1,710,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	9	\$0	\$0	\$0	\$9,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O&M only)							\$0	\$0	\$0	\$0		
SE	IH 94	STH 100	STH 241	3	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Traffic Flow Management	Ramp gates	Per gate	3	\$57,000	\$0	\$0	\$0	\$0	\$6,000	\$6,000	\$0		
						Ramp meters	Per meter	1	\$50,000	\$0	\$0	\$0	\$1,400	\$1,000	\$2,400	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$38,000	\$0	\$0	\$0	\$1,000	\$1,000	\$2,000	\$1,900		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O&M only)												
SE	IH 94	STH 241	STH 142	15	Detection	Mainline detector station	Per site	15	\$375,000	\$0	\$0	\$0	\$6,000	\$6,000	\$12,000	\$0		
						ATR station upgrade	Per site	2	\$20,000	\$0	\$0	\$0	\$600	\$600	\$1,200	\$0		
					Surveillance	CCTV camera	Per camera	9	\$360,000	\$0	\$0	\$0	\$9,000	\$11,700	\$20,700	\$0		
					Traffic Flow Management	Ramp gates	Per gate	15	\$285,000	\$0	\$0	\$0	\$0	\$30,000	\$30,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	2	\$384,000	\$0	\$0	\$0	\$9,600	\$9,600	\$19,200	\$19,200		
					Traveler Information	DMS	Per sign	2	\$346,000	\$0	\$0	\$0	\$19,700	\$19,700	\$39,400	\$0		
					Non-ITS Devices	Crash investigation site	Per site	15	\$0	\$0	\$0	\$1,350,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	8	\$0	\$0	\$0	\$8,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O&M only)												
SE	IH 94	STH 142	STH 50	4	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0		
					Traffic Flow Management	Ramp gates	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
					Non-ITS Devices	Crash investigation site	Per site	4	\$0	\$0	\$0	\$360,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	2	\$0	\$0	\$0	\$2,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O&M only)												
SE	IH 94	STH 50	STH 165	3	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0		
					Traffic Flow Management	Ramp gates	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$38,000	\$0	\$0	\$0	\$1,000	\$1,000	\$2,000	\$1,900		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
					Non-ITS Devices	Crash investigation site	Per site	4	\$0	\$0	\$0	\$360,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	2	\$0	\$0	\$0	\$2,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O&M only)												
SE	IH 94	STH 165	Illinois State Line	2	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0		
					Traffic Flow Management	Ramp gates	Per gate	2	\$38,000	\$0	\$0	\$0	\$0	\$4,000	\$4,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$363,000	\$0	\$0	\$0	\$9,100	\$9,100	\$18,200	\$18,150		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O&M only)												
SE	USH 45 (IH 894)	IH 94	IH 43	5	Detection	Mainline detector station	Per site	7	\$175,000	\$0	\$0	\$0	\$2,800	\$2,800	\$5,600	\$0		
						Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	5	\$200,000	\$0	\$0	\$0	\$5,000	\$6,500	\$11,500	\$0		
					Traffic Flow Management	Ramp gates	Per gate	10	\$190,000	\$0	\$0	\$0	\$0	\$20,000	\$20,000	\$0		
						Ramp meters	Per meter	10	\$500,000	\$0	\$0	\$0	\$14,000	\$10,000	\$24,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	4	\$184,000	\$0	\$0	\$0	\$4,800	\$4,800	\$9,600	\$9,200		
					Traveler Information	DMS	Per sign	2	\$346,000	\$0	\$0	\$0	\$19,700	\$19,700	\$39,400	\$0		
					Non-ITS Devices	Crash investigation site	Per site	10	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	5	\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic line (O&M only)												
SE	USH 45	IH 43	STH 24	2	Detection	None	Per site	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Surveillance	None	Per camera	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Traffic Flow Management	None	Per gate	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
						None	Per meter	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$559,200	\$0	\$0	\$0	\$40,680	\$14,040	\$54,720	\$27,960		
					Traveler Information	Roadside DMS	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
					Communications	Fiber optic line	Per mile	2	\$0	\$108,000	\$0	\$0	\$0	\$0	\$0	\$0		
SE	USH 45	STH 24	N Jct STH 36	3	Detection	None												
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Communications	None												
SE	USH 45	N Jct STH 36	S Jct STH 36	2	Detection	None												
					Surveillance	None												
					Communications	None												
SE	USH 45	S Jct STH 36	STH 50	23	Detection	None												
					Surveillance	None												
					Communications	None												
SE	USH 45	STH 50	CTH AH	1	Detection	None												
					Surveillance	None												
					Communications	None												
SE	USH 45	CTH AH	Illinois State Line	4	Detection	None												
					Surveillance	None												
					Communications	None												

SE	STH 32	(IH 794)	Drexel Blvd (South Milwaukee)	12	Detection	None											
					Surveillance	None											
					Communications	None											
SE	STH 32	Drexel Blvd (South Milwaukee)	Milwaukee / Racine Cty Line	4	Detection	None											
					Surveillance	None											
					Communications	None											
SE	STH 32	Milwaukee / Racine Cty Line	STH 11	13	Detection	None											
					Surveillance	None											
					Communications	None											
SE	STH 32	STH 11	STH 158	8	Detection	None											
					Surveillance	None											
					Communications	None											
SE	STH 32	STH 158	Illinois State Line	7	Detection	None											
					Surveillance	None											
					Communications	None											
SE	STH 31	STH 32	Racine / Kenosha Cty Line	11	Detection	None											
					Surveillance	None											
					Traffic Signal Systems	Corridor signal upgrade	Per unit	1	\$575,600	\$0	\$0	\$0	\$14,520	\$27,780	\$42,300	\$28,780	
					Communications	None											
SE	STH 31	Racine / Kenosha Cty Line	Illinois State Line	12	Detection	None											
					Surveillance	None											
					Communications	None											
COMMUNICATIONS						OTHER STATEWIDE INFRASTRUCTURE (TOWERS, HUTS -- ARRA FUNDS)					\$500,000						

\$10,423,800	\$108,000	\$500,000	\$5,068,000	\$303,300	\$411,320	\$714,620	\$137,990
Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non-ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)

Table 8: Chippewa Valley Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
NW	IH 94	MM 0 Minnesota State Line	MM 3 (STH 35)	3	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
						Service interchange detector station	Per site	2	\$158,000	\$0	\$0	\$0	\$2,500	\$2,500	\$5,000	\$0		
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0		
					Traffic Flow Management	Ramp gate	Per gate	5	\$95,000	\$0	\$0	\$0	\$0	\$10,000	\$10,000	\$0		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
					Non - ITS devices	Crash investigation site	Per site	4	\$0	\$0	\$0	\$360,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per site	3	\$0	\$0	\$0	\$3,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
NW	IH 94	MM 3 (STH 35)	MM 19 (USH 63)	16	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
						Service interchange detector station	Per site	2	\$158,000	\$0	\$0	\$0	\$2,500	\$2,500	\$5,000	\$0		
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$4,000	\$5,200	\$9,200	\$0		
					Traffic Flow Management	Ramp gate	Per gate	8	\$152,000	\$0	\$0	\$0	\$0	\$16,000	\$16,000	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$3,000	\$0	\$0	\$0	\$100	\$100	\$200	\$150		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
						Roadside DMS sign	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
						PCMS pad	Per pad	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non - ITS devices	Crash investigation site	Per site	4	\$0	\$0	\$0	\$360,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
NW	IH 94	MM 19 (USH 63)	MM 41 (STH 25)	22	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$4,000	\$5,200	\$9,200	\$0		
					Traffic Flow Management	Ramp gate	Per gate	8	\$152,000	\$0	\$0	\$0	\$0	\$16,000	\$16,000	\$0		
					Traveler Information	Roadside DMS sign	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
NW	IH 94	MM 41 (STH 25)	MM 45 (Dunn CTH B)	4	Detection	None												
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$3,000	\$0	\$0	\$0	\$100	\$100	\$200	\$150		
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
NW	IH 94	MM 45 (Dunn CTH B)	MM 59 (STH 312)	14	Detection	Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0		
					Traffic Flow Management	Ramp gates	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Traveler Information	Roadside DMS sign	Per sign	4	\$332,000	\$0	\$0	\$0	\$18,800	\$18,800	\$37,600	\$0		
						PCMS pad	Per pad	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
NW	IH 94	MM 59 (STH 312)	MM 70 (USH 53)	11	Detection	Service interchange detector station	Per site	3	\$237,000	\$0	\$0	\$0	\$3,750	\$3,750	\$7,500	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$4,000	\$5,200	\$9,200	\$0		
					Traffic Flow Management	Ramp gate	Per gate	10	\$190,000	\$0	\$0	\$0	\$0	\$20,000	\$20,000	\$0		
					Traveler Information	Roadside DMS sign	Per sign	3	\$249,000	\$0	\$0	\$0	\$14,100	\$14,100	\$28,200	\$0		
					Non - ITS devices	Crash investigation site	Per site	8	\$0	\$0	\$0	\$720,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (operations & maintenance only)												
NW	USH 12	IH 94	S Jct USH 63	18	Detection	None												
					Surveillance	None												
					Communications	None												
NW	USH 12	S Jct USH 63	W Jct STH 29	25	Detection	None												
					Surveillance	None												
					Communications	None												
NW	USH 12	E Jct STH 29	W Jct STH 312	7	Detection	None												
					Surveillance	None												
					Communications	None												
NW	USH 12	W Jct STH 312	USH 53	10	Detection	None												
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Communications	T1 Line	Per unit	3	\$0	\$3,600	\$0	\$0	\$600	\$24,000	\$24,600	\$0		
NW	STH 35	IH 94	STH 65	7	Detection	None												
					Surveillance	None												
					Communications	None												
NW	STH 35	STH 65	STH 29	2	Detection	None												
					Surveillance	None												
					Communications	None												
NW	STH 29	STH 35	Menomonie (West Limits)	35	Detection	None												
					Surveillance	None												
					Communications	None												
NW	STH 29	Menomonie (West Limits)	Menomonie (East Limits)	6	Detection	None												
					Surveillance	None												
					Communications	T1 Line	Per unit	6	\$0	\$7,200	\$0	\$0	\$1,200	\$48,000	\$49,200	\$0		
NW	STH 29	Menomonie (East Limits)	IH 94	6	Detection	None												
					Surveillance	None												
					Communications	None												
NW	STH 29	IH 94	USH 53	16	Detection	ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	None												
					Communications	None	Per unit	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
NW	STH 29	USH 53	Chippewa CTH K	9	Detection	None												
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Traveler Information	PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non - ITS devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
					Communications	T1 Line	Per unit	3	\$0	\$3,600	\$0	\$0	\$600	\$24,000	\$24,600	\$0		
NW	STH 312	E Jct USH 12	USH 53	5	Detection	None												
					Surveillance	None												
					Communications	None												
NW	STH 124	USH 53	Park Avenue (Chippewa Falls)	4	Detection	None												
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Communications	T1 Line	Per unit	1	\$0	\$1,200	\$0	\$0	\$200	\$8,000	\$8,200	\$0		

NW	USH 53	IH 94	STH 29	11		SEE PEACE MEMORIAL CORRIDOR FOR DEVICE INFORMATION												

COMMUNICATIONS

OTHER STATEWIDE INFRASTRUCTURE (TOWERS,  
HUTS -- ARRA FUNDS)

\$500,000

\$3,712,000	\$15,600	\$500,000	\$1,623,000	\$103,450	\$290,050	\$393,500	\$300
Estimated Total Capital Cost	Estimated Device Communication Cost	Estimated Network Communication Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replace Cost (Per Year)

Table 9: Wisconsin River Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non-ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
NC	USH 51	USH 2	CTH N	46	Detection	None												
					Surveillance	None												
					Communications	Fiber optic cable (ARRA funding)	Per mile	46	\$0	\$0	\$2,484,000	\$0	\$0	\$0	\$0	\$0		
NC	USH 51	CTH N	STH 47	7	Detection	None												
					Surveillance	None												
					Communications	Fiber optic cable (ARRA funding)	Per mile	7	\$0	\$0	\$378,000	\$0	\$0	\$0	\$0	\$0		
NC	USH 51	STH 47	MM 234	26	Detection	None												
					Surveillance	None												
					Communications	Fiber optic cable (ARRA funding)	Per mile	26	\$0	\$0	\$1,404,000	\$0	\$0	\$0	\$0	\$0		
NC	USH 51	MM 234 (USH 8)	MM 229 (STH 86)	6	Detection	None												
					Surveillance	None												
					Communications	Fiber optic cable (ARRA funding)	Per mile	6	\$0	\$0	\$324,000	\$0	\$0	\$0	\$0	\$0		
NC	USH 51	MM 229 (CTH K / STH 86)	MM 194 (CTH K / CTH U)	35	Detection	ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Traveler Information	PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					Communications	Fiber optic cable (ARRA funding)	Per mile	35	\$0	\$0	\$1,890,000	\$0	\$0	\$0	\$0	\$0		
NC	USH 51	MM 194 (CTH K / CTH U)	MM 187 (South Jct STH 29)	8	Detection	Mainline detector station	Per site	14	\$203,000	\$0	\$0	\$0	\$3,500	\$3,500	\$7,000	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	6	\$240,000	\$0	\$0	\$0	\$6,000	\$7,800	\$13,800	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	4	\$377,000	\$0	\$0	\$0	\$9,500	\$9,500	\$19,000	\$18,400		
					Traveler Information	Roadside DMS	Per sign	2	\$166,000	\$0	\$0	\$0	\$9,400	\$9,400	\$18,800	\$0		
						PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					Non-ITS Devices	Crash investigation site	Per site	12	\$0	\$0	\$0	\$1,080,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	5	\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	
					Communications	Fiber optic cable	Per mile	8	\$0	\$432,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
					Communications	T1 line	Per mile	1	\$0	\$1,200	\$0	\$0	\$200	\$8,000	\$8,200	\$0		
NC	IH 39	MM 187 (South Jct STH 29)	MM 161 (North Jct Bus 51)	28	Detection	Mainline detector station	Per site	6	\$87,000	\$0	\$0	\$0	\$1,500	\$1,500	\$3,000	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0		
					Traffic Flow Management	Ramp gate	Per gate	12	\$228,000	\$0	\$0	\$0	\$0	\$24,000	\$24,000	\$0		
					Traveler Information	Roadside DMS	Per sign	2	\$166,000	\$0	\$0	\$0	\$9,400	\$9,400	\$18,800	\$0		
					Non-ITS Devices	Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0	\$0	
					Communications	Fiber optic cable (ARRA funding)	Per mile	28	\$0	\$0	\$1,512,000	\$0	\$0	\$0	\$0	\$0	\$0	
					Communications	T1 line	Per mile	1	\$0	\$1,200	\$0	\$0	\$200	\$8,000	\$8,200	\$0		
NC	IH 39	MM 161 (North Jct Bus 51)	MM 158 (USH 10)	4	Detection	None			\$0						\$0	\$0		
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Communications	Fiber optic cable	Per mile	4	\$0	\$0	\$216,000	\$0	\$0	\$0	\$0	\$0		
SW, NC	IH 39	MM 158 (USH 10)	MM 92 (USH 51)	64	Detection	ATR station upgrade	Per site	2	\$20,000	\$0	\$0	\$0	\$600	\$600	\$1,200	\$0		
					Traffic Flow Management	Ramp gate	Per gate	23	\$437,000	\$0	\$0	\$0	\$0	\$46,000	\$46,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	64	\$0	\$0	\$3,456,000	\$0	\$0	\$0	\$0	\$0		
SW	IH 39	MM 92 (USH 51)	MM 89 (STH 16)	3	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Traffic Flow Management	Ramp gate	Per gate	2	\$38,000	\$0	\$0	\$0	\$0	\$4,000	\$4,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	3	\$0	\$0	\$162,000	\$0	\$0	\$0	\$0	\$0		
SW	IH 39	MM 89 (STH 16)	MM 108 (IH 90/94)	6	Detection	Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0		
					Traffic Flow Management	Ramp gate	Per gate	8	\$152,000	\$0	\$0	\$0	\$0	\$16,000	\$16,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	6	\$0	\$0	\$324,000	\$0	\$0	\$0	\$0	\$0		
SW	IH 39/90/94	MM 108 (IH 90/94)	MM 115 (CTH CS)	7	Detection	SEE BADGER STATE CORRIDOR FOR DEVICE INFORMATION												
					Surveillance													
					Communications													
SW	IH 39/90/94	MM 115 (CTH CS)	MM 132 (USH 51)	17	Detection	SEE BADGER STATE CORRIDOR FOR DEVICE INFORMATION												
					Surveillance													
					Communications													
SW	IH 39/90/94	MM 132 (USH 51)	MM 138 (IH 94)	6	Detection	SEE BADGER STATE CORRIDOR FOR DEVICE INFORMATION												
					Surveillance													
					Communications													

\$2,691,000	\$434,400	\$12,150,000	\$1,086,000	\$50,300	\$167,200	\$217,500	\$18,400
Estimated Total Capital Cost	Estimated Device Communication Cost	Estimated Network Communications Cost	Estimated Non-ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)

Table 10: Wild Goose Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
SW	USH 151	E Jct USH 12	IH 39/90/94	10	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$4,000	\$5,200	\$9,200	\$0		
					Traffic Signal Systems	Corridor signal upgrade	Per site	2	\$1,561,000	\$0	\$0	\$0	\$39,200	\$116,900	\$156,100	\$78,050		
					Traveler Information	DMS	Per sign	3	\$519,000	\$0	\$0	\$0	\$29,550	\$29,550	\$59,100	\$0		
SW	USH 151	IH 39/90/94	N Bristol St (Sun Prairie)	6	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0		
						Service interchange detector station	Per site	3	\$237,000	\$0	\$0	\$0	\$3,750	\$3,750	\$7,500	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$4,000	\$5,200	\$9,200	\$0		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
					Non-ITS Devices	Crash investigation site	Per site	8	\$0	\$0	\$0	\$720,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	4	\$0	\$0	\$0	\$4,000	\$0	\$0	\$0	\$0		
SW	USH 151	N Bristol St (Sun Prairie)	Madison Street (Beaver Dam)	26	Detection	Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Non-ITS Devices	Crash investigation site	Per site	2	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0		
SW	USH 151	Madison Street (Beaver Dam)	Dodge CTH B	6	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
						Service interchange detector station	Per site	2	\$158,000	\$0	\$0	\$0	\$2,500	\$2,500	\$5,000	\$0		
					Surveillance	None												
					Communications	None												
SW	USH 151	Dodge CTH B	MM 144 (STH 26)	9	Detection	None												
					Surveillance	None												
					Communications	None												
SW, NE	USH 151	MM 144 (STH 26)	MM 148 (STH 26)	4	Detection	None												
					Surveillance	None												
					Communications	None												
NE	USH 151	MM 148 (STH 26)	Fond Du Lac CTH D	11	Detection	None												
					Surveillance	None												
					Communications	None												
NE	USH 151	Fond Du Lac CTH D	USH 41	2	Detection	None												
					Surveillance	None												
					Communications	None												
NE	USH 41	USH 151	Winnebago St. (N Fond du Lac)	6	Detection	SEE FOX VALLEY CORRIDOR FOR DEVICE INFORMATION												
					Surveillance													
					Communications													
NE	USH 41	Winnebago St. (N Fond du Lac)	Fond Du Lac CTH N	5	Detection	SEE FOX VALLEY CORRIDOR FOR DEVICE INFORMATION												
					Surveillance													
					Communications													
NE	USH 41	Fond Du Lac CTH N	STH 44	10	Detection	SEE FOX VALLEY CORRIDOR FOR DEVICE INFORMATION												
					Surveillance													
					Communications													
NE	USH 41	STH 44	Breezewood Ln	12	Detection	SEE FOX VALLEY CORRIDOR FOR DEVICE INFORMATION												
					Surveillance													
					Communications													
NE	STH 26	USH 151	STH 23	10	Detection	None												
					Surveillance	None												
					Communications	None												
NE	STH 26	STH 23	USH 41	11	Detection	None												
					Surveillance	None												
					Communications	None												

\$3,350,000	\$0	\$0	\$905,000	\$99,450	\$179,850	\$279,300	\$78,050
Estimated Total Capital Cost	Estimated Device Communication Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)



Table 11: Peace Memorial Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non-ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
NW	USH 53	MN State Line	Superior (South Limits)	8	Detection	ATR station upgrade	Per unit	3	\$30,000	\$0	\$0	\$0	\$900	\$900	\$1,800	\$0		
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Traffic Flow Management	Ramp gate	Per gate	6	\$114,000	\$0	\$0	\$0	\$0	\$12,000	\$12,000	\$0		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
					Roadway DMS	Roadway DMS	Per sign	4	\$332,000	\$0	\$0	\$0	\$18,800	\$18,800	\$37,600	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	8	\$0	\$0	\$432,000	\$0	\$0	\$0	\$0	\$0		
NW	USH 53	Superior (South Limits)	Douglas CTH B	15	Detection	None			\$0						\$0	\$0		
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Traveler Information	Roadway DMS	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	15	\$0	\$0	\$810,000	\$0	\$0	\$0	\$0	\$0		
NW	USH 53	Douglas CTH B	Barron CTH V	65	Detection	ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0		
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	65	\$0	\$0	\$3,510,000	\$0	\$0	\$0	\$0	\$0		
NW	USH 53	Barron CTH V	Chippewa CTH S	49	Detection	ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Traffic Flow Management	Ramp gate	Per gate	18	\$342,000	\$0	\$0	\$0	\$0	\$36,000	\$36,000	\$0		
					Traveler Information	Roadway DMS	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
						PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	49	\$0	\$0	\$2,646,000	\$0	\$0	\$0	\$0	\$0		
NW	USH 53	Chippewa CTH S	STH 29	6	Detection	None			\$0						\$0	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Traveler Information	Roadway DMS	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	6	\$0	\$0	\$324,000	\$0	\$0	\$0	\$0	\$0		
NW	USH 53	STH 29	IH 94	11	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
						Service interchange detector station	Per site	6	\$474,000	\$0	\$0	\$0	\$7,500	\$7,500	\$15,000	\$0		
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	9	\$360,000	\$0	\$0	\$0	\$9,000	\$11,700	\$20,700	\$0		
					Traffic Flow Management	Ramp gate	Per gate	14	\$266,000	\$0	\$0	\$0	\$0	\$28,000	\$28,000	\$0		
					Traveler Information	Roadway DMS	Per sign	2	\$166,000	\$0	\$0	\$0	\$9,400	\$9,400	\$18,800	\$0		
					Non-ITS Devices	Crash investigation site	Per site	14	\$0	\$0	\$0	\$1,260,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	11	\$0	\$0	\$594,000	\$0	\$0	\$0	\$0	\$0		

\$3,429,000	\$0	\$8,316,000	\$1,260,000	\$85,300	\$191,600	\$276,900	\$0
Estimated Total Capital Cost	Estimated Device Communication Cost	Estimated Network Communications Cost	Estimated Non-ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)

Table 12: Cornish Heritage Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
SW	USH 151	Iowa state line	N Jct USH 61	8	Detection	ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	None												
					Communications	Fiber optic cable (ARRA funding)	Per mile	8	\$0	\$0	\$432,000	\$0	\$0	\$0	\$0	\$0		
SW	USH 151	N Jct USH 61	N Jct STH 23	36	Detection	None												
					Surveillance	None												
					Communications	Fiber optic cable (ARRA funding)	Per mile	36	\$0	\$0	\$1,944,000	\$0	\$0	\$0	\$0	\$0		
SW	USH 151	N Jct STH 23	W Jct USH 18	3	Detection	None												
					Surveillance	None												
					Communications	Fiber optic cable	Per mile	3	\$0	\$0	\$162,000	\$0	\$0	\$0	\$0	\$0		
SW	USH 151	W Jct USH 18	Verona Ave	29	Detection	ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
			(West Jct)		Surveillance	None												
					Communications	Fiber optic cable (ARRA funding)	Per mile	29	\$0	\$0	\$1,566,000	\$0	\$0	\$0	\$0	\$0		
SW	USH 151	Verona Ave	Dane CTH PD	7	Detection	Mainline detector station	Per site	4	\$100,000	\$0	\$0	\$0	\$1,600	\$1,600	\$3,200	\$0		
		(West Jct)				ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$4,000	\$5,200	\$9,200	\$0		
					Traveler Information	PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Non-ITS Devices	Crash investigation site	Per site	6	\$0	\$0	\$0	\$540,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	7	\$0	\$0	\$378,000	\$0	\$0	\$0	\$0	\$0		
SW	USH 151	Dane CTH PD	W Jct USH 12	2	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$717,000	\$0	\$0	\$0	\$18,000	\$51,300	\$69,300	\$35,850		
					Communications	Fiber optic cable (ARRA funding)	Per mile	2	\$0	\$0	\$108,000	\$0	\$0	\$0	\$0	\$0		
SW	USH 151	W Jct USH 12	IH 39/90/94	10	Detection	SEE BADGER STATE CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SW	USH 151	IH 39/90/94	N Bristol St	6	Detection	SEE WILD GOOSE CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SW	USH 151	N Bristol St	Madison Street	26	Detection	SEE WILD GOOSE CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													

\$1,079,000	\$0	\$4,590,000	\$540,000	\$25,900	\$60,700	\$86,600	\$35,850
Estimated Total Capital Cost	Estimated Device Communication Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)

Table 13: Titledtown Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non-ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status	
NE	IH 43	MM 192 (USH 41)	MM 185 (STH 57)	7	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$0	\$800	\$800	\$1,600	\$0			
						Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0				
					Surveillance	CCTV camera	Per camera	6	\$240,000	\$0	\$0	\$6,000	\$7,800	\$13,800	\$0				
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$8,000	\$8,000	\$0				
						Ramp meter	Per meter	4	\$200,000	\$0	\$0	\$4,000	\$5,600	\$9,600	\$0				
					Non-ITS Devices	Crash investigation site	Per site	4	\$0	\$0	\$0	\$360,000	\$0	\$0	\$9,600	\$0			
NE	IH 43	MM 185 (STH 57)	MM 180 (STH 172)	5	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0			
						Service interchange detector station	Per site	2	\$158,000	\$0	\$0	\$2,500	\$2,500	\$5,000	\$0				
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0				
					Traffic Flow Management	Ramp gate	Per gate	8	\$152,000	\$0	\$0	\$0	\$16,000	\$16,000	\$0				
						Ramp meter	Per meter	4	\$200,000	\$0	\$0	\$4,000	\$5,600	\$9,600	\$0				
					Traveler Information	PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
NE	IH 43	MM 180 (STH 172)	MM 128 (STH 42)	52	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0			
						ATR station upgrade	Per site	2	\$20,000	\$0	\$0	\$600	\$600	\$1,200	\$0				
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0				
					Traffic Flow Management	Ramp gate	Per gate	20	\$380,000	\$0	\$0	\$0	\$40,000	\$40,000	\$0				
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0				
					Non-ITS Devices	PCMS pad	Per pad	2	\$14,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
NE	IH 43	MM 128 (STH 42)	MM 123 (STH 28)	5	Detection	Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0				
						System interchange detector station	Per site	1	\$153,000	\$0	\$0	\$2,450	\$2,450	\$4,900	\$0				
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0				
					Traffic Flow Management	Ramp gate	Per gate	2	\$38,000	\$0	\$0	\$0	\$4,000	\$4,000	\$0				
NE, SE	IH 43	MM 123 (STH 28)	MM 100 (STH 84)	23	Detection	Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0				
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$300	\$300	\$600	\$0				
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0				
					Traffic Flow Management	Ramp gate	Per gate	10	\$190,000	\$0	\$0	\$0	\$20,000	\$20,000	\$0				
					Traveler Information	PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
SE	IH 43	MM 100 (STH 84)	MM 97 (STH 57)	3	Detection	None													
					Surveillance	None													
					Traffic Flow Management	Ramp gate	Per gate	2	\$38,000	\$0	\$0	\$0	\$4,000	\$4,000	\$0				
SE	IH 43	MM 97 (STH 57)	MM 92 (STH 60)	5	Detection	None													
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0				
					Traffic Flow Management	Ramp gate	Per gate	6	\$114,000	\$0	\$0	\$0	\$12,000	\$12,000	\$0				
SE	IH 43	MM 92 (STH 60)	MM 85 (STH 167)	7	Detection	Mainline detector station	Per site	3	\$75,000	\$0	\$0	\$1,200	\$1,200	\$2,400	\$0				
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$300	\$300	\$600	\$0				
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0				
					Traffic Flow Management	Ramp gate	Per gate	2	\$38,000	\$0	\$0	\$0	\$4,000	\$4,000	\$0				
						Ramp meter	Per meter	2	\$100,000	\$0	\$0	\$2,000	\$2,800	\$4,800	\$0				
					Traveler Information	PCMS pad	Per pad	1	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
SE	IH 43	MM 85 (STH 167)	MM 72 (IH 94)	13	Detection	Mainline detector station	Per site	17	\$425,000	\$0	\$0	\$0	\$6,800	\$6,800	\$13,600	\$0			
						ATR station upgrade	Per site	4	\$40,000	\$0	\$0	\$1,200	\$1,200	\$2,400	\$0				
					Surveillance	CCTV camera	Per camera	19	\$760,000	\$0	\$0	\$19,000	\$24,700	\$43,700	\$0				
					Traffic Flow Management	Ramp gate	Per gate	24	\$456,000	\$0	\$0	\$0	\$48,000	\$48,000	\$0				
						Ramp meter	Per meter	24	\$1,200,000	\$0	\$0	\$24,000	\$33,600	\$57,600	\$0				
					Traffic Signal Systems	Interchange termini upgrade	Per site	16	\$1,455,000	\$0	\$0	\$37,100	\$37,100	\$74,200	\$72,750				
					Traveler Information	DMS	Per sign	3	\$519,000	\$0	\$0	\$29,550	\$29,550	\$59,100	\$0				
					Non-ITS Devices	Crash investigation site	Per site	24	\$0	\$0	\$0	\$2,160,000	\$0	\$0	\$0	\$0			
NE	STH 172	IH 43 (Bellevue)	STH 57 (Allouez)	4	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0			
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0				
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$8,000	\$8,000	\$0				
						Ramp meter	Per meter	4	\$200,000	\$0	\$0	\$4,000	\$5,600	\$9,600	\$0				
					Traffic Signal Systems	Interchange termini upgrade	Per site	2	\$12,000	\$0	\$0	\$0	\$400	\$800	\$600				
					Non-ITS Devices	Crash investigation site	Per site	4	\$0	\$0	\$0	\$360,000	\$0	\$0	\$0	\$0			
						Law enforcement pad	Per site	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0			
					Communications	Fiber optic line	Per mile	4	\$0	\$216,000	\$0	\$0	\$0	\$0	\$0	\$0			
NE	STH 172	STH 57 (Allouez)	USH 41 (Ashwaubenon)	2	Detection	Mainline detector station	Per site	2	\$50,000	\$0	\$0	\$800	\$800	\$1,600	\$0				
					Surveillance	CCTV camera	Per camera	2	\$80,000	\$0	\$0	\$2,000	\$2,600	\$4,600	\$0				
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$8,000	\$8,000	\$0				
						Ramp meter	Per meter	4	\$200,000	\$0	\$0	\$4,000	\$5,600	\$9,600	\$0				
					Traffic Signal Systems	Interchange termini upgrade	Per site	1	\$6,000	\$0	\$0	\$200	\$200	\$400	\$300				
					Non-ITS Devices	Crash investigation site	Per site	4	\$0	\$0	\$0	\$360,000	\$0	\$0	\$0	\$0			
NE	STH 172	STH 57 (Allouez)	USH 41 (Ashwaubenon)	2		Law enforcement pad	Per site	1	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$0			
					Communications	Fiber optic line	Per mile	2	\$0	\$108,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
					Detection	None													
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$877,600	\$0	\$0	\$25,520	\$43,880	\$69,400	\$50,680				
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0				
					Communications	None													
NE	STH 57	STH 172	STH 23	58	Detection	None													
					Surveillance	None													
					Communications	None													
NE	STH 57	STH 23	Plymouth (South limits)	2	Detection	None													
					Surveillance	None													
					Communications	None													
NE, SE	STH 57	Plymouth (South limits)	IH 43	23	Detection	None													
					Surveillance	None													
					Communications	None													

\$9,767,600	\$324,000	\$0	\$3,792,000	\$213,370	\$431,630	\$645,000	\$124,330
Estimated Total Capital Cost	Estimated Device Communication Cost	Estimated Network Communications Cost	Estimated Non-ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)

Table 14: Southern Tier Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
SW	IH 43	IH 39/90	S Schroeder Rd	3	Detection	Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Traffic Flow Management	Ramp gate	Per gate	2	\$38,000	\$0	\$0	\$0	\$0	\$4,000	\$4,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	3	\$0	\$0	\$162,000	\$0	\$0	\$0	\$0	\$0		
SW, SE	IH 43	S Schroeder Rd	USH 14	11	Detection	None												
					Traffic Flow Management	Ramp gate	Per gate	2	\$38,000	\$0	\$0	\$0	\$0	\$4,000	\$4,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	11	\$0	\$0	\$594,000	\$0	\$0	\$0	\$0	\$0		
SE	IH 43	USH 14	STH 50	7	Detection	ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	7	\$0	\$0	\$378,000	\$0	\$0	\$0	\$0	\$0		
SE	IH 43	STH 50	STH 67	3	Detection	None												
					Traffic Flow Management	Ramp gate	Per gate	2	\$38,000	\$0	\$0	\$0	\$0	\$4,000	\$4,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	3	\$0	\$0	\$162,000	\$0	\$0	\$0	\$0	\$0		
SE	IH 43	STH 67	STH 11	2	Detection	None												
					Traffic Flow Management	Ramp gate	Per gate	8	\$152,000	\$0	\$0	\$0	\$0	\$16,000	\$16,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	2	\$0	\$0	\$108,000	\$0	\$0	\$0	\$0	\$0		
SE	STH 11	IH 43	Burlington (West limits)	11	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 11	Burlington (West limits)	Burlington (East limits)	3	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 11	Burlington (East limits)	STH 75	8	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 11	STH 75	USH 45	3	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 11	USH 45	IH 94	5	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 11	IH 94	STH 32	8	Detection	None												
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$376,500	\$0	\$0	\$0	\$9,500	\$18,425	\$27,925	\$18,825		
					Communications	Cellular modem	Per unit	2	\$0	\$2,200	\$0	\$0	\$120	\$960	\$1,080	\$0		
SW	USH 14	IH 39/90	Henke Rd / Van Allen Rd	3	Detection	None												
					Surveillance	None												
					Communications	None												
SW, SE	USH 14	Henke Rd / Van Allen Rd	IH 43	13	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 50	IH 43	STH 67	5	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 50	STH 67	Lake Geneva (West limits)	5	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 50	Lake Geneva (West limits)	USH 12	2	Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$291,800	\$0	\$0	\$0	\$7,360	\$13,990	\$21,350	\$14,590		
					Communications	T1 line	Per unit	1	\$0	\$1,200	\$0	\$0	\$200	\$8,000	\$8,200	\$0		
SE	STH 50	USH 12	CTH P	6	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 50	CTH P	STH 75	10	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 50	STH 75	Paddock Lake (East limits)	2	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 50	Paddock Lake (East limits)	IH 94	7	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 50	IH 94	CTH H	2	Detection	None												
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$688,900	\$0	\$0	\$0	\$17,380	\$33,445	\$50,825	\$34,445		
					Communications	Fiber optic line	Per mile	2	\$0	\$108,000	\$0	\$0	\$0	\$0	\$0	\$0		
SE	STH 50	CTH H	STH 32	5	Detection	Mainline detector station	Per site	4	\$100,000	\$0	\$0	\$0	\$1,600	\$1,600	\$3,200	\$0		
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$4,000	\$5,200	\$9,200	\$0		
					Communications	Fiber optic line	Per mile	5	\$0	\$270,000	\$0	\$0	\$0	\$0	\$0	\$0		

\$2,128,200	\$381,400	\$1,404,000	\$0	\$43,710	\$121,770	\$165,480	\$67,860
Estimated Total Capital Cost	Estimated Device Communication Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)

Table 15: Glacial Plains Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
SW	IH 43	IH 39/90	S Schroeder Rd	3	Detection	SEE SOUTHERN TIER CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SW, SE	IH 43	S Schroeder Rd	USH 14	11	Detection	SEE SOUTHERN TIER CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SE	IH 43	USH 14	STH 50	7	Detection	SEE SOUTHERN TIER CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SE	IH 43	STH 50	STH 67	3	Detection	SEE SOUTHERN TIER CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SE	IH 43	STH 67	STH 11	2	Detection	SEE SOUTHERN TIER CORRIDOR												
					Surveillance	FOR DEVICE INFORMATION												
					Communications													
SE	IH 43	STH 11	STH 120	9	Detection	ATR station upgrade	Per unit	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Traffic Flow Management	Ramp gate	Per gate	2	\$38,000	\$0	\$0	\$0	\$0	\$4,000	\$4,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	9	\$0	\$0	\$486,000	\$0	\$0	\$0	\$0	\$0		
SE	IH 43	STH 120	STH 164	14	Detection	None												
					Surveillance	Ramp gate	Per gate	6	\$114,000	\$0	\$0	\$0	\$0	\$12,000	\$12,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	14	\$0	\$0	\$756,000	\$0	\$0	\$0	\$0	\$0		
SE	IH 43	STH 164	CTH Y	4	Detection	ATR station upgrade	Per unit	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Traffic Flow Management	Ramp gate	Per gate	2	\$38,000	\$0	\$0	\$0	\$0	\$4,000	\$4,000	\$0		
					Communications	Fiber optic cable (ARRA funding)	Per mile	4	\$0	\$0	\$216,000	\$0	\$0	\$0	\$0	\$0		
SE	IH 43	CTH Y	MM 59 (Milwaukee / Waukesha Cty)	5	Detection	Mainline detector station	Per unit	3	\$75,000	\$0	\$0	\$0	\$1,200	\$1,200	\$2,400	\$0		
					Surveillance	CCTV camera	Per camera	3	\$120,000	\$0	\$0	\$0	\$3,000	\$3,900	\$6,900	\$0		
					Traffic Flow Management	Ramp gate	Per gate	6	\$114,000	\$0	\$0	\$0	\$0	\$12,000	\$12,000	\$0		
						Ramp meter	Per meter	2	\$100,000	\$0	\$0	\$0	\$2,000	\$2,800	\$4,800	\$0		
					Traveler Information	DMS	Per sign	1	\$173,000	\$0	\$0	\$0	\$9,850	\$9,850	\$19,700	\$0		
					Non-ITS Devices	Crash investigation site	Per site	4	\$0	\$0	\$0	\$360,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	2	\$0	\$0	\$0	\$2,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable (2 mile network comm., rest ARRA funding)	Per mile	5	\$0	\$108,000	\$162,000	\$0	\$0	\$0	\$0	\$0		
SE	IH 43	MM 59 (Milwaukee / Waukesha Cty)	S Jct IH 94	7	Detection	Mainline detector station	Per site	12	\$300,000	\$0	\$0	\$0	\$4,800	\$4,800	\$9,600	\$0		
						ATR station upgrade	Per site	2	\$20,000	\$0	\$0	\$0	\$600	\$600	\$1,200	\$0		
					Surveillance	CCTV camera	Per camera	10	\$400,000	\$0	\$0	\$0	\$10,000	\$13,000	\$23,000	\$0		
					Traffic Flow Management	Ramp gate	Per gate	16	\$304,000	\$0	\$0	\$0	\$0	\$32,000	\$32,000	\$0		
						Ramp meter	Per meter	16	\$800,000	\$0	\$0	\$0	\$16,000	\$22,400	\$38,400	\$0		
					Traffic Signal Systems	Interchange termini upgrade	Per site	3	\$305,000	\$0	\$0	\$0	\$7,800	\$7,800	\$15,600	\$15,250		
					Traveler Information	DMS	Per sign	2	\$346,000	\$0	\$0	\$0	\$19,700	\$19,700	\$39,400	\$0		
					Non-ITS Devices	Crash investigation site	Per site	12	\$0	\$0	\$0	\$1,080,000	\$0	\$0	\$0	\$0		
						Law enforcement pad	Per pad	6	\$0	\$0	\$0	\$6,000	\$0	\$0	\$0	\$0		
					Communications	Fiber optic cable	Per mile	1	\$0	\$54,000	\$0	\$0	\$0	\$0	\$0	\$0		
SW	USH 14	IH 39/90	Henke Rd / Van Allen Rd	3	Detection	None												
					Surveillance	None												
					Communications	None												
SW, SE	USH 14	Henke Rd / Van Allen Rd	IH 43	13	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 36	STH 20	Wind Lake Rd	5	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 36	Wind Lake Rd	CTH H	8	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 36	CTH H	CTH ZZ	4	Detection	None												
					Surveillance	None												
					Communications	None												
SE	STH 36	CTH ZZ	IH 43	2	Detection	None												
					Surveillance	None												
					Communications	None												

\$3,307,000	\$162,000	\$1,620,000	\$1,448,000	\$76,550	\$151,950	\$228,500	\$15,250
Estimated Total Capital Cost	Estimated Device Communication Cost	Estimated Network Communications Cost	Estimated Non- ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)

Table 16: Coulee Country Corridor - Cost Summary Table

Region	Highway	Segment Start (and includes)	Segment End (but does not include)	Segment Length (miles)	Device Type	Assumptions	Unit	Estimated Quantity	Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non-ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)	WisDOT Projects in Corridor Segment	Device Deployment Status
SW	IH 90	Minnesota State Line	MM 5 (STH 16)	5	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
						Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
						System interchange detector station	Per site	2	\$306,000	\$0	\$0	\$0	\$4,900	\$4,900	\$9,800	\$0		
					Surveillance	CCTV camera	Per camera	4	\$160,000	\$0	\$0	\$0	\$4,000	\$5,200	\$9,200	\$0		
					Traffic Flow Management	Ramp gate	Per gate	10	\$190,000	\$0	\$0	\$0	\$0	\$20,000	\$20,000	\$0		
					Traveler Information	Roadside DMS	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
					Communications	Fiber optic line (ARRA funding)	Per mile	5	\$0	\$0	\$270,000	\$0	\$0	\$0	\$0	\$0		
SW	IH 90	MM 5 (STH 16)	MM 15 (STH 162)	10	Detection	Service interchange detector station	Per site	1	\$79,000	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500	\$0		
						ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Traffic Flow Management	Ramp gate	Per gate	7	\$133,000	\$0	\$0	\$0	\$0	\$14,000	\$14,000	\$0		
					Traveler Information	Roadside DMS	Per sign	1	\$83,000	\$0	\$0	\$0	\$4,700	\$4,700	\$9,400	\$0		
					Communications	Fiber optic line (ARRA funding)	Per mile	10	\$0	\$0	\$540,000	\$0	\$0	\$0	\$0	\$0		
SW	IH 90	MM 15 (STH 162)	MM 28 (STH 16)	13	Detection	None												
					Traffic Flow Management	Ramp gate	Per gate	2	\$38,000	\$0	\$0	\$0	\$0	\$4,000	\$4,000	\$0		
					Communications	Fiber optic line (ARRA funding)	Per mile	13	\$0	\$0	\$702,000	\$0	\$0	\$0	\$0	\$0		
SW	IH 90	MM 28 (STH 16)	MM 43 (USH 12)	15	Detection	ATR station upgrade	Per site	1	\$10,000	\$0	\$0	\$0	\$300	\$300	\$600	\$0		
					Traffic Flow Management	Ramp gate	Per gate	4	\$76,000	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0		
					Communications	Fiber optic line (ARRA funding)	Per mile	15	\$0	\$0	\$810,000	\$0	\$0	\$0	\$0	\$0		
SW	IH 90	MM 43 (USH 12)	MM 45 (IH 94)	2	Detection	Mainline detector station	Per site	1	\$25,000	\$0	\$0	\$0	\$400	\$400	\$800	\$0		
					Surveillance	CCTV camera	Per camera	1	\$40,000	\$0	\$0	\$0	\$1,000	\$1,300	\$2,300	\$0		
					Traffic Flow Management	Ramp gate	Per gate	2	\$38,000	\$0	\$0	\$0	\$0	\$4,000	\$4,000	\$0		
					Communications	Fiber optic line (ARRA funding)	Per mile	2	\$0	\$0	\$108,000	\$0	\$0	\$0	\$0	\$0		
SW	STH 16	Minnesota State Line	STH 157		Detection	None												
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$107,800	\$0	\$0	\$0	\$2,760	\$4,290	\$7,050	\$5,390		
					Communications	None												
SW	STH 16	STH 157	West Salem (West Limits)		Detection	None												
					Traffic Signal Systems	Corridor signal upgrade	Per site	1	\$387,000	\$0	\$0	\$0	\$9,800	\$17,450	\$27,250	\$19,350		
SW	STH 16	West Salem (West Limits)	East Jct STH 162		Detection	None												
					Surveillance	None												
					Communications	None												
SW	STH 16	East Jct STH 162	Sparta (West Limits)		Detection	None												
					Surveillance	None												
					Communications	None												
SW	STH 16	Sparta (West Limits)	IH 90		Detection	None												
					Surveillance	None												
					Communications	None												
SW	STH 21	STH 16	CTH M (Tunnel City)		Detection	None												
					Surveillance	None												
					Communications	None												
SW	STH 21	CTH M (Tunnel City)	IH 94		Detection	None												
					Surveillance	None												
					Communications	None												

\$1,909,800	\$0	\$2,430,000	\$0	\$36,760	\$97,740	\$134,500	\$24,740
Estimated Total Capital Cost	Estimated Device Communications Cost	Estimated Network Communications Cost	Estimated Non-ITS Capital Cost	Maintenance Cost (Per Year)	Operation Cost (Per Year)	Total O&M Cost (Per Year)	Replacement Cost (Per Year)