

Project Application for 2008-2011 HIGHWAY SAFETY IMPROVEMENT PROGRAM

DESIGN ID:	TIED PROJECT IDs:
RELATED ID(s): (R/W) (CONST)	

Project Description

1. NAME OF ROAD/INTERSECTION <i>129 Connecting Highway Intersections (Grant #6)</i>		HWY NO. <i>IH 43/94/794, USH 18/41/45, and STH 32/38/57/59/145/181/190</i>
COUNTY <i>Milwaukee</i>	CITY OF <i>Milwaukee</i>	TOWN OF
NAME OF THE MPO THE PROJECT IS REPRESENTED BY <i>SEWRPC</i>		

Is the estimated cost of the project less than \$25,000? Yes No
 If YES, be sure to complete Box 6 in addition to the rest of this form.

2A. SEGMENT Current Average Daily Traffic	Project Length	Miles
Roadway Width	Crash Rate	Shoulder Width

2B. INTERSECTION Roadway Width	Crash Rate <i>Varies - see Attachment A</i>	Entering Vehicle Volume <i>Varies - see Attachment A</i>
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Identification of Hazard

2C. Explain identified hazards such as: Visibility Restrictions, Curves, Hills, Intersection Problems, Bike/Ped Conflicts, Narrow Shoulders, Rutting, Etc.

Existing "Walk/Don't Walk" housings at signalized intersections do not provide the time remaining in the flashing "Don't Walk" phase prior to the start of the yellow change interval. Since pedestrians do not know how much time they have prior to the start of the yellow change interval, conflicts occur with vehicles because pedestrians fail to clear the crossing before the start of the conflicting green phase.

One hundred twenty nine signalized connecting highway intersections in the City of Milwaukee have been identified for improvements. These intersections had 2,256 crashes between 2006 and 2008 resulting in 1,189 injuries, including 62 pedestrians (See Attachment A).

Proposed Improvement

3. In some detail, describe the proposed project and how it will address the identified hazard.

The installation of 936 pedestrian countdown timers with 810 larger 12" combination "Walk/Don't Walk" housings will reduce the conflicts between pedestrians and vehicles to the extent practical and assist pedestrians in crossing safely at 129 connecting highway intersections by providing the time remaining in the flashing "Don't Walk" phase prior to the start of the yellow change interval.

Project Cost

4. Estimate project costs in today's dollars)	FY 2009	FY 2010	FY 2011	FY 2012	HSIP Funds Requested
Preliminary Engineering-Design*: include state review (-00)			\$85,000		\$85,000
Construction Inspection (-71)			\$15,000		\$15,000
Traffic Signals (-90)			\$869,900		\$869,900
** TOTAL			\$969,900		\$969,900

* Ineligible cost for Small Local HSIP Project (less than \$25,000).
 ** The project sponsors will be responsible for any project costs in excess of the approved project cost.

Project Checklist

Complete this box only for projects less than \$25,000:

5. Will project affect or use land from a property on the National Register of Historic Places?

Yes No

Will project require the use of any publicly-owned land from a public park, recreation area, or wildlife and waterfowl refuge?

Yes No

Is your municipality adequately staffed and equipped to do the work?

Yes No

Does your municipality have prior commitments that would impair your performance of this work?

Yes No

Contact Information and Signature

6. PRIMARY CONTACT PERSON or AGENCY		
NAME <i>Jeffrey S. Polenske, P.E.</i>	TITLE <i>City Engineer</i>	
ADDRESS <i>841 North Broadway, Room 701</i>	TELEPHONE <i>(414) 286-2400</i>	
MUNICIPALITY <i>City of Milwaukee</i>	STATE <i>WI</i>	ZIP <i>53202</i>
7. SIGNATURE OF LOCAL APPROVING AUTHORITY		DATE

WisDOT Information – Shaded areas to be completed by WisDOT staff only.

A. Environmental Documentation Type		B. Hazard Elimination Type	
C. PMSID	D. Functional Class	E. PEF	

REGION APPROVAL Project Supervisor	Date
Planning Supervisor	Date

C.O. Concurrence	Approved _____ Disapproved _____
Approving Authority	Date

REVISED 12/12/06

Attachment A: Countdown HSIP Grant #6 (Connecting Highway Locations)

No.	Street 1	Street 2	2006-08			ADT	Crashes/ MEV	Est. Cost
			Injuries	Ped- estrian	Total			
1	Appleton	60th	7	0	18	37,000	0.48	\$ 8,900
2	Appleton	76th	13	0	34	44,200	0.77	\$ 8,900
3	Appleton	Burleigh	8	0	22	39,300	0.56	\$ 8,900
4	Appleton	Capitol	24	2	45	56,100	0.80	\$ 8,900
5	Appleton	Center	12	0	24	35,500	0.67	\$ 8,900
6	Appleton	Lisbon	5	0	5	32,500	0.15	\$ 6,700
7	Appleton	Nash/Vienna	1	0	5	28,700	0.17	\$ 8,900
8	Bay/Becher	Kinnickinnic	1	0	10	21,500	0.46	\$ 8,900
9	Becher	4th	2	0	23	24,300	0.94	\$ 11,100
10	Becher	5th	6	0	16	16,300	0.98	\$ 11,100
11	Becher	6th	4	0	16	23,100	0.69	\$ 4,400
12	Bluemound	52nd	1	0	6	11,900	0.50	\$ 4,400
13	Bluemound	92nd	1	0	8	24,300	0.33	\$ 8,900
14	Bluemound	95th	4	0	15	25,400	0.59	\$ 8,900
15	Bluemound	Hawley	7	0	17	27,900	0.61	\$ 4,400
16	Bolivar	Howell	5	1	5	20,400	0.24	\$ 8,900
17	Burleigh	20th	33	1	33	18,600	1.77	\$ 8,900
18	Burleigh	Fond du Lac/35th	36	8	64	48,200	1.32	\$ 13,300
19	Capitol	27th	16	4	34	53,800	0.63	\$ 8,900
20	Capitol	31st	8	1	19	54,600	0.35	\$ 6,700
21	Capitol	34th	10	0	15	50,800	0.29	\$ 2,200
22	Capitol	51st	15	2	50	42,300	1.18	\$ 4,400
23	Capitol	56th	2	0	16	34,400	0.46	\$ 4,400
24	Capitol	60th	14	0	31	56,200	0.55	\$ 4,400
25	Capitol	66th	0	0	4	34,400	0.12	\$ 6,700
26	Capitol	68th	14	1	19	36,700	0.52	\$ 8,900
27	Capitol	84th	5	0	8	31,100	0.26	\$ 8,900
28	Capitol	92nd	12	1	19	47,400	0.40	\$ 8,900
29	Capitol	Fond du Lac	25	1	42	63,800	0.66	\$ 4,400
30	Capitol	Lisbon/100th	7	1	18	26,600	0.67	\$ 13,300
31	Capitol	Roosevelt/35th	60	5	69	58,100	1.18	\$ 11,100
32	Capitol	Sherman	23	3	41	53,400	0.76	\$ 4,400
33	Center	20th	10	2	21	22,400	0.93	\$ 8,900
34	Center	Fond du Lac	22	0	32	37,000	0.86	\$ 8,900
35	Chase	1st	0	0	1	14,400	0.07	\$ 4,400
36	Chase	Lincoln/6th	15	1	24	27,800	0.86	\$ 15,500
37	Chase	Oklahoma	13	0	32	34,200	0.93	\$ 8,900
38	Clement	Kinnickinnic	4	0	13	14,100	0.92	\$ 8,900
39	Cleveland	27th	21	1	22	35,700	0.61	\$ 4,400
40	Congress	76th	14	1	16	31,800	0.50	\$ 8,900
41	Congress	Fond du Lac	18	0	13	35,600	0.36	\$ 8,900
42	Dana	84th	0	0	2	25,700	0.08	\$ 6,700
43	Dover	Kinnickinnic	0	0	1	14,000	0.07	\$ 6,700
44	Edgerton	Howell	7	0	15	31,000	0.48	\$ 2,200
45	Ellen	Kinnickinnic	2	0	5	11,900	0.42	\$ 8,900
46	Ellen	Oklahoma	7	1	7	21,200	0.33	\$ 4,400
47	Ely	Fond du Lac	3	1	10	31,600	0.31	\$ 4,400
48	Evergreen	Layton Blvd.	2	0	6	23,200	0.26	\$ 8,900
49	Fiebrantz	Green Bay	2	0	12	31,500	0.38	\$ 2,200
50	Fond du Lac	17th	0	0	3	23,900	0.12	\$ 4,400
51	Fond du Lac	20th	6	0	9	32,100	0.28	\$ 4,400

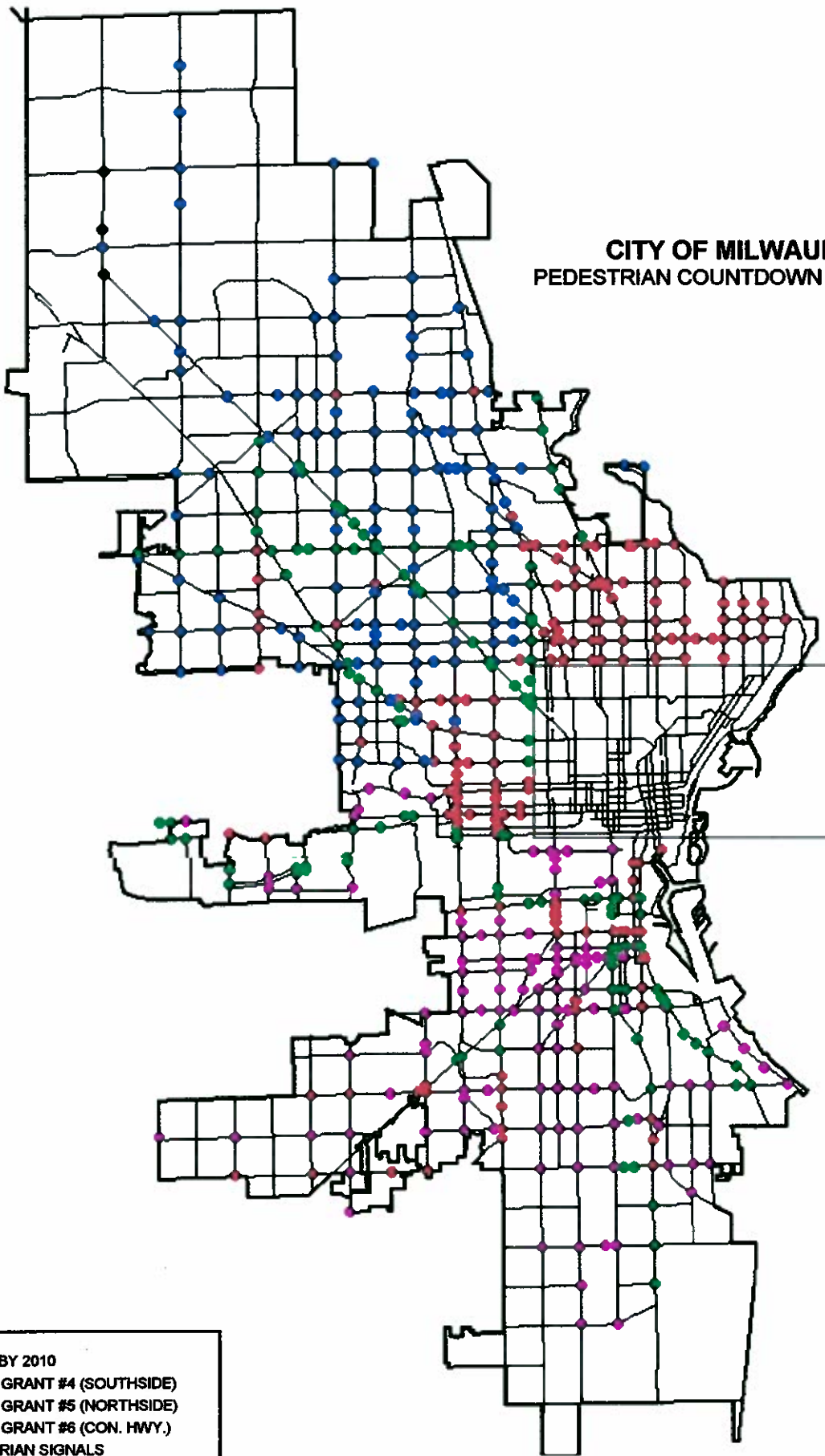
Attachment A: Countdown HSIP Grant #6 (Connecting Highway Locations)

No.	Street 1	Street 2	2006-08			ADT	Crashes/ MEV	Est. Cost
			Injuries	Ped- estrian	Total			
52	Fond du Lac	27th	21	1	29	31,300	0.92	\$ 8,900
53	Fond du Lac	51st	7	0	16	42,300	0.38	\$ 8,900
54	Fond du Lac	60th	28	2	37	50,800	0.72	\$ 13,300
55	Fond du Lac	68th	32	0	33	32,900	1.00	\$ 8,900
56	Fond du Lac	Hampton	35	0	41	48,500	0.84	\$ 13,300
57	Fond du Lac	I-43 NB Ramps	0	0	3	26,600	0.11	\$ 1,100
58	Fond du Lac	I-43 SB Ramps	0	0	3	27,400	0.11	\$ 1,100
59	Fond du Lac	Locust	17	0	40	31,800	1.25	\$ 8,900
60	Fond du Lac	Maxwell	22	0	35	36,700	0.95	\$ 8,900
61	Fond du Lac	North	5	0	16	34,500	0.46	\$ 8,900
62	Fond du Lac	Oak/23rd	3	0	11	16,900	0.65	\$ 8,900
63	Fond du Lac	Roosevelt	10	1	17	46,700	0.36	\$ 8,900
64	Fond du Lac	Sherman	19	1	39	63,000	0.62	\$ 13,300
65	Fond du Lac	Townsend	4	0	12	32,600	0.37	\$ 8,900
66	Fond du Lac	Walnut	12	0	23	29,400	0.78	\$ 8,900
67	Forest Home	27th	4	2	27	41,000	0.66	\$ 8,900
68	Forest Home	35th	6	0	16	31,200	0.51	\$ 8,900
69	Forest Home	KK River Pkwy	7	0	10	20,000	0.50	\$ 3,300
70	Glendale	Green Bay	6	1	10	24,000	0.41	\$ 8,900
71	Grantosa	76th	11	0	13	28,600	0.45	\$ 8,900
72	Green Bay	Hampton	15	0	16	42,800	0.37	\$ 8,900
73	Green Bay	Silver Spring Ramp	2	0	8	20,300	0.39	\$ 6,700
74	Green Bay	Villard	3	0	7	20,700	0.34	\$ 6,700
75	Hampton	76th	17	0	33	44,800	0.73	\$ 8,900
76	Hawley	I-94 Ramps	4	0	8	17,600	0.45	\$ 2,200
77	Holt	4th	3	0	9	24,500	0.37	\$ 4,400
78	Hopkins	20th	13	3	17	18,300	0.92	\$ 8,900
79	Howard	3rd	0	0	5	35,600	0.14	\$ 6,700
80	Howard	5th	5	0	7	26,400	0.26	\$ 6,700
81	Howell	Kinnickinnic	1	0	2	22,100	0.09	\$ 6,700
82	Jackson	I-794 Ramp	4	0	6	13,600	0.44	\$ 2,200
83	Kearney	68th	4	0	3	10,500	0.28	\$ 6,700
84	Kearney	70th	2	0	8	10,000	0.80	\$ 6,700
85	Kearney	O'Connor/84th	20	0	30	27,700	1.08	\$ 13,300
86	Keefe	20th	0	0	5	11,900	0.42	\$ 8,900
87	Kinnickinnic	Lincoln	5	0	11	18,000	0.61	\$ 11,100
88	Kinnickinnic	Logan/Russell	9	0	15	28,000	0.53	\$ 11,100
89	Kinnickinnic	Oklahoma	9	2	8	23,600	0.34	\$ 8,900
90	Kinnickinnic	Ward	0	0	3	15,900	0.19	\$ 8,900
91	Lapham	1st	2	0	5	22,500	0.22	\$ 6,700
92	Lapham	4th	9	0	20	18,600	1.07	\$ 6,700
93	Lapham	5th	11	0	19	21,800	0.87	\$ 6,700
94	Lapham	6th	17	0	24	23,700	1.01	\$ 8,900
95	Layton Blvd.	Pierce	10	0	19	29,500	0.64	\$ 8,900
96	Lisbon	46th	7	0	17	22,600	0.75	\$ 6,700
97	Lisbon	51st	16	2	24	43,800	0.55	\$ 8,900
98	Lisbon	55th	12	0	26	39,700	0.65	\$ 8,900
99	Lloyd	46th	4	0	13	19,400	0.67	\$ 6,700
100	Lloyd	47th	0	0	4	17,500	0.23	\$ 6,700
101	Locust	20th	11	1	21	17,900	1.17	\$ 8,900
102	Maple	6th	5	0	11	15,000	0.73	\$ 4,400

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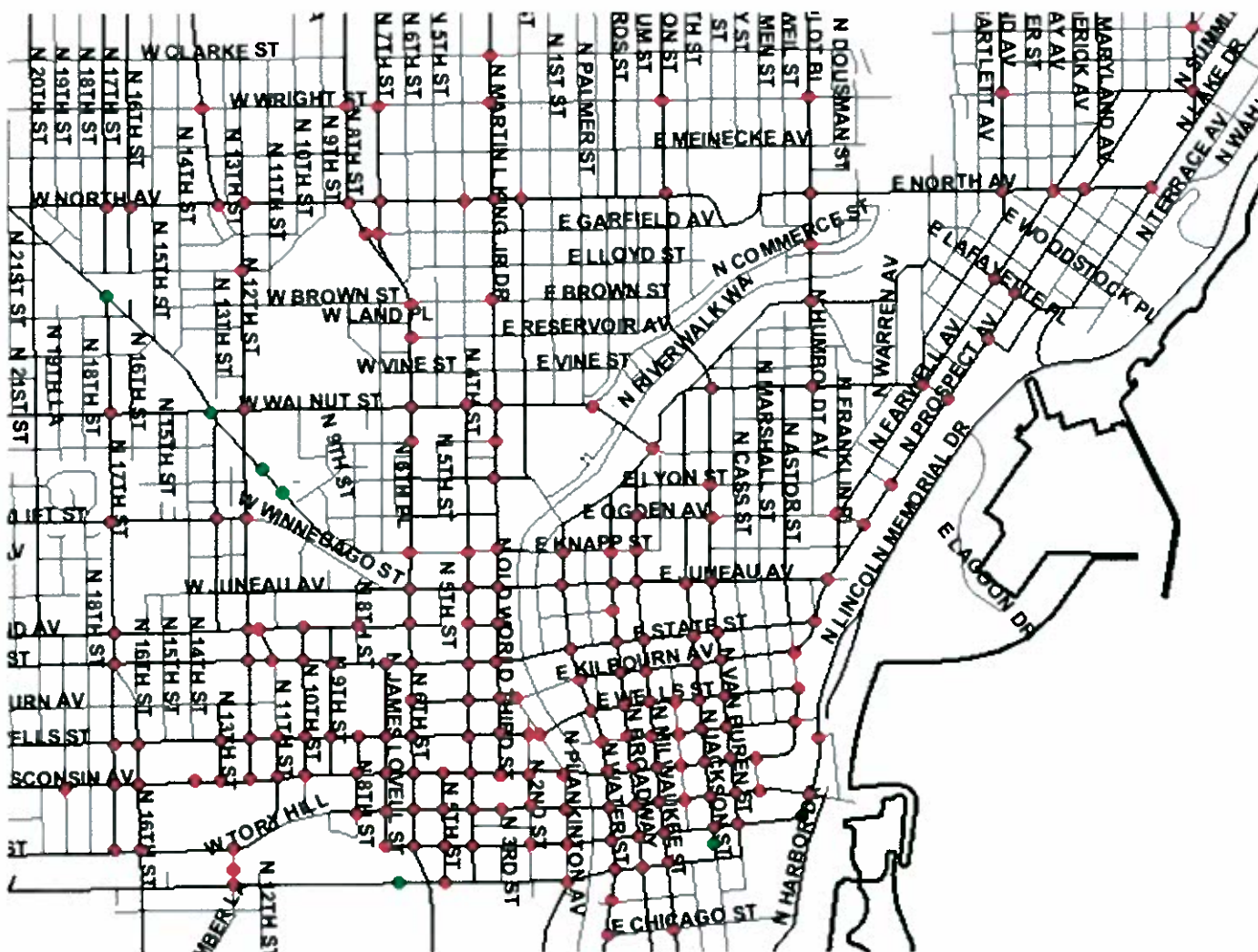
No.	Street 1	Street 2	2006-08			ADT	Crashes/ MEV	Est. Cost
			Injuries	Ped- estrian	Total			
103	Mineral	6th	9	1	23	20,000	1.14	\$ 8,900
104	Mitchell	6th	9	0	20	20,300	0.98	\$ 8,900
105	National	1st	13	2	37	26,000	1.42	\$ 8,900
106	National	5th	2	0	18	16,300	1.10	\$ 8,900
107	National	6th	15	1	49	26,500	1.84	\$ 8,900
108	National	9th	4	1	25	23,200	1.07	\$ 8,900
109	National	11th	6	0	17	25,200	0.67	\$ 4,400
110	National	19th	7	0	13	24,600	0.53	\$ 8,900
111	National	21st	14	2	19	23,900	0.79	\$ 8,900
112	North	20th	32	0	40	22,400	1.78	\$ 4,400
113	O'Connor	68th	1	0	8	18,000	0.44	\$ 4,400
114	O'Connor	70th	1	0	8	24,800	0.32	\$ 6,700
115	Park Hill (north)	35th	15	0	21	23,500	0.89	\$ 6,700
116	Park Hill (south)	35th	11	0	15	29,000	0.51	\$ 4,400
117	Saint Paul	25th	7	0	19	21,200	0.89	\$ 8,900
118	Saint Paul	26th	9	0	27	20,200	1.33	\$ 1,100
119	Saint Paul	I-794 Ramp	0	0	0	12,000	0.00	\$ 1,100
120	Teutonia	20th	2	0	10	20,600	0.48	\$ 4,400
121	Vliet	20th	8	0	8	13,400	0.59	\$ 8,900
122	Walnut	20th	6	0	10	19,900	0.50	\$ 8,900
123	Washington	1st	3	1	7	20,200	0.34	\$ 8,900
124	Washington	6th	8	0	9	17,200	0.52	\$ 8,900
125	Wisconsin	45th	0	0	7	21,900	0.32	\$ 8,900
126	Wisconsin	46th	1	0	7	15,600	0.45	\$ 6,700
127	Wisconsin	95th	8	0	19	17,000	1.11	\$ 2,200
128	Wisconsin	97th	14	0	20	15,400	1.29	\$ 4,400
129	Wright	20th	10	0	8	10,500	0.76	\$ 8,900
TOTALS			1211	62	2,294	3,647,200	0.63	\$ 969,900

**CITY OF MILWAUKEE
PEDESTRIAN COUNTDOWN TIMER MAP**



- INSTALLED BY 2010
- PROPOSED GRANT #4 (SOUTHSIDE)
- PROPOSED GRANT #5 (NORTHSIDE)
- PROPOSED GRANT #6 (CON. HWY.)
- NO PEDESTRIAN SIGNALS

CITY OF MILWAUKEE
PEDESTRIAN COUNTDOWN TIMER MAP
(DOWNTOWN DETAIL)



- INSTALLED BY 2010
- PROPOSED GRANT #4 (SOUTH SIDE)
- PROPOSED GRANT #5 (NORTH SIDE)
- PROPOSED GRANT #6 (CON. HWY.)
- NO PEDESTRIAN SIGNALS