

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>117 Local Street Intersections (Grant #4)</i>		HWY NO.
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 seventeen signalized local street intersections in the City of Milwaukee have been identified for improvements. These intersections had 1,172 crashes between 2006 and 2008 resulting in 609 injuries, including 39 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 860 pedestrian countdown timers with 774 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 117 local street 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)			\$808,400		\$808,400
** TOTAL			\$908,400		\$908,400

* 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 #4 (Local Street Locations - Southside)

No.	Street 1	Street 2	2006-08			ADT	Crashes/ MEV	Est. Cost
			Injuries	Ped- estrian	Total			
1	Virginia	6th	5	0	19	19,700	0.96	\$ 8,900
2	Virginia	749 West	0	0	0	3,000	0.00	\$ 2,200
3	Cesar Chavez	Pierce/16th	7	0	21	20,400	1.02	\$ 8,900
4	Layton Blvd.	Scott	2	0	12	28,700	0.42	\$ 8,900
5	Scott	35th	1	0	10	20,700	0.48	\$ 8,900
6	Greenfield	21st	2	1	7	16,300	0.43	\$ 8,900
7	Greenfield	Layton Blvd.	12	1	28	40,300	0.69	\$ 8,900
8	Greenfield	31st	0	0	6	15,800	0.38	\$ 8,900
9	Greenfield	35th	8	1	27	33,200	0.81	\$ 8,900
10	Lapham	2nd	13	0	25	12,000	2.07	\$ 8,900
11	Lapham	11th	8	2	8	20,400	0.39	\$ 4,400
12	Cesar Chavez	Lapham	1	0	9	22,300	0.40	\$ 6,700
13	Lapham	Layton Blvd.	1	0	6	28,600	0.21	\$ 8,900
14	Mitchell	4th	16	0	12	5,900	2.02	\$ 6,700
15	Mitchell	5th	3	0	7	7,300	0.95	\$ 8,900
16	Mitchell	7th	7	1	11	12,400	0.88	\$ 8,900
17	Mitchell	9th	2	0	4	12,600	0.32	\$ 8,900
18	Mitchell	11th	8	1	12	19,000	0.63	\$ 4,400
19	Mitchell	13th	3	0	9	17,500	0.51	\$ 8,900
20	Forest Home	13th	6	0	10	14,400	0.69	\$ 8,900
21	Cesar Chavez	Mitchell/16th	15	3	27	27,900	0.96	\$ 8,900
22	Mitchell	Muskego	4	1	8	18,900	0.42	\$ 4,400
23	Mitchell	21st	0	0	2	9,600	0.21	\$ 8,900
24	Layton Blvd.	Mitchell	4	1	18	32,400	0.55	\$ 8,900
25	Mitchell	35th	10	0	17	24,300	0.70	\$ 8,900
26	Maple	11th	2	0	6	8,400	0.71	\$ 8,900
27	Burnham	16th	11	0	19	20,500	0.92	\$ 8,900
28	Forest Home	16th	6	0	10	14,600	0.68	\$ 8,900
29	Burnham	Muskego	1	0	8	16,900	0.47	\$ 8,900
30	Burnham	Layton Blvd.	6	3	24	34,700	0.69	\$ 8,900
31	Burnham	35th	13	2	32	27,900	1.14	\$ 8,900
32	Becher	Windlake	14	1	15	14,400	1.04	\$ 8,900
33	Becher	16th	12	0	10	14,300	0.70	\$ 8,900
34	Becher	Forest Home/20th	6	0	7	17,300	0.40	\$ 17,800
35	Becher	Muskego	8	0	8	12,800	0.62	\$ 8,900
36	Becher	Layton Blvd.	19	1	12	29,900	0.40	\$ 8,900
37	Becher	35th	2	0	6	22,300	0.27	\$ 8,900
38	Howell	Lincoln	5	1	9	12,600	0.71	\$ 8,900
39	Lincoln	4th	9	0	11	9,300	1.18	\$ 6,700
40	Lincoln	5th	4	0	3	10,000	0.30	\$ 6,700
41	Lincoln	9th Pl.	0	0	4	14,300	0.28	\$ 6,700
42	Lincoln	Windlake	11	1	17	23,800	0.71	\$ 8,900
43	Lincoln	16th	13	3	35	27,100	1.29	\$ 8,900
44	Lincoln	20th	19	0	22	23,000	0.95	\$ 8,900
45	Forest Home	Lincoln	6	0	14	33,800	0.41	\$ 4,400
46	Layton Blvd.	Lincoln/27th	23	2	45	43,000	1.04	\$ 8,900
47	Lincoln	31st	10	0	9	19,800	0.45	\$ 8,900
48	Lincoln	35th	7	1	18	38,800	0.46	\$ 8,900
49	Lincoln	43rd	34	0	62	44,900	1.37	\$ 8,900
50	Windlake	16th	3	2	3	14,700	0.20	\$ 8,900
51	KK River Pkwy	43rd	4	0	8	27,100	0.29	\$ 4,400

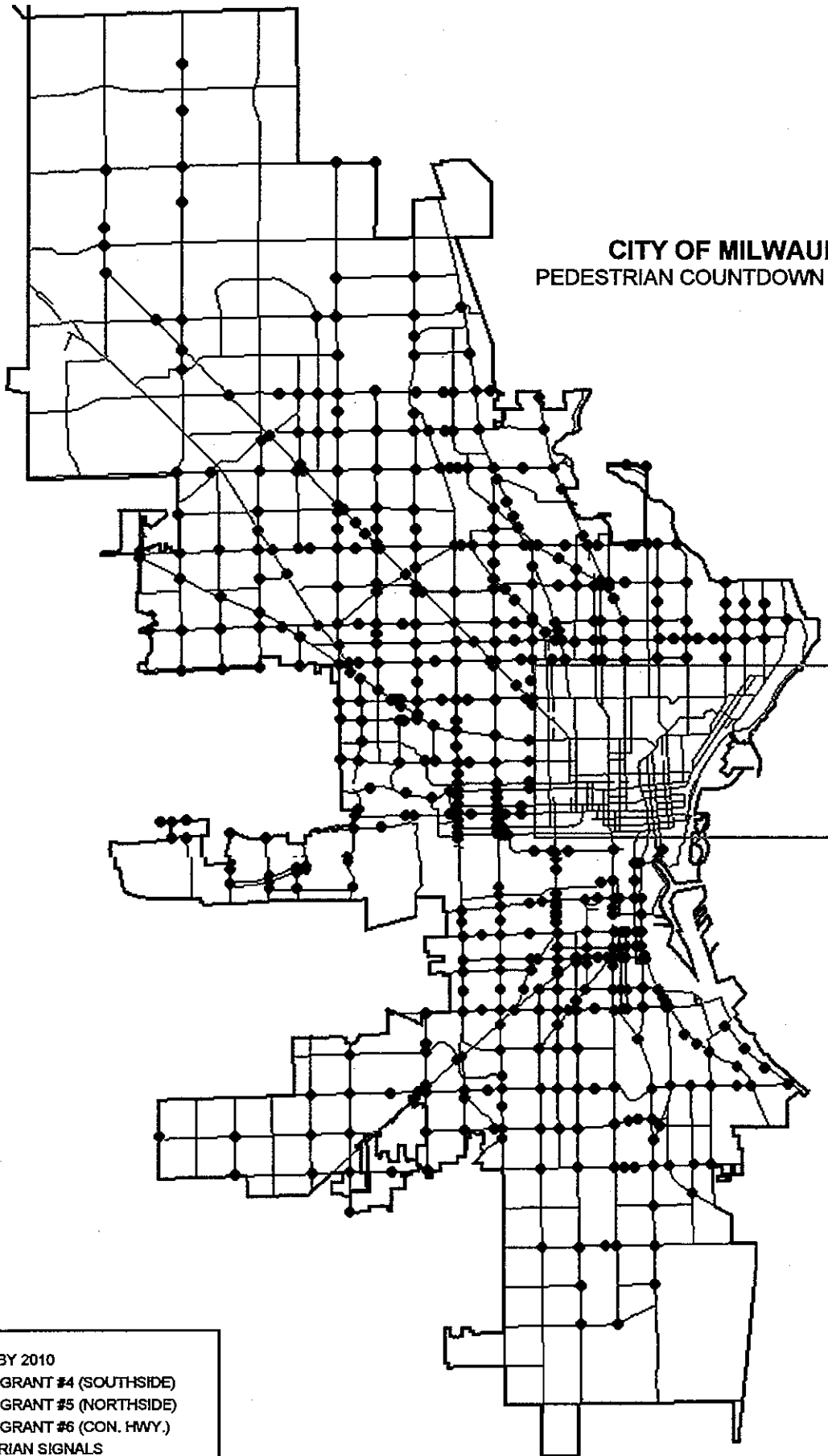
Attachment A: Countdown HSIP Grant #4 (Local Street Locations - Southside)

No.	Street 1	Street 2	2006-08			ADT	Crashes/ MEV	Est. Cost
			Injuries	Ped- estrian	Total			
52	Cleveland	16th	4	0	10	13,700	0.73	\$ 8,900
53	Cleveland	20th	5	0	7	15,400	0.45	\$ 4,400
54	Cleveland	43rd	3	0	13	27,200	0.48	\$ 8,900
55	Cleveland	60th	3	0	9	22,400	0.40	\$ 8,900
56	Russell	Superior	0	0	1	9,500	0.10	\$ 8,900
57	Nock	Superior	0	0	1	5,800	0.17	\$ 8,900
58	Rusk	Superior	0	0	0	5,300	0.00	\$ 6,700
59	Oklahoma	Superior	0	0	1	7,200	0.14	\$ 6,700
60	Clement	Oklahoma	18	2	16	25,900	0.61	\$ 8,900
61	Oklahoma	Pine	3	0	8	23,100	0.34	\$ 8,900
62	Howell	Oklahoma	9	0	19	30,500	0.62	\$ 8,900
63	Oklahoma	6th	8	1	19	29,200	0.65	\$ 8,900
64	Oklahoma	9th Pl.	10	0	18	21,200	0.84	\$ 8,900
65	Oklahoma	13th	5	0	18	31,600	0.57	\$ 8,900
66	Oklahoma	16th	9	0	18	28,600	0.63	\$ 8,900
67	Oklahoma	20th	15	1	30	31,200	0.96	\$ 8,900
68	Oklahoma	30th	1	0	6	23,500	0.25	\$ 6,700
69	Oklahoma	35th	23	2	31	35,000	0.88	\$ 8,900
70	Oklahoma	51st	1	1	8	23,500	0.34	\$ 8,900
71	Lakefield	35th	5	1	6	14,400	0.41	\$ 4,400
72	Howell	Morgan	2	0	7	10,900	0.64	\$ 8,900
73	Holt	2nd	3	0	10	18,800	0.53	\$ 6,700
74	Holt	Morgan/6th	15	0	23	28,900	0.79	\$ 8,900
75	Morgan	13th	15	1	29	26,900	1.07	\$ 8,900
76	Morgan	16th	7	0	8	20,600	0.39	\$ 8,900
77	Morgan	20th	10	0	28	31,100	0.90	\$ 8,900
78	Lakefield	Morgan	1	0	10	12,900	0.77	\$ 6,700
79	Morgan	35th	10	0	15	15,900	0.94	\$ 4,400
80	Morgan	43rd	7	0	24	19,300	1.24	\$ 8,900
81	Morgan	60th	7	0	8	21,600	0.37	\$ 8,900
82	Morgan	68th	5	0	6	11,800	0.51	\$ 8,900
83	Morgan	84th	5	0	4	12,800	0.31	\$ 8,900
84	Beloit	Morgan/100th	13	0	30	20,100	1.49	\$ 8,900
85	Clement	Howard	2	0	12	18,800	0.64	\$ 4,400
86	Howard	Pine	3	0	11	17,700	0.62	\$ 8,900
87	Howard	Whitnall	15	0	19	26,100	0.72	\$ 8,900
88	Howard	6th	12	0	21	28,900	0.72	\$ 8,900
89	Howard	13th	2	0	13	28,000	0.46	\$ 8,900
90	Howard	20th	9	1	13	26,300	0.49	\$ 8,900
91	Howard	60th	8	0	16	22,800	0.70	\$ 8,900
92	Pine	Whitnall	1	0	4	12,700	0.31	\$ 8,900
93	Cold Spring	60th	12	0	25	23,700	1.05	\$ 8,900
94	Layton	6th	5	2	15	41,900	0.36	\$ 8,900
95	Layton	8th (800 West)	0	0	2	31,500	0.06	\$ 4,400
96	Layton	13th	20	0	37	47,600	0.77	\$ 8,900
97	Layton	20th	18	6	25	42,000	0.59	\$ 4,400
98	Edgerton	13th	3	0	9	18,800	0.48	\$ 2,200
99	Grange	6th	0	0	0	10,900	0.00	\$ 4,400
100	Grange	13th	8	0	15	22,000	0.68	\$ 8,900
101	Hawley	Main	3	0	9	24,200	0.37	\$ 8,900
102	Main	70th	5	1	10	20,400	0.49	\$ 8,900

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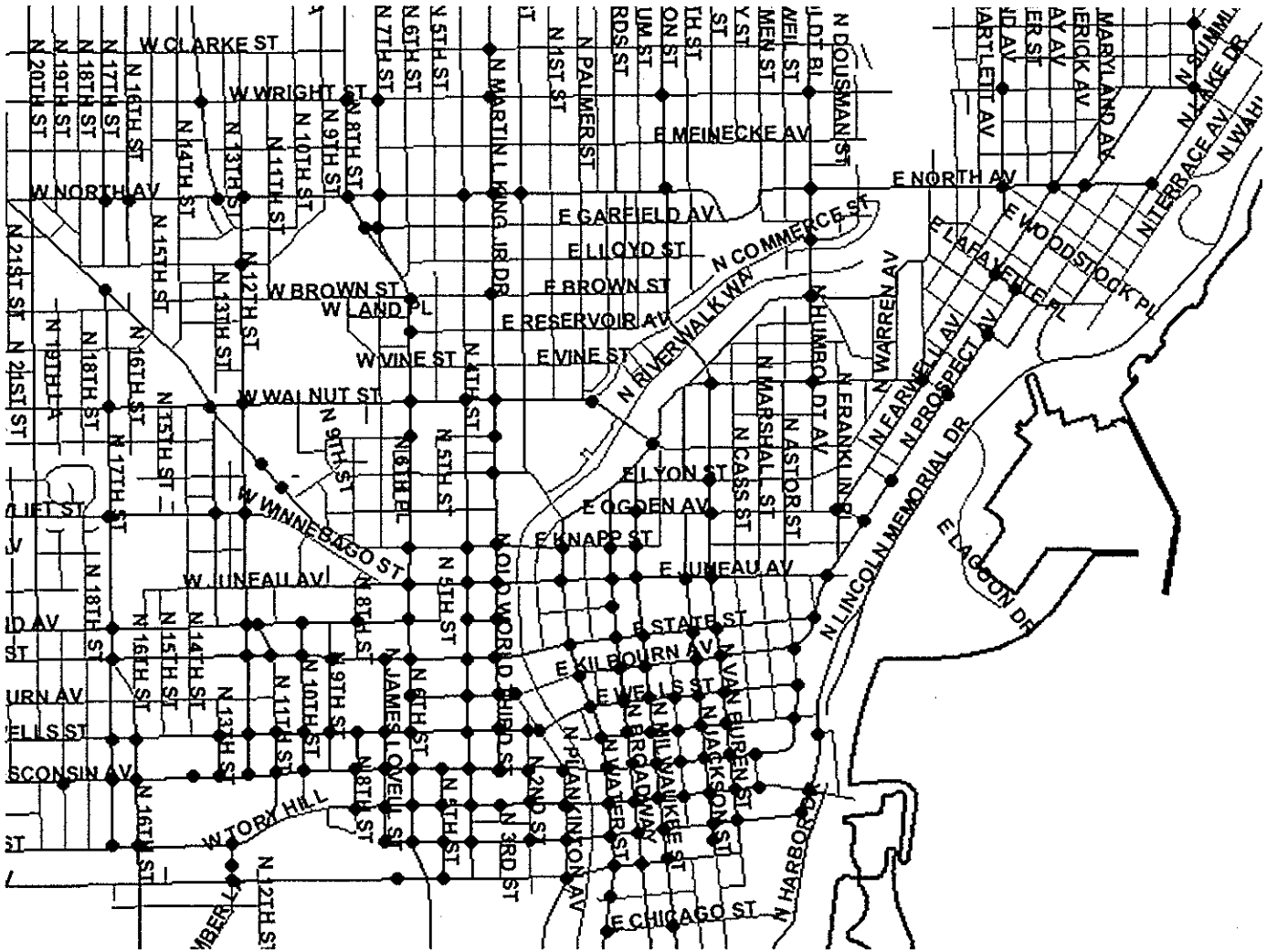
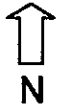
No.	Street 1	Street 2	2006-08			ADT	Crashes/ MEV	Est. Cost
			Injuries	Ped- estrian	Total			
103	Main	76th	2	0	11	13,400	0.82	\$ 6,700
104	Kearney	76th	3	0	3	13,700	0.22	\$ 6,700
105	O'Connor	76th	2	0	2	14,400	0.14	\$ 6,700
106	Canal	6th	9	0	15	19,100	0.78	\$ 8,900
107	Canal	Emmber	2	1	6	21,300	0.28	\$ 4,400
108	Canal	16th/Potawatomi	1	0	6	15,200	0.39	\$ 3,300
109	Canal	20th/Potawatomi	0	0	0	15,200	0.00	\$ 6,700
110	Potawatomi Ramp	16th	0	0	0	21,400	0.00	\$ 1,100
111	Emmber Ramp	16th	1	0	2	14,600	0.14	\$ 2,200
112	Hawley	Wisconsin	8	0	11	28,100	0.39	\$ 8,900
113	Wisconsin	92nd	2	0	5	17,000	0.29	\$ 1,100
114	Hawley	Wells	10	2	15	16,600	0.90	\$ 8,900
115	State	40th/41st	1	0	2	10,200	0.20	\$ 11,100
116	State	46th	0	0	1	12,300	0.08	\$ 2,200
117	State	54th	1	0	2	7,000	0.28	\$ 2,200
TOTALS			646	39	1,243	1,858,700	0.67	\$ 908,400

**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 (SOUTHSIDE)
- PROPOSED GRANT #5 (NORTHSIDE)
- PROPOSED GRANT #6 (CON. HWY.)
- NO PEDESTRIAN SIGNALS