

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>119 Local Street Intersections (Grant #5)</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 nineteen signalized local street intersections in the City of Milwaukee have been identified for improvements. These intersections had 1,922 crashes between 2006 and 2008 resulting in 1,165 injuries, including 54 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 932 pedestrian countdown timers with 796 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 119 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)			\$860,200		\$860,200
** TOTAL			\$960,200		\$960,200

* 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 #5 (Local Street Locations - Northside)

No.	Street 1	Street 2	2006-08			ADT	Crashes/ MEV	Est. Cost
			Injuries	Ped- estrian	Total			
1	Highland	Vliet	8	2	15	21,700	0.69	\$ 8,900
2	Vliet	47th	9	0	9	11,200	0.80	\$ 6,700
3	Hawley	Vliet	6	1	14	23,800	0.59	\$ 4,400
4	Vliet	60th	1	0	5	18,300	0.27	\$ 8,900
5	Brown	35th	18	1	20	22,300	0.89	\$ 8,900
6	Lloyd	Sherman	1	1	4	20,700	0.19	\$ 4,400
7	Lloyd	55th	2	0	5	16,600	0.30	\$ 8,900
8	Lloyd	60th	2	0	6	13,900	0.43	\$ 8,900
9	North	49th	2	0	9	13,700	0.65	\$ 8,900
10	North	55th	8	0	12	21,900	0.55	\$ 8,900
11	North	60th	15	0	25	21,700	1.15	\$ 8,900
12	Sherman	Wright	3	1	8	28,100	0.28	\$ 8,900
13	Center	27th	32	0	57	30,100	1.88	\$ 8,900
14	Center	35th	39	3	69	29,500	2.33	\$ 8,900
15	Center	39th	2	0	6	16,200	0.37	\$ 4,400
16	Center	Sherman	37	0	54	41,800	1.29	\$ 8,900
17	Center	51st	3	0	9	23,600	0.38	\$ 8,900
18	Center	55th	10	0	17	18,800	0.90	\$ 8,900
19	Center	Lisbon/60th	16	0	23	30,700	0.75	\$ 15,500
20	Center	68th	1	0	1	10,300	0.10	\$ 8,900
21	Center	84th	0	0	0	10,000	0.00	\$ 8,900
22	Center	92nd	0	0	3	20,000	0.15	\$ 8,900
23	Locust	24th	5	2	10	13,900	0.72	\$ 8,900
24	Locust	27th	27	1	27	26,300	1.02	\$ 8,900
25	Locust	35th	17	2	26	23,100	1.12	\$ 8,900
26	Locust	Sherman	18	2	34	41,100	0.82	\$ 8,900
27	Locust	51st	7	1	9	14,800	0.61	\$ 8,900
28	Chambers	51st	5	0	6	13,900	0.43	\$ 8,900
29	Burleigh	24th	8	1	12	11,700	1.02	\$ 8,900
30	Burleigh	27th	19	4	43	27,700	1.54	\$ 8,900
31	Burleigh	Sherman	27	3	44	47,300	0.93	\$ 8,900
32	Burleigh	46th	1	0	7	15,500	0.45	\$ 8,900
33	Burleigh	51st	31	1	43	24,700	1.73	\$ 8,900
34	Burleigh	55th	5	0	6	17,500	0.34	\$ 8,900
35	Burleigh	Lisbon	6	0	10	28,800	0.35	\$ 13,300
36	Burleigh	84th	1	0	4	20,100	0.20	\$ 8,900
37	Burleigh	92nd	8	0	18	30,400	0.59	\$ 8,900
38	Burleigh	Meno. River Pkwy.	1	0	5	25,200	0.20	\$ 6,700
39	Hopkins	24th	3	0	5	10,500	0.47	\$ 8,900
40	Hopkins	Townsend/24th Pl.	12	0	11	13,600	0.80	\$ 8,900
41	Hopkins	27th	11	0	22	24,500	0.89	\$ 8,900
42	Townsend	27th	3	1	17	20,900	0.81	\$ 8,900
43	Townsend	35th	9	1	20	19,800	1.01	\$ 8,900
44	Sherman	Townsend	6	1	14	32,600	0.43	\$ 6,700
45	Roosevelt	51st	2	0	8	19,700	0.40	\$ 8,900
46	Lisbon	68th	0	0	3	16,300	0.18	\$ 8,900
47	Lisbon	84th	2	0	8	18,900	0.42	\$ 8,900
48	Lisbon	92nd	2	1	10	28,400	0.35	\$ 8,900
49	Keefe	60th	5	0	18	28,400	0.63	\$ 8,900
50	Lisbon	100th	2	0	7	15,300	0.46	\$ 8,900

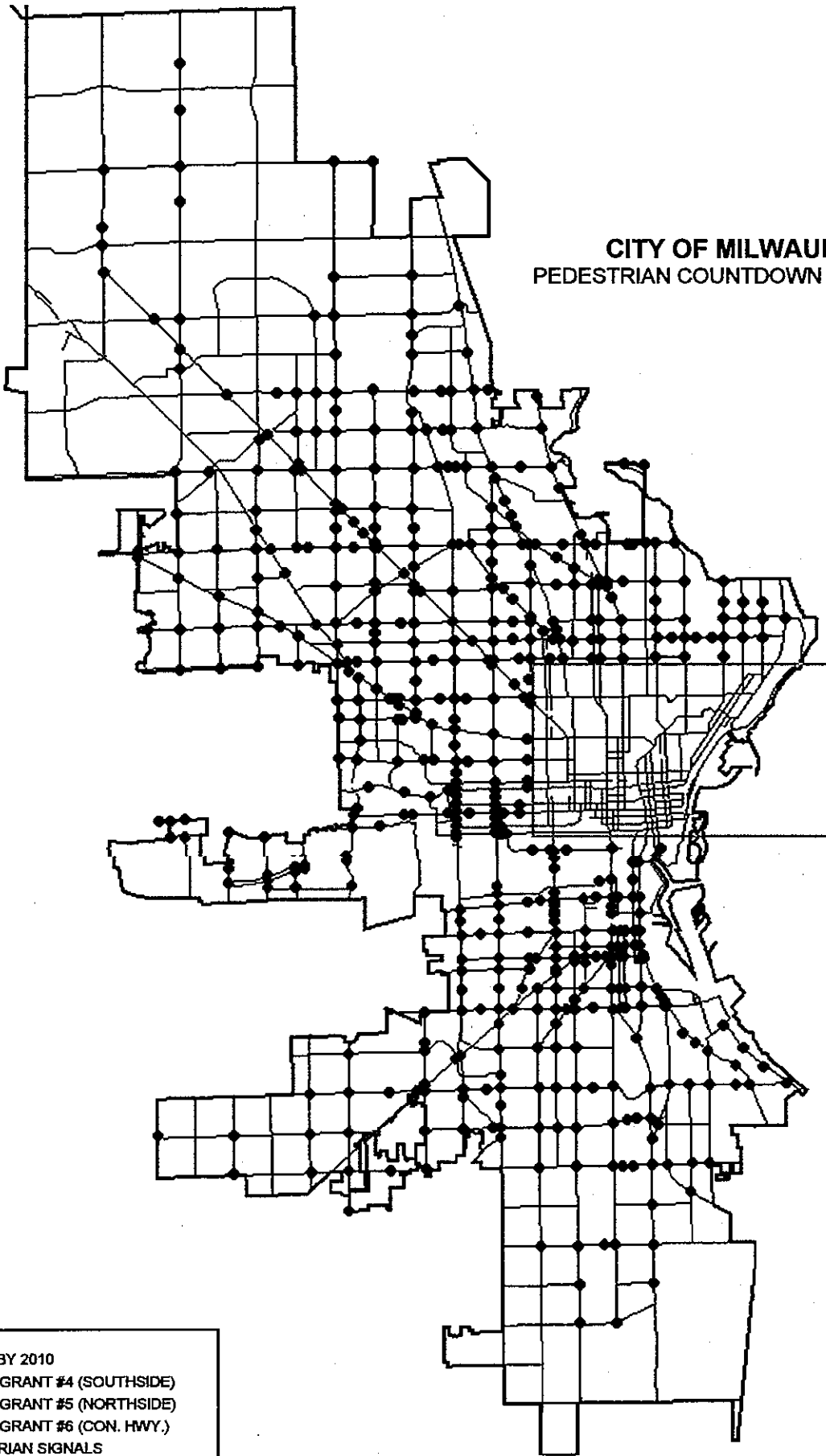
Attachment A: Countdown HSIP Grant #5 (Local Street Locations - Northside)

No.	Street 1	Street 2	2006-08			ADT	Crashes/ MEV	Est. Cost
			Injuries	Ped- estrian	Total			
51	Vienna	27th	4	0	8	15,600	0.51	\$ 8,900
52	Roosevelt	Sherman	4	0	11	35,600	0.31	\$ 8,900
53	Atkinson	Teutonia	15	0	22	27,000	0.81	\$ 8,900
54	Hope	27th	4	0	8	15,300	0.52	\$ 8,900
55	Hope	Sherman	10	0	18	27,800	0.64	\$ 8,900
56	Hope	51st	8	0	16	13,000	1.22	\$ 8,900
57	Hope	60th	4	0	10	24,200	0.41	\$ 8,900
58	Atkinson	27th	5	2	15	21,800	0.68	\$ 8,900
59	Congress	Sherman	16	0	21	24,800	0.84	\$ 6,700
60	Congress	51st	13	0	13	15,100	0.86	\$ 8,900
61	Congress	60th	7	0	8	27,400	0.29	\$ 8,900
62	Congress	92nd	18	1	18	21,600	0.83	\$ 8,900
63	Ruby	Teutonia	5	0	7	14,200	0.49	\$ 4,400
64	Cornell	Teutonia	7	0	15	25,500	0.59	\$ 4,400
65	Hampton	Santa Monica	4	0	15	17,500	0.85	\$ 8,900
66	Hampton	Lydell	3	1	6	17,500	0.34	\$ 8,900
67	Hampton	22nd	3	0	3	24,500	0.12	\$ 8,900
68	Hampton	Teutonia	17	1	41	43,500	0.94	\$ 4,400
69	Hampton	32nd	25	1	19	30,500	0.62	\$ 8,900
70	Hampton	35th	10	0	11	31,700	0.35	\$ 3,300
71	Hampton	37th	11	1	25	33,200	0.75	\$ 8,900
72	Hampton	Hopkins	17	4	35	39,700	0.88	\$ 8,900
73	Hampton	Sherman	23	0	36	52,600	0.68	\$ 8,900
74	Hampton	51st	20	1	38	39,100	0.97	\$ 8,900
75	Hampton	60th	39	0	47	47,900	0.98	\$ 8,900
76	Hampton	68th	18	0	28	25,400	1.10	\$ 8,900
77	Grantosa	Hampton	8	0	17	19,000	0.89	\$ 8,900
78	Hampton	92nd	14	0	18	33,800	0.53	\$ 6,700
79	Teutonia	Villard	33	0	50	31,100	1.60	\$ 4,400
80	Villard	35th	11	1	14	17,300	0.81	\$ 8,900
81	Villard	37th	4	1	10	15,800	0.63	\$ 8,900
82	Hopkins	Villard	23	1	16	20,500	0.78	\$ 8,900
83	Sherman	Villard	19	0	21	36,300	0.58	\$ 8,900
84	Villard	51st	10	0	17	23,800	0.71	\$ 8,900
85	Villard	60th	31	2	29	35,400	0.82	\$ 8,900
86	Villard	64th	1	0	6	14,200	0.42	\$ 8,900
87	Villard	68th	3	0	9	13,800	0.65	\$ 8,900
88	Fond du Lac	Grantosa	17	0	23	18,600	1.23	\$ 8,900
89	Custer	Sherman	8	0	13	22,400	0.58	\$ 4,400
90	Custer	60th	13	0	20	23,300	0.85	\$ 8,900
91	Silver Spring	27th	0	0	5	32,200	0.15	\$ 4,400
92	Silver Spring	35th	11	1	19	33,300	0.57	\$ 4,400
93	Silver Spring	37th	13	0	17	30,800	0.55	\$ 4,400
94	Hopkins	Silver Spring/43rd	2	1	10	31,300	0.32	\$ 3,300
95	Silver Spring	51st	11	0	16	36,100	0.44	\$ 4,400
96	Silver Spring	64th	20	0	35	35,100	0.99	\$ 4,400
97	Silver Spring	68th	7	0	10	32,800	0.30	\$ 4,400
98	Silver Spring	72nd	0	0	3	25,600	0.12	\$ 8,900
99	Fond du Lac	Silver Spring	15	0	24	29,800	0.80	\$ 8,900
100	Florist	Teutonia	17	1	24	27,500	0.87	\$ 8,900

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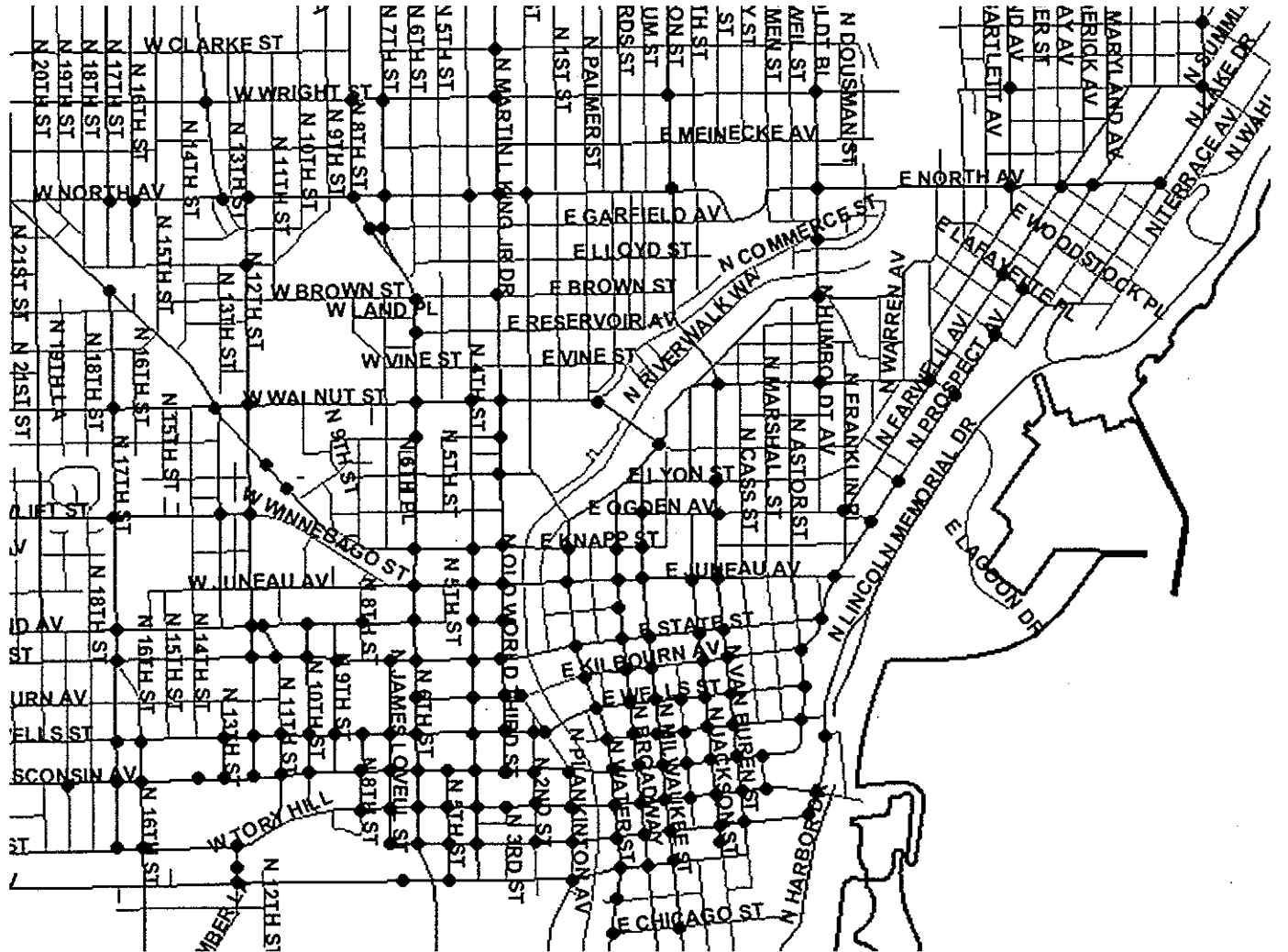
No.	Street 1	Street 2	2006-08			ADT	Crashes/ MEV	Est. Cost
			Injuries	Ped- estrian	Total			
101	Florist	Sherman	7	0	8	17,300	0.46	\$ 8,900
102	Florist	60th	0	0	2	26,400	0.08	\$ 8,900
103	Flagg	91st	4	0	13	24,000	0.54	\$ 4,400
104	Fond du Lac	91st	11	0	15	24,700	0.60	\$ 4,400
105	Douglas	Sherman	3	0	3	27,400	0.11	\$ 8,900
106	Mill	Teutonia	11	0	18	26,100	0.69	\$ 8,900
107	Mill	Sherman/43rd	24	0	25	33,800	0.74	\$ 8,900
108	Mill	60th	16	0	39	37,100	1.05	\$ 8,900
109	Industrial	Mill/64th	8	0	13	26,900	0.48	\$ 8,900
110	Mill	91st	15	2	38	35,800	1.06	\$ 4,400
111	Fond du Lac	Mill	5	1	7	12,200	0.57	\$ 8,900
112	Green Tree	43rd	9	0	8	19,000	0.42	\$ 4,400
113	Green Tree	60th	6	0	5	20,900	0.24	\$ 8,900
114	Calumet	91st	2	2	7	22,400	0.31	\$ 8,900
115	Bradley	51st	6	0	13	16,800	0.77	\$ 8,900
116	Bradley	60th	18	0	24	24,400	0.98	\$ 8,900
117	Bradley	91st	11	0	17	29,700	0.57	\$ 8,900
118	Heather	91st	7	0	8	17,600	0.45	\$ 6,700
119	Allyn	91st	0	0	1	8,400	0.12	\$ 4,400
TOTALS			1222	55	2,002	2,898,500	0.69	\$960,200

**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