

8. ENVIRONMENTAL JUSTICE ANALYSIS

Introduction

In 1994, President Clinton signed Executive Order 12898: “Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations.” The Executive Order required that each Federal agency, to the greatest extent allowed by law, administer and implement its programs, policies, and activities that affect human health or the environment so as to identify and avoid “disproportionately high and adverse” effects on minority and low-income populations.

In order to clarify and expand upon Executive Order 12898 for purposes of federally funded transportation activities, the United States Department of Transportation (USDOT) issued an *Order to Address Environmental Justice in Minority Populations and Low-Income Populations*. The USDOT addressed persons belonging to any of the following groups: Black, Hispanic, Asian American, American Indian and Alaskan Native, Native Hawaiian or other Pacific Islander, and Low-Income.¹

This section analyzes proposed project impacts on minority and low-income populations and identifies any disproportionately high and adverse impacts on those populations. This chapter follows the guidance of the USDOT 1997 Final Order (revised in 2000).

Methodology

In order to identify concentrations of low-income and minority populations, data on race/ethnicity, median household income, and poverty were examined for census block groups within the study area.² This data was compared with data on race/ethnicity, median household income, and poverty for the entire study area. For purposes of this analysis, the study area was defined as the aggregate of the census blocks identified within or partially within the study area. Following the USDOT 2000 clarifications, minority and low-income populations were assessed separately.

¹ US Department of Transportation: *An Overview of Transportation and Environmental Justice*

- Black – a person having origins in any of the black racial groups of Africa.
- Hispanic – a person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.
- Asian – a person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian Subcontinent.
- American Indian and Alaskan Native – a person having origins in any of the original people of North America and who maintains cultural identification through tribal affiliation or community recognition.
- Native Hawaiian or Other Pacific Islander – a person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
- Low-Income – a person whose household income (or in the case of a community or group, whose median household income) is at or below the US Department of Health and Human Services poverty guidelines.

² Census Tract 314 was not analyzed for minority AND low-income populations due to incomplete data.

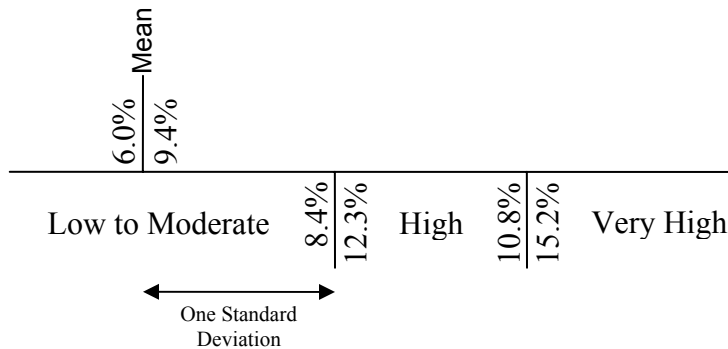
The first step to determine areas of potential impact, involved creating thresholds equal to the percentages of each variable for the whole planning area. The planning area is equal to the sum of the block groups identified within, or partially within the study area.

The thresholds would then equal the total number exhibiting the characteristic of concern divided by the total.

- Population within or partially within the planning area who are a race/ethnicity other than “white alone” (7,143) divided by the total population of the planning area (119,200) equals 6.0 percent.
- Population within the planning area living below poverty (10,540) divided by the total population (111,610) equals 9.4 percent.

The next and final steps involved in creating categories for very high impact, high impact, and low to moderate impact. The process included:

1. Calculating the standard deviation for each variable to create a low to moderate category equal to one standard deviation greater than the mean. The deviations from the means for minority (values to the left of bars) and low-income (values to the right of bars) populations are:



2. Querying for census block groups that experienced percentages less than or equal to the upper bound of the moderate range (8.4 percent for minority and 12.3 percent for low-income) and categorized them as low to moderate impact.
3. Repeat Step 2 for high and very high impacts regarding minority and low-income populations.

Identification Process for Minority and Low Income Populations

	Very Low to Moderate	High	Very High
Minority	Less than or equal to 8.4%	Greater than 8.4% and less than or equal to 10.8%	Greater than 10.8%
Low-Income	Less than or equal to 12.3%	Greater than 12.3% and less or equal to 15.2%	Greater than 15.2%

4. Created maps illustrating very high minority and low-income population areas. Overlaid the map with 2007-2011 TIP projects.

The following pages include project maps illustrating the process. Listed next to each project on the maps are project sequence numbers and descriptions. The project number coincides with the tables following the maps. The tables also indicate whether a project is exempt or non-exempt from environmental justice considerations. Those projects identified as non-exempt require special attention in the project development process.

**St. Cloud Metropolitan Area
2008- 2011 Prioritized FHWA Programming: Environmental Justice**

TIP Seq. #	State Project Number	Implementing Agency	Facility or Route	Project Description	Total \$	Current FY	Funding Program	Original FY	SAFETEA LU Planning Factor	Exempt From EJ Consideration	Reason For Non-Exemption
1	221-738-02	City of Waite Park	10th Ave./ 2nd Ave.	Conduct scoping and prepare environmental documentation for 10th Ave./2nd Ave. corridor from 3rd St. N. to CR 6.	\$250,000	2008	HPP	2008	System Management	Yes	N/A
2	162-101-11	City of St. Cloud	University Drive	Conduct scoping, prepare environmental documentation, design and official mapping for the University Drive corridor from 5th Ave. to TH 10.	\$250,000	2008	HPP	2008	System Management	No	Low-Income & Minority Populations
3	05-080-06	County of Benton	Benton Drive Extension	Conduct scoping, prepare Environmental Assessment and file an Official Map for a proposed new alignment extension of Benton Drive, from TH 10 to Benton CSAH 1 (0.75 miles).	\$250,000	2008	HPP	2008	System Management	No	Low-Income & Minority Populations
4	221-101-02	City of Waite Park	44th Ave/ Waite Ave. (MSAS 101)	Construct new alignment 4-lane divided roadway from 8th street North to Waite Avenue including sidewalk, bike path, curb, gutter, storm sewer, traffic signals, railroad signals, and railroad relocation (1.3 miles).	\$3,776,780	2008	STP	2007	System Connectivity	No	Low-Income & Minority Populations
5	73-030-01AC2	County of Stearns	Sauk Rapids Bridge	Acquire parcels 1, 7, 8, 18, 38 and 39 for the Sauk Rapids Bridge replacement. (FY 2006 A/C Payback)	\$816,000	2008	HPP	2008	Accessibility & Mobility	Yes	N/A
6	73-601-45AC1	County of Stearns	Sauk Rapids Bridge	Sauk Rapids Bridge approach work in Sauk Rapids and St. Cloud (FY 2007 A/C Payback).	\$1,680,855	2008	STP	2008	Accessibility & Mobility	Yes	N/A
7	7303-45	MnDOT District 3	TH 15	TH 55 Kimball to beginning 4-lane near I-94, mill and overlay and shoulder paving (12.6 miles).	\$2,400,000	2008	STP	2008	System Management	Yes	N/A
8	8803-SP-08	MnDOT District 3	District 3	District-Wide set-a-side - safety partnership program - State/local - 2008. - partially outside APO	\$225,000	2008	HSIP	2008	Safety & Security	N/A	N/A
9	73-651-05	MnDOT District 3	CSAH 51	CSAH 52 to CSAH 2 in St. Joseph Township, grade, base and bituminous.	\$2,090,000	2009	STP	2009	System Preservation	Yes	N/A
10	221-108-03AC	City of Waite Park	28th Avenue South	Construct new alignment 4 lane roadway along 28th Avenue from TH 23 to Stearns CR 137, including sidewalk, curb, gutter, storm sewer and traffic signals and realignment of Stearns CR 137 (AC Project, Payback in 2011).	\$2,455,180	2009	STP	2011	Accessibility & Mobility	No	Minority Populations
11	7303-46	MnDOT District 3	TH 15	TH 15 from 727 ft S of Jct of Galaxy Rd to 714 ft N of Jct. Stearns CSAH 47/136 in St. Augusta, construct turn lanes & intersection improvements	\$600,000	2009	HSIP	2008	Safety & Security	Yes	N/A
12	7303-47	MnDOT District 3	TH 15	TH 23 EB Division to just north of CSAH 47/136 in St. Augusta, mill & overlay, and shoulder paving	\$2,000,000	2009	STP	2009	System Preservation	Yes	N/A
13	73-030-02	County of Stearns	Opportunity Drive	Conduct scoping, prepare environmental documentation, design and official mapping for Opportunity Drive corridor from I-94 to CSAH 7.	\$172,800	2009	HPP	2009	System Management	Yes	N/A
14	162-020-25	City of St. Cloud	Sherburne Co. CSAH 7	Conduct scoping, prepare environmental documentation, and design for CSAH 7 corridor.	\$250,000	2009	HPP	2009	System Management	Yes	N/A
15	233-070-001	City of St. Joseph	St. Joseph North Corridor	Conduct Tier I environmental documentation for the St. Joseph North Corridor from CR 133 to CSAH 3.	\$200,000	2009	HPP	2009	System Management	No	Low-Income Populations
16	73-738-02	County of Stearns	Sauk River Crossing	Conduct scoping and prepare Environmental Assessment for a proposed new Sauk River crossing somewhere between 10th Avenue and 28th Avenue in the cities of Waite Park and St. Cloud (2.1 miles).	\$300,000	2009	HPP	2008	System Management	Yes	N/A
17	73-684-03	County of Stearns	Southwest Beltway Road	Prepare a Tier 1 Environmental Impact Statement and file an Official Map for a proposed new alignment roadway south and west of the City of Waite Park, extending from west of TH 15 and 33rd Street South to Stearns CSAH 4/ CSAH 133 (8.2 miles).	\$275,000	2009	HPP	2008	System Management	No	Low-Income & Minority Populations
18	73-601-45AC2	County of Stearns	Sauk Rapids Bridge	Sauk Rapids Bridge approach work in Sauk Rapids and St. Cloud (FY 2007 A/C Payback).	\$1,376,987	2009	HPP/STP	2009	Accessibility & Mobility	Yes	N/A
19	7306-93	MnDOT District 3	TH 23	Reconstruct from Washington Memorial Drive to Desoto Bridge in St. Cloud, including Lake George Bridge. (AC project, payback in FY 2010)	\$10,500,000	2009	STP	2010	System Preservation	No	Low-Income & Minority Populations
20	73-030-01AC3	County of Stearns	Sauk Rapids Bridge	Acquire parcels 1, 7, 8, 18, 38 and 39 for the Sauk Rapids Bridge replacement. (FY 2006 A/C Payback)	\$455,373	2009	HPP	2009	Accessibility & Mobility	Yes	N/A
21a	73-596-06	County of Stearns	Stearns CR 134/ CSAH 138/ CSAH 4	Construction of Stearns CR 134 realignment to CSAH 138 to include a 4 lane divided urban section from West Oaks Drive to south of Knights of Columbus Park, and expansion of Stearns CSAH 4 to 6 lanes from Rolling Ridge to Stearns CSAH 138. (A/C Project, Payback in 2010-11)	\$7,367,752	2009	STP & HPP	2009	Accessibility & Mobility	No	Low-Income & Minority Populations
21b	73-596-06	County of Stearns	Stearns CR 134/ CSAH 138/ CSAH 4	Construction of Stearns CR 134 realignment to CSAH 138 to include a 4 lane divided urban section from West Oaks Drive to south of Knights of Columbus Park, and expansion of Stearns CSAH 4 to 6 lanes from Rolling Ridge Road to Stearns CSAH 138.	\$2,133,624	2009	HPP	2009	Accessibility & Mobility	No	Low-Income & Minority Populations
21c	73-596-06	County of Stearns	Stearns CR 134/ CSAH 138/ CSAH 4	Construction of Stearns CR 134 realignment to CSAH 138 to include a 4 lane divided urban section from West Oaks Drive to south of Knights of Columbus Park, and expansion of Stearns CSAH 4 to 6 lanes from Rolling Ridge Road to Stearns CSAH 138.	\$2,133,624	2009	HPP	2009	Accessibility & Mobility	No	Low-Income & Minority Populations
21d	73-738-04	County of Stearns	Stearns CR 134/ CSAH 138/ CSAH 4	Right-of-way for Stearns CR 134 realignment to CSAH 138 including a 4 lane divided urban section from West Oaks Drive to south of Knights of Columbus Park, and expansion of Stearns CSAH 4 to 6 lanes from Rolling Ridge Road to Stearns CSAH 138.	\$4,255,000	2009	HPP	2009	Accessibility & Mobility	No	Low-Income & Minority Populations
22	162-101-10	City of St. Cloud	University Bridge (MSAS 101)	Expand the University Bridge to 4 lanes, including approaches, from 5th Avenue South to Kilian Blvd. (0.56 miles).	\$4,590,000	2009	HPP	2009	Accessibility & Mobility	No	Low-Income & Minority Populations
23	7380-224	MnDOT District 3	I-94	Install median cable guard rail from Albany to TH 15 near St. Cloud - partially outside APO	\$2,054,273	2009	HSIP	2009	Safety & Security	No	Low-Income & Minority Populations
24	0501-27	MnDOT District 3	TH 10	Benton Drive in Sauk Rapids to TH 24, reconstruct, unbonded concrete overlay, bituminous overly including shoulder paving.	\$6,348,421	2010	NHS	2010	System Preservation	No	Low-Income & Minority Populations
25	73-601-45AC3	County of Stearns	Sauk Rapids Bridge	Sauk Rapids Bridge approach work in Sauk Rapids and St. Cloud (FY 2007 A/C Payback).	\$474,810	2010	STP	2010	Accessibility & Mobility	Yes	N/A
26	73-596-06AC1	County of Stearns	Stearns CR 134/ CSAH 138/ CSAH 4	Construction of Stearns CR 134 realignment to CSAH 138 to include a 4 lane divided urban section from West Oaks Drive to south of Knights of Columbus Park, expand Stearns CSAH 4 to 6 lanes from Rolling Ridge Road to Stearns CSAH 138. (A/C Payback)	\$1,578,190	2010	STP	2010	Accessibility & Mobility	No	Low-Income & Minority Populations
27	7306-93AC	MnDOT District 3	TH 23	Reconstruct from Washington Memorial Drive to Desoto Bridge in St. Cloud, including Lake George Bridge. (AC payback)	\$6,500,000	2010	STP	2010	System Preservation	No	Low-Income & Minority Populations
28	0503-77	MnDOT District 3	TH 23	East end of Desoto Bridge to 0.8 MI E to JCT TH 10 in St. Cloud, reconstruct.	\$2,201,796	2010	STP	2010	System Preservation	No	Low-Income & Minority Populations
29	0501-28	MnDOT District 3	TH 10	15th Avenue in St. Cloud to JCT 25 in Becker, bituminous overlay including shoulder paving - partially outside APO.	\$2,273,728	2011	STP	2010	System Preservation	No	Low-Income & Minority Populations
30	73-596-06AC2	County of Stearns	Stearns CR 134/ CSAH 138/ CSAH 4	Construction of Stearns CR 134 realignment to CSAH 138 to include a 4 lane divided urban section from West Oaks Drive to south of Knights of Columbus Park, expand Stearns CSAH 4 to 6 lanes from Rolling Ridge Road to Stearns CSAH 138. (A/C Payback)	\$1,142,465	2011	STP	2011	Accessibility & Mobility	No	Low-Income & Minority Populations
31	162-090-05	City of St. Cloud	Beaver Island Trail	Beaver Island Trail extension from the St. Cloud Civic Center to Hester Park along the Mississippi River in the City of St. Cloud (0.85 miles).	\$1,192,860	2011	TEA	2011	Metropolitan Vitality	No	Low-Income & Minority Populations
32	221-108-03	City of Waite Park	28th Avenue South	Construct new alignment 4 lane roadway along 28th Avenue from TH 23 to Stearns CR 137, including sidewalk, curb, gutter, storm sewer and traffic signals and realignment of Stearns CR 137 (0.83 miles). (2009 A/C Payback)	\$2,455,180	2011	STP	2011	Accessibility & Mobility	No	Minority Populations
33	7306-95	MnDOT District 3	TH 23	From Jct. TH 15 to 0.1 Mi. West of 19 1/2 St. in St. Cloud (EBL & WBL), Mill & Overlay	\$1,035,070	2011	STP	2011	Accessibility & Mobility	Yes	N/A
34	05-030-01	County of Benton	Various Intersections	Safety & geometric improvements at 5 intersections: Benton CSAH 1 & CSAH 29, CSAH 1 & CSAH 4, CSAH 5 & CSAH 6, CSAH 6 & TH 23, & CSAH 4 & CSAH 6	\$202,000	2011	STP	2011	Safety & Security	Yes	N/A

**St. Cloud Metropolitan Area
2008 - 2011 Prioritized State Trunk Highway Programming: Environmental Justice**

TIP Seq. #	State Project Number	Implementing Agency	Facility or Route	Project Description	Total \$	Fiscal Year	SAFETEA LU Factor Addressed	Exempt From EJ Consideration	Reason For Non-Exemption
35	0505-24	MnDOT District 3	TH 95	TH 23 to 4.4 MI. W. of TH 47 E. of Princeton, mill and overlay, including shoulder paving	\$5,128,702	2008	System Preservation	Yes	N/A
36	8803-AM-08	MnDOT District 3	District-Wide	District set-a-sides - Cooperative Agreements - 2008	\$1,000,000	2008	N/A	N/A	N/A
37	8803-CA-08	MnDOT District 3	District-Wide	District set-a-sides - Consultant Agreements - 2008	\$500,000	2008	Energy & Environment	N/A	N/A
38	8803-MA-08	MnDOT District 3	District-Wide	District set-a-sides - Miscellaneous agreements - 2008	\$800,000	2008	N/A	N/A	N/A
39	8803-RB-08	MnDOT District 3	District-Wide	District set-a-sides - Landscaping - 2008	\$30,000	2008	Energy & Environment	N/A	N/A
40	8803-RW-08	MnDOT District 3	District-Wide	District set-a-sides - Right-of-way - 2008	\$5,000,000	2008	Accessibility & Mobility	N/A	N/A
41	8803-RX-08	MnDOT District 3	District-Wide	District set-a-sides - Misc. road & bridge repair (BARC) - 2008	\$3,000,000	2008	System Preservation	N/A	N/A
42	8803-SA-08	MnDOT District 3	District-Wide	District set-a-sides - Supplemental agreements/overruns - 2008	\$3,000,000	2008	N/A	N/A	N/A
43	8803-SC-08	MnDOT District 3	District-Wide	District set-a-sides - Safety Improvements - 2008	\$300,000	2008	Safety & Security	N/A	N/A
44	7380-219	MnDOT District 3	I-94	Replace Type C & D Signs on I-94 from Todd/Douglas Co Line to TH 15	\$500,000	2008	System Preservation	No	Low-Income & Minority Populations
45	8803-AM-09	MnDOT District 3	District-Wide	District set-a-sides - Cooperative Agreements - 2009	\$500,000	2009	N/A	N/A	N/A
46	8803-CA-09	MnDOT District 3	District-Wide	District set-a-sides - Consultant Agreements - 2009	\$500,000	2009	Energy & Environment	N/A	N/A
47	8803-MA-09	MnDOT District 3	District-Wide	District set-a-sides - Miscellaneous agreements - 2009	\$800,000	2009	N/A	N/A	N/A
48	8803-RB-09	MnDOT District 3	District-Wide	District set-a-sides - Landscaping - 2009	\$30,000	2009	Energy & Environment	N/A	N/A
49	8803-RW-09	MnDOT District 3	District-Wide	District set-a-sides - Right-of-way - 2009	\$3,500,000	2009	Accessibility & Mobility	N/A	N/A
50	8803-RX-09	MnDOT District 3	District-Wide	District set-a-sides - Misc. road & bridge repair (BARC) - 2009	\$3,000,000	2009	System Preservation	N/A	N/A
51	8803-SA-09	MnDOT District 3	District-Wide	District set-a-sides - Supplemental agreements/overruns - 2009	\$3,000,000	2009	N/A	N/A	N/A
52	8803-SC-09	MnDOT District 3	District-Wide	District set-a-sides - Safety Improvements - 2009	\$300,000	2009	Safety & Security	N/A	N/A
53	7380-220	MnDOT District 3	I-94	Replace type C & D signs on I-94 from TH 15 to Wright/Hennepin Co. line	\$500,000	2009	System Preservation	Yes	N/A
54	0502-99	MnDOT District 3	TH 10	Upgrade railroad crossing west of St. Germain Street in St. Cloud	\$110,000	2009	Safety & Security	No	Minority Populations
55	0501-26	MnDOT District 3	TH 10	Watab to 0.2 MI. W of RR crossing in St. Cloud (EBL & WBL), diamond grind	\$993,388	2010	System Preservation	No	Low-Income & Minority Populations
56	7380-221	MnDOT District 3	I-94	Replacement of type C & D signs at various locations on I-94	\$500,000	2010	System Preservation	N/A	N/A
57	8803-AM-10	MnDOT District 3	District-Wide	District set-a-sides - Cooperative Agreements - 2010	\$750,000	2010	N/A	N/A	N/A
58	8803-CA-10	MnDOT District 3	District-Wide	District set-a-sides - Consultant Agreements - 2010	\$500,000	2010	Energy & Environment	N/A	N/A
59	8803-MA-10	MnDOT District 3	District-Wide	District set-a-sides - Miscellaneous agreements - 2010	\$800,000	2010	N/A	N/A	N/A
60	8803-RB-10	MnDOT District 3	District-Wide	District set-a-sides - Landscape partnership - 2010	\$30,000	2010	Energy & Environment	N/A	N/A
61	8803-RW-10	MnDOT District 3	District-Wide	District set-a-sides - Right-of-way - 2010	\$4,500,000	2010	Accessibility & Mobility	N/A	N/A
62	8803-RX-10	MnDOT District 3	District-Wide	District set-a-sides - Misc. road & bridge repair (BARC) - 2010	\$3,000,000	2010	System Preservation	N/A	N/A
63	8803-SA-10	MnDOT District 3	District-Wide	District set-a-sides - Supplemental agreements/overruns - 2010	\$3,000,000	2010	N/A	N/A	N/A
64	8803-SC-10	MnDOT District 3	District-Wide	District set-a-sides - Safety Improvements - 2010	\$300,000	2010	Safety & Security	N/A	N/A
65	8823-106	MnDOT District 3	District-Wide	Upgrade guardrail end treatments at various locations in district	\$413,000	2011	System Preservation	N/A	N/A
66	8803-AM-11	MnDOT District 3	District-Wide	District set-a-sides - Cooperative Agreements - 2011	\$750,000	2011	N/A	N/A	N/A
67	8803-CA-11	MnDOT District 3	District-Wide	District set-a-sides - Consultant Agreements - 2011	\$500,000	2011	Energy & Environment	N/A	N/A
68	8803-MA-11	MnDOT District 3	District-Wide	District set-a-sides - Miscellaneous agreements - 2011	\$800,000	2011	N/A	N/A	N/A
69	8803-RB-11	MnDOT District 3	District-Wide	District set-a-sides - Landscape partnership - 2011	\$30,000	2011	Energy & Environment	N/A	N/A
70	8803-RW-11	MnDOT District 3	District-Wide	District set-a-sides - Right-of-way - 2011	\$7,000,000	2011	Accessibility & Mobility	N/A	N/A
71	8803-RX-11	MnDOT District 3	District-Wide	District set-a-sides - Misc. road & bridge repair (BARC) - 2011	\$3,000,000	2011	System Preservation	N/A	N/A
72	8803-SA-11	MnDOT District 3	District-Wide	District set-a-sides - Supplemental agreements/overruns - 2011	\$3,000,000	2011	N/A	N/A	N/A
73	8803-SC-11	MnDOT District 3	District-Wide	District set-a-sides - Safety Improvements - 2011	\$300,000	2011	Safety & Security	N/A	N/A

Note: Portion of District-Wide projects may be implemented in St. Cloud Area; total allocation shown.