



Memorandum

To: Melanie Vance, Sayma Rahman, Mike Davis, WSDOT
From: Laurel Kanawyer, SDOT

Subject: Seattle Department of Transportation's East Marginal Way Corridor Improvement Project – Environmental Justice Determination

In compliance with the Presidential Executive Order 12898, DOT Order 5610.2 and FHWA Order 6640.23, an Environmental Justice Analysis was conducted for the Seattle Department of Transportation (SDOT) East Marginal Way Corridor Improvement Project. The results of the EJ Decision Matrix show that there are minority and low-income populations within the project area, and there is potential for adverse impacts to these populations due to the project's need for a detour. This analysis complies with approved WSDOT guidance and procedures.

Project Description

This analysis covers all segments of the project, which proposes to improve E Marginal Way S from S Atlantic St to S Alaska St.

Project improvements include repaving the road surface to meet heavy haul standards, upgrading existing and installing new signals to form an Intelligent Transportation System (ITS), adding wayfinding, realigning a section of railroad tracks, constructing systems for drainage collection, water quality treatment, and flow control, replacing an existing water main, and improving pedestrian and bicyclist safety by reconstructing sidewalks, adding a buffered protected bike lane, and adding a multi-use path.

Demographics Data

Table 1 summarizes 2010 Census data for the project area, using a ½ mile buffer around the project.

Table 1: Population by Race

Minority	Number of Persons	Percent of Population
Total Hispanic Population	26	6%
White Alone	259	61%
Black Alone	29	7%
American Indian Alone	39	9%
Non-Hispanic Asian Alone	52	12%
Pacific Islander Alone	3	1%
Other Race Alone	1	0%
Two or More Races Alone	13	3%
Total	422	

Source: EJSCREEN Census 2010 Summary Report – attached

Table 2 summarizes American Community Survey (ACS) 2013-2017 data for the project area, using a ½ mile buffer around the project.

Table 2: Limited English Proficient (LEP) and Household Income Data

Data Assessed	2013-2017 ACS Estimates	Percent	MOE (+/-)
Pop. Age 5+: Speak English "less than well"	25	3%	60
Total	805		314
Households with income < \$15,000	5	2%	54
Households with income \$15,000 - \$25,000	7	3%	44
Total	225		116

Source: EJSscreen ACS Summary Report – attached

The closest elementary school is Maple Elementary School. The school demographic data is summarized in Table 3.

Table 3: Demographics and Select Characteristics of Maple Elementary School Students (2019-20)

Demographic Assessed	Number of Persons	Percentage
American Indian/Alaskan Native	3	0.6%
Asian	277	51.6%
Black/African American	23	4.3%
Hispanic/Latino of any race(s)	88	16.4%
Two or More Races	60	11.2%
White	86	16.0%
Total	537	-
Low-Income	285	53.1%
English Language Learners	191	35.6%

Source: Washington Office of Superintendent of Public Instruction [Washington State Report Card](#) website. Report attached.

There are some notable differences (greater than 5%) between the race demographics indicated in the 2010 census data and the Maple Elementary School report. The differences can likely be explained by at least two major factors.

First, the census data is from 2010, whereas the OSPI data is from the 2019-2020 school year. The [Seattle Office of Planning and Community Development](#) "How We Grow" data dashboard indicates Seattle's population has grown by 23% (138,640 people) since 2010; this rapid growth may have shifted the demographics of the city.

Second, the project area is in a highly industrial corridor in the city, and the 1/2 mile buffer with which the ACS data was generated primarily includes partly or completely non-residential areas such as Harbor Island, the commercial core of the SODO neighborhood, and the Industrial District. By contrast, the Maple Elementary School likely serves the more residential portions of South Seattle.

Project Effects

The project will result in improvements to pedestrian and bicyclist access and safety due to the installation of protected bike lanes, rebuilt sidewalks, a multi-use path, and signalized bicycle crossing location. Additionally, it will improve the road to support its use as a heavy haul corridor. The finished project will have no operational increase in noise, and no change to public transportation or parking. A detour may be required during construction, but pedestrian, bicycle, and vehicle access will be either maintained or safely detoured consistent with the 2018 Traffic Control Manual. Short-term increases in noise and dust will impact any adjacent residences during construction, but as the project area is primarily industrial, it is anticipated that there will be minimal direct impacts to residences.

The project will require fee acquisitions and temporary construction easements, all of which are slivers of Port of Seattle or King County Waste Water parcels. None of the temporary or permanent acquisitions will include residential relocations. Figure 458-1 of the WSDOT Environmental Manual, Question 3 indicates that no further analysis is needed if the acquisitions affect less than 10% of the parcels, are sliver takes, and distributed evenly through the project area. The fee acquisitions and temporary construction easements appear to meet these parameters; they are summarized in the table below.

Table 4: Summary of Fee Acquisitions and Temporary Construction Easements (TCE)

Parcel Number	Parcel Address	Property Owner	Fee Acquisition (SF)	TCE (SF)
766620-7800	1733 Alaskan Way S	Port of Seattle	288.02	546.70
766620-7830	1901 East Marginal Way S	Port of Seattle	11,586.40	13,576.97
766620-7875	2499 East Marginal Way S	King County - Waste Water	274.72	191.13
766620-7900	2901 East Marginal Way S	Port of Seattle	-	540.26
766620-7905	2917 East Marginal Way S	Port of Seattle	8,392.51	8,525.49
766620-7918	2999 East Marginal Way S	King County - Waste Water	-	72.27

Source: SDOT 90% Design ROW Plan Set

Attachments

1. Census 2010 Summary Report
2. 2013-2017 ACS Summary Report
3. Maple Elementary School OSPI Washington State Report Card Summary Report

Location: User-specified linear location
 Ring (buffer): 0.5-miles radius
 Description:

Summary	Census 2010
Population	422
Population Density (per sq. mile)	181
Minority Population	163
% Minority	39%
Households	131
Housing Units	147
Land Area (sq. miles)	2.33
% Land Area	89%
Water Area (sq. miles)	0.30
% Water Area	11%

Population by Race	Number	Percent
Total	422	
Population Reporting One Race	407	96%
White	274	65%
Black	30	7%
American Indian	40	9%
Asian	52	12%
Pacific Islander	3	1%
Some Other Race	9	2%
Population Reporting Two or More Races	15	4%
Total Hispanic Population	26	6%
Total Non-Hispanic Population	396	94%
White Alone	259	61%
Black Alone	29	7%
American Indian Alone	39	9%
Non-Hispanic Asian Alone	52	12%
Pacific Islander Alone	3	1%
Other Race Alone	1	0%
Two or More Races Alone	13	3%

Population by Sex	Number	Percent
Male	262	62%
Female	160	38%

Population by Age	Number	Percent
Age 0-4	6	2%
Age 0-17	19	4%
Age 18+	403	96%
Age 65+	39	9%

Households by Tenure	Number	Percent
Total	131	
Owner Occupied	83	64%
Renter Occupied	47	36%

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

Source: U.S. Census Bureau, Census 2010 Summary File 1.

Location: User-specified linear location

Ring (buffer): 0.5-miles radius

Description:

Summary of ACS Estimates		2013 - 2017	
Population		815	
Population Density (per sq. mile)		349	
Minority Population		345	
% Minority		42%	
Households		230	
Housing Units		232	
Housing Units Built Before 1950		137	
Per Capita Income		49,479	
Land Area (sq. miles) (Source: SF1)		2.33	
% Land Area		89%	
Water Area (sq. miles) (Source: SF1)		0.30	
% Water Area		11%	
	2013 - 2017 ACS Estimates	Percent	MOE (±)
Population by Race			
Total	815	100%	323
Population Reporting One Race	714	88%	781
White	512	63%	256
Black	93	11%	116
American Indian	24	3%	36
Asian	65	8%	153
Pacific Islander	0	0%	145
Some Other Race	20	3%	75
Population Reporting Two or More Races	101	12%	84
Total Hispanic Population	54	7%	131
Total Non-Hispanic Population	761		
White Alone	470	58%	253
Black Alone	93	11%	116
American Indian Alone	24	3%	36
Non-Hispanic Asian Alone	65	8%	153
Pacific Islander Alone	0	0%	145
Other Race Alone	8	1%	21
Two or More Races Alone	101	12%	84
Population by Sex			
Male	609	75%	219
Female	206	25%	163
Population by Age			
Age 0-4	1	0%	51
Age 0-17	16	2%	112
Age 18+	799	98%	245
Age 65+	131	16%	107

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2013 - 2017

Location: User-specified linear location

Ring (buffer): 0.5-miles radius

Description:

	2013 - 2017 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	683	100%	262
Less than 9th Grade	2	0%	35
9th - 12th Grade, No Diploma	40	6%	47
High School Graduate	24	3%	96
Some College, No Degree	299	44%	153
Associate Degree	77	11%	71
Bachelor's Degree or more	318	47%	175
Population Age 5+ Years by Ability to Speak English			
Total	814	100%	314
Speak only English	669	82%	264
Non-English at Home ¹⁺²⁺³⁺⁴	145	18%	137
¹ Speak English "very well"	113	14%	110
² Speak English "well"	6	1%	110
³ Speak English "not well"	17	2%	60
⁴ Speak English "not at all"	9	1%	26
³⁺⁴ Speak English "less than well"	25	3%	60
²⁺³⁺⁴ Speak English "less than very well"	31	4%	125
Linguistically Isolated Households*			
Total	1	100%	48
Speak Spanish	0	59%	28
Speak Other Indo-European Languages	0	0%	12
Speak Asian-Pacific Island Languages	0	41%	37
Speak Other Languages	0	0%	12
Households by Household Income			
Household Income Base	230	100%	116
< \$15,000	5	2%	54
\$15,000 - \$25,000	7	3%	44
\$25,000 - \$50,000	24	10%	77
\$50,000 - \$75,000	23	10%	86
\$75,000 +	173	75%	129
Occupied Housing Units by Tenure			
Total	230	100%	116
Owner Occupied	113	49%	92
Renter Occupied	117	51%	116
Employed Population Age 16+ Years			
Total	800	100%	258
In Labor Force	574	72%	242
Civilian Unemployed in Labor Force	25	3%	39
Not In Labor Force	226	28%	154

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of anyrace.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS)

*Households in which no one 14 and over speaks English "very well" or speaks English only.

Location: User-specified linear location

Ring (buffer): 0.5-miles radius

Description:

	2013 - 2017 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	1,711	100%	277
English	1,306	76%	241
Spanish	74	4%	83
French	16	1%	22
French Creole	N/A	N/A	N/A
Italian	N/A	N/A	N/A
Portuguese	N/A	N/A	N/A
German	6	0%	21
Yiddish	N/A	N/A	N/A
Other West Germanic	N/A	N/A	N/A
Scandinavian	N/A	N/A	N/A
Greek	N/A	N/A	N/A
Russian	N/A	N/A	N/A
Polish	N/A	N/A	N/A
Serbo-Croatian	N/A	N/A	N/A
Other Slavic	N/A	N/A	N/A
Armenian	N/A	N/A	N/A
Persian	N/A	N/A	N/A
Gujarathi	N/A	N/A	N/A
Hindi	N/A	N/A	N/A
Urdu	N/A	N/A	N/A
Other Indic	N/A	N/A	N/A
Other Indo-European	22	1%	39
Chinese	93	5%	92
Japanese	N/A	N/A	N/A
Korean	0	0%	12
Mon-Khmer, Cambodian	N/A	N/A	N/A
Hmong	N/A	N/A	N/A
Thai	N/A	N/A	N/A
Laotian	N/A	N/A	N/A
Vietnamese	5	0%	13
Other Asian	70	4%	54
Tagalog	25	1%	32
Other Pacific Island	N/A	N/A	N/A
Navajo	N/A	N/A	N/A
Other Native American	N/A	N/A	N/A
Hungarian	N/A	N/A	N/A
Arabic	0	0%	12
Hebrew	N/A	N/A	N/A
African	N/A	N/A	N/A
Other and non-specified	89	5%	127
Total Non-English	405	24%	367

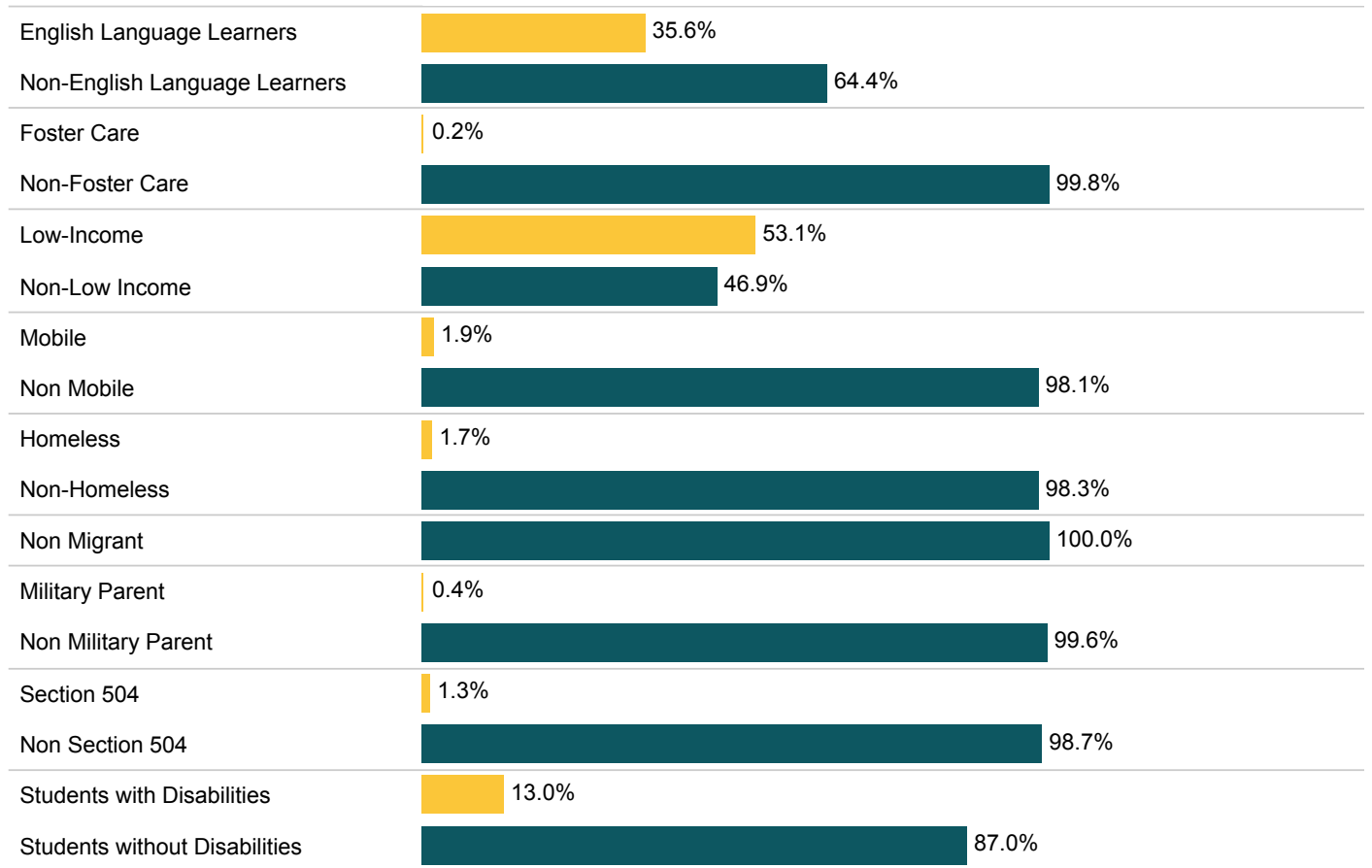
Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2013 - 2017.

*Population by Language Spoken at Home is available at the census tract summary level and up.

Maple Elementary School

2019-20



Maple Elementary School

2019-20

Female



Male



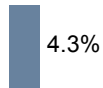
American Indian/ Alaskan Native



Asian



Black/ African American



Hispanic/ Latino of any race(s)



Two or More Races



White

