

For questions and comments, please contact:

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Definitions

Several definitions require clarification in evaluating facility use, either improved existing or new facilities. This section provides definitions for terms that are used in this tool with respect to "trip types" and "user types). In addition, not all users benefit from projects in the same way. Definitions about benefit categories are elaborated upon below. Relevance of benefit categories depends on trip purpose and type of project (i.e., existing facility upgrade and new construction).

Trip Types	Definitions
Trips	One-way travel to a destination for commuting, or other purposes and is assumed to counted for both directions of travel (and subsequently modeled) for a specific location.
Roundtrips	Most trips have a return journey using the same mode and some can include other unlinked side trips. This "roundtrip" measure divides Trips by the average number of unlinked trips to determine the is used to identify the number of users that take trips.
Existing Trips	Baseline trips, either on an existing facility or unmarked street, where the project will create a new facility with specific improvements
Induced Trips	Additional trips above the baseline that arise because of the improvements to existing or new facilities
Trip Forecasts	Forecasts are developed for existing facilities and new locations (if applicable), model users determine numbers of current and induced trips, and other characteristics (e.g., roundtrip probability, purpose, distance, etc.)

Trip Purposes	Definitions
Commute to Wor	Users who are taking the facility to or from work. These users are primarily adult or young-adult aged. Use by college students would be classified under "other destinations"
Safe Route to Schoo	Users who are school-aged, i.e. 18 or under years old, and taking the facility to or from school.
Other Destination	Users who are taking the facility to reach a variety of other destinations besides work, such as shopping, meeting friends, college classes, etc. These are trips that would be otherwise taken by some type of motor vehicle
Recreationa	Users who are taking the facility purely as a loop-trip for exercise purposes. These trips would not be otherwise taken by motor vehicle since the purpose is for fitness and recreation.

Benefit Categories	Definitions
Journey Quality	Improvements in the quality of the trip for pedestrians and cyclists that arise from a greater feeling of safety, comfort, aesthetics, and other types of improvements. Improvements to existing and new facilities can generate benefits for current trips and induced trips. Benefits to induced users are estimated using "rule of half" approximation. Journey quality is assumed to have a zero value for existing users along routes where there is no existing facility. The value of journey quality includes the perception of safety improvement and thus, to avoid double counting, additional accident reduction value along the routes is excluded. However, safety improvements at intersections along existing facilities generate additional benefits that are discussed below.
	Improvements to existing intersections (e.g. lights, bridges, etc.) can lead to time savings for trips by reducing waiting time at intersections, for say a break in vehicular traffic. Time savings benefits can arise for existing and induced pedestrians and cyclists at each intersection that they cross. The number of intersections crossed by users of a facility on each trip is determined by the total length of the existing facility the average distance traveled per user type, and the number of intersections with improvements. Benefits to induced users are estimated using "rule of half" approximation.
Intersection Safety (Accident Reduction at Improved Intersections of Existing Facilities)	cyclists at each intersection crossed. The number of intersections crossed per trip is determined by the total length of the existing facility, the average distance traveled per user type, and the number of intersections with improvements. The magnitude of impacts is determined by the percent reduction in existing accidents due to specific safety.
	Some of the induced pedestrian and cycling trips entail diversions from auto use. Benefits from reduced auto use include reduced frequency of accidents and level of auto emissions. Benefits are estimated for each diverted auto trip by using standard methods and data for estimating the value of auto use externalities.
	Health benefits related to reduced absenteeism are generated by induced walking and cycling commuters. The benefits are monetized by higher productivity due to fewer sick days. Benefits to these induced users are not estimated using "rule of half" approximation since the value is observed by the employer.

Health Benefits - Reduced Health Drganization (WHO) and formalized in their online HEAT tool and documentation. Benefits are derived from reduced mortality risk in populations that range from 20-Mortality Risk 64 for cyclists and 20-74 for pedestrians. Reduced mortality risk depends on the amount of cycling (average distance) undertaken over a one year period.

Benefit Categories by Facility Type

The matrix below indicates the applicability of benefits by to different types of trips and projects. Projects include existing facility improvements and new construction. Trips differ between current trips already being taken and new, induced trips that arise because of improvements.

	Existing Fac	ility Improvement	New C	onstruction	
Benefit Categories by Facility Type	Existing Trips	Induced Trips	Existing Trips	Induced Trips	
Journey Quality	Yes	Yes	Yes	Yes	
Intersection Delay (Time Savings from Improved Intersections on Existing Facilities)	Yes	Yes			
Intersection Safety (Accident Reduction at Improved Intersections of Existing Facilities)	Yes	Yes			
Auto Accident Costs and Auto Emissions		Yes		Yes	
Health Benefits - Reduced Absenteeism of Commuters		Yes (Commuters, only)		Yes (Commuters, only)	
Health Benefits - Reduced Mortality Risk		Yes (Age dependent)		Yes (Age dependent)	

District:	4	EA:	
PROJECT	SFMTA - Howard Street Streetscape Project	PPNO:	
	PROJECT AND SITE CHARA	CTERISTICS	
Type of P	Project		
	Existing facility upgrade only = 1		
	New facility only, no existing facility work = 2	3	
	Existing facility upgrade and new facility extension = 3		
Tota	al Project Length		Project Type Data Check
	Total Existing Facility Length (miles)	1	OK
	Total New Facility Length (miles)	1	OK
Character	ristics		
	<i>ject Location</i> (enter 1 for So. Cal., 2 for No. Cal., or 3 for rural)	2	
	,		
Safe	e Route to School? (enter 1 for Yes, 0 for No)	0	
Prov	grammatic Initiatives? (enter 1 for Yes, 0 for No)	0	
110	grammate mitiatives? (enter 1 for 1 es, 0 for 100)	0	
Con	struction		Constr. Years Data Check
	Length of Construction Period (years)	4	OK

1B EXISTING SEGME	ENT IMPROVE	MENTS AND TRIP	VOLUME	
Improvement Characteristics				
Existing Facility Length, if Applicable	Class	No Build	Build	Project Length Data Check
Bike Paths (miles)	1	0	0	ОК
Bike Lanes (miles)	11	0	0	
Bike Route (miles)	III	0	0	
Separated Bikeways, Cycle Tracks (miles)	IV	1	1	
Total		1	1	
Pedestrian Improvements		-	Yes =1 or No=0	
Street Lighting		0	1	
Curb Level		0	1	
Crowding		0	1	
Pavement Evenness		0	1	
Information Panels		0	1	
Benches		0	1	
Directional Signage		0	1	
Trip Data - Adults				
Cycling				
Daily Trips - Current		1,030		
Projected Annual Growth Rates from Year 1 (%)		4%	4%]
Daily Trips - Year 1 (post-construction)		1,205	1,205	
Daily Trips - Year 20 (post-construction)		2,640	2,640	

	Pedestrian		
	Daily Trips - Current	7,389	
	Projected Annual Growth Rates from Year 1 (%)	5%	5%
	Daily Trips - Year 1 (post-construction)	8,981	8,981
	Daily Trips - Year 20 (post-construction)	23,830	23,830
7	rip Data - Children - SRTS		
	Cycling		
	Daily Trips - Current	0	
	Projected Annual Growth Rates from Year 1 (%)		
			0
	Daily Trips - Year 1 (post-construction)	0	0
	Daily Trips - Year 20 (post-construction)	0	0
	Pedestrian		
	Daily Trips - Current	0	
	Projected Annual Growth Rates from Year 1 (%)		
	Daily Trips - Year 1 (post-construction)	0	0
	Daily Trips - Year 20 (post-construction)	0	0

1C INTERSECTION IMPROVEMENTS - TIME SAV	INGS AND ACCID	ENT REDUCTION D	ATA
Reduced Delay Due to Intersection Improvements			
Time Savings Parameters			
Number of Improved Intersections		8	
Time Savings per Improved Intersection (min.)		0	
Intersection improvements on SRTS? (enter 1 for Yes, 0 for No)		0	
Accident Rate - Current Conditions			
Cyclists	Count (No.)	Rate per Year	
Number of Years of Data	6.00		
Existing Conditions			
Total Number of Accidents (Tot)	34	5.7	
Number of Fatal Accidents (Fat)	2	0.3	
Number of Injury Accidents (Inj)	1	0.2	
Number of \Property Damage Only (PDO) Accidents	31	5.2	
Annual Growth Rate in Accidents (%/year)	2.7%	0.0045	
Pedestrians	Count (No.)	Rate per Year	
Number of Years of Data	6.00		
Existing Conditions			
Total Number of Accidents (Tot)	41	6.8	
Number of Fatal Accidents (Fat)	1	0.2	
Number of Injury Accidents (Inj)	2	0.3	
Number of \Property Damage Only (PDO) Accidents	38	6.3	
Annual Growth Rate in Accidents (%/year)	5.5%	0.009166667	
Safety Countermeasures (improvements to existing facilities only)			
Signalized Intersection		Yes =1	
Pedestrian Countdown Signal Heads		1	

Pedestrian Crossing	1	
Advance Stop Bar before Crosswalk	1	
Install Overpass/Underpass	0	
Unsignalized Intersection		
Raised Medians/Refuge Islands	0	
Pedestrian Crossing (new signs and markings only)	1	
Pedestrian Crossing (safety features/curb extensions)	1	
Pedestrian Signals	0	
Roadways - relevant for pedestrian improvements, such as sidewalks		
Sidewalk/Pathway (to avoid walking along roadway)	1	
Pedestrian Crossing (with enhanced safety features)	1	
Pedestrian Crossing	1	
Other Reduction Factor Countermeasures	1	

1D GENERAL USER CHARACTERISTIC	GENERAL USER CHARACTERISTICS (BASED ON PROJECT LOCATION)			
Cycling				
Trip Purpose	No Build	Build		
Commuting Trip Purpose (%)	19%	19%		
Recreational Trip Purpose (%)	46%	46%		
Other Destinations Trip Purpose (%)	35%	35%		
General Trip Characteristics				
Overall Average Distance Traveled / Trip (mi)	2.29	2.29		
Children - SRTS - Distance Traveled / Trip (mi)	0.99	0.99		
Pedestrian Trip Purpose				
Commuting Trip Purpose (%)	5%	5%		
Recreational Trip Purpose (%)	55%	55%		
Other Destination Trip Purpose (%)	40%	40%		
General Trip Characteristics				
Overall Average Distance Traveled / Trip (mi)	0.68	0.68		
Children - SRTS - Distance Traveled / Trip (mi)	0.63	0.63		

Improvement Characteristics				
New Facility Length	Class	No Build	Build	Project Length
No Facility	0	1		OK
Bike Paths (miles)	1		0	
Bike Lanes (miles)	П		0	-
Bike Route (miles)	III		0	-
Separated Bikeways, Cycle Tracks (miles)	IV		1	-
Total		1	1	
Pedestrian Improvements			Yes =1	
Street Lighting			0	1
Curb Level			0	-
Crowding			0	-
Pavement Evenness			0	-
Information Panels			0	-
Benches			0	-
Directional Signage			0	
Trip Data - Adults				
Cycling		No Build	Build	
Daily Trips - Current		0		
Projected Annual Growth Rates from Year 1 (%)		0%	4%	
Daily Trips - Year 1 (post-construction)		0	0	1
Daily Trips - Year 20 (post-construction)		0	0	-

Pedestrian	
Daily Trips - Current	0
Projected Annual Growth Rates from Year 1 (%)	
Daily Trips - Year 1 (post-construction)	0 0
Daily Trips - Year 20 (post-construction)	0 0
Trip Data - Children - SRTS	
Cycling	No Build Build
Daily Trips - Current	0
Projected Annual Growth Rates from Year 1 (%)	
Daily Trips - Year 1 (post-construction)	0 0
Daily Trips - Year 20 (post-construction)	0 0
Pedestrian	
Daily Trips - Current	0
Projected Annual Growth Rates from Year 1 (%)	
Daily Trips - Year 1 (post-construction)	0 0
Daily Trips - Year 20 (post-construction)	0 0

Enter all project and program costs (in today's dollars) in the two tables shown below. Costs during construction should be entered in the first row. Project costs (including maintenance and operating costs) should be net of costs without project.

1F									
Col. no.									
			DIRECT PROJECT COSTS				TOTAL COST	TOTAL COSTS (in dollars)	
			INITIAL COS	rs	SUBSEQUENT (COSTS			
Year	Construction	Project			Maint./			Constant	Present
nfractructu	Years re Program Costs	Support	R/W	Construction	Op.	Rehab.		Dollars	Value
1	0	\$650.0			< Must enter a	LCOST		\$650,000	\$650,000
2	1	\$050.0		\$25,000.0	S Wust effet a	10031		29,200,000	28,349,515
3	1	ψ+,200.0		\$2,900.0				2,900,000	2,733,528
4	1			\$16,000.0				16,000,000	14,642,267
5	1			\$1,100.0				1,100,000	977,336
6	0			.)				0	0
7	0							0	0
8	0							0	0
nnual Infra	astructure O&M Co	sts							
1					\$168			\$167,500	\$148,822
2					\$168			167,500	144,487
3					\$168			167,500	140,279
4					\$168			167,500	136,193
5					\$168			167,500	132,226
6					\$168			167,500	128,375
7				-	\$168			167,500	124,636
8					\$168			167,500	121,006
9					\$168			167,500	117,481
10					\$168			167,500	114,059
11 12					\$168 \$168			167,500 167,500	110,737 107,512
12					\$168			167,500	107,512
13					\$168			167,500	104,380
14					\$168			167,500	98,389
16					\$168			167,500	95,523
10					\$168			167,500	92,741
18					\$168			167,500	90,040
19					\$168			167,500	87,417
20					\$168			167,500	84,871
Total		\$4,850	\$0	\$45,000	\$3,350	\$0		\$53,200,000	\$49,633,157
				ATP REQUES	TED FUNDS				
Total									

(1G)

PROGRAM COSTS AND REQUESTED FUNDS (enter in thousands of dollars)

ĺ			DIRECT PROJECT COSTS						
			INITIAL COSTS		SUBSEQUENT COSTS		TOTAL COST	S (in dollars)	
	Year	Construction	Project			Maint./		Constant	Present
		Years	Support	R/W	Construction	Op.	Rehab.	Dollars	Value

Non-Infrast	tructure Program C	osts								
1					< Must ente	er a cost			\$0	\$0
2									0	0
3					-		0	0		
4							0	0		
5									0	0
6									0	0
7									0	0
8									0	0
Annual Non-Infrastructure O&M Costs									* *	
1									\$0	\$0
2	-								0	0
4	-								0	0
5									0	0
6									0	0
7									0	0
8									0	0
9									0	0
10									0	0
11	_								0	0
12	_								0	0
13	_								0	0
14	_								0	0
15	_								0	0
16	_								0	0
17	4								0	0
18	_								0	0
19	_								0	0
20									0	0
Total		\$0	\$0	\$0	\$0	\$0			\$0	\$0
	-			ATP REQUES	STED FUNDS					
Total										

IH DATA CHECKS - PROJECT LENGTH, DAILY TRIPS					
	No Build Project Length	Build Project Length			
Existing Facility Length Check New Facility Length Check	OK OK	OK OK			
	Cycling Daily Trips per Mile 1,030	Pedestrian Daily Trips per 7,389			
New Facility Users	0	0			
Existing Facility Characteristics	OK	nıy			
	Existing Facility Length Check New Facility Length Check Existing Facility Users New Facility Users	No Build Project Length Existing Facility Length Check OK New Facility Length Check OK Cycling Daily Trips per Mile Existing Facility Users 1,030 New Facility Users 0 Safety Measures - Existing or			

District: 4	EA:	0
PROJECT: SFMTA - Howard Street Streetscape Project	PPNO:	0
11 NON-INFRASTRUCTURE PROGRAM CHARACT	TERISTICS	
Programmatic Initiatives?	No	
Scale of Initiative Participants / Beneficiaries Numbers of People Reached per Year Average Percentage of Current Active Bicyclists Reached per Year Average Percentage of Current Active Pedestrians Reached per Year		Data Check on Initiative
Scoring Criteria Total Number of Criteria Total Criteria Weight Sum		4 100%
1) Target Audience		Criteria Weight 25%
Indicators Younger than 10 10-12 13-24 25-55 55+ Indicator-Weighted Score	(mark as %; sum must equal 100%)	Indicator Weight 10% 20% 25% 15% 5%
2) Characteristics Promotional Effort		Criteria Weight 25%
Indicators Effort Targets 5 E's or 5 P's Knowledgeable Staff/Educator Partnership/Volunteers Creates Community Ownership/Relationship Part of Bigger Effort (e.g., political support) Indicator-Weighted Score	(enter 1 for Yes on all that apply)	Indicator Weight 5% 5% 5% 5% 5% 5% 5% 5% 5%
		Criteria Weight

3) Type of Impact and Messaging	25%	0
Indicators	(enter 1 for Yes on all that apply) Indicator W	Neig
Outreach is Hands-on (self-efficacy)	5%	
Overcome Barriers (e.g., dist., time, etc.)	5%	,
Eliminates Hazards/Threats (speed, crime, etc.)	5%	
Connected or Addresses Connectivity Challenges	5%	,
Creating Value in Using Active Transportation	5%	,
Indicator-Weighted Score	0	
4) Frequency of Outreach Effort	Criteria W	
Indicators	(enter 1 for Yes for only one option) Indicator W	Weia
One Day	5%	
One Month	10%	
One Year	15%	6
Multiple Years	20%	
Continuous Effort	25%	
Indicator-Weighted Score	0	
Projected New Active Transportation Cyclists		
Number of Potential New Facility Users	0	
Weighted Impact Score of Outreach		
Program Impact Score Years of Outreach	0.0	
Multi-year Program Impact Score		
Cost Effectiveness		
Total Discounted Cost	\$0	
Cost per Program Impact Score		
Projected New Active Transportation Pedestrians		
Number of Potential New Facility Users	0	
Weighted Impact Score of Outreach		
Program Impact Score		
Years of Outreach	0.0	
Multi-year Program Impact Score		
Cost Effectiveness		
Total Discounted Cost	\$0	
Cost per Program Impact Score		

Build - Cycling	Calculated by Model	Changed by User	Used for Proj. Eval.	Reason for Change
Year 1 Annual Trips - Commuting	81,804	_	81,804	
Annual Trips - Other Destinations Annual Trips - Recreational	155.252 202,752		155.252	Recreational Users not Included in Benefits
Users - Commuting Users - Other Destinations	101		101 191	
Users - Recreational Total Miles - Commuting	0 182,424		182,424	Recreational Users not Included in Benefits
Total Miles - Other Destinations Total Miles - Recreational	346,213		346,213 0	Recreational Users not Included in Benefits
Year 20				· · · · · · · · · · · · · · · · · · ·
Trips - Commuting Trips - Other Destinations	179,243 340,177		179,243 340,177	
Trips - Recreational Users - Commuting	444.254		0 220	Recreational Users not Included in Benefits
Users - Other Destinations Users - Recreational	418		418	Recreational Users not Included in Benefits
Total Miles - Commuting Total Miles - Other Destinations	399.713 758.595		399.713	Ned ealional osers not included in benefits
Total Miles - Ciner Destinations	/36,595		758,595 0	Recreational Users not Included in Benefits
uild - Cycling				
Year 1				
Annual Trips - Commuting Annual Trips - Other Destinations	81,804 155,252		81,804 155,252	
Annual Trips - Recreational Users - Commuting	202,752		0	Recreational Users not Included in Benefits
Users - Other Destinations Users - Recreational	191		191	Recreational Users not Included in Benefits
Total Miles - Commuting Total Miles - Other Destinations	182,424 346,213		182,424 346,213	
Total Miles - Recreational	0		0	Recreational Users not Included in Benefits
Year 20 Annual Trins - Commuting	179,243		179,243	
Annual Trips - Commuting Annual Trips - Other Destinations	340,177		340,177	Description of the last of the Description
Annual Trips - Recreational Users - Commuting Users - Other Destinations	444.254 220 418		0 220 418	Recreational Users not Included in Benefits
Users - Other Destinations Users - Recreational Total Miles - Commuting	418 0 399.713		418 0 399.713	Recreational Users not Included in Benefits
Total Miles - Commuting Total Miles - Other Destinations Total Miles - Recreational	399.713 758,595 0		399.713 758,595 0	Recreational Users not Included in Benefits
roa mico - recircatoria			- ·	
ACTIVE TRANSPOR			S - CYCL IN	IG - New Facility Segment
		- LOWE NFUT		comey organism
Duild Outlin	Calculated by Model		Used for Proj. Eval.	Reason for Change
9 Build - Cycling Year 1 Annual Trips - Commuting				
Annual Trips - Other Destinations	0		0	Description of Linear Advisory
Annual Trips - Recreational Users - Commuting	0		0	Recreational Users not Included in Benefits
Users - Other Destinations Users - Recreational	0		0	Recreational Users not Included in Benefits
Total Miles - Commuting Total Miles - Other Destinations	0		0	
Total Miles - Recreational	0		0	Recreational Users not Included in Benefits
Year 20 Trips - Commuting	0		0	
Trips - Other Destinations Trips - Recreational	0		0	Recreational Users not Included in Benefits
Users - Commuting Users - Other Destinations	0		0	
Users - Recreational Total Miles - Commuting	0		0	Recreational Users not Included in Benefits
Total Miles - Other Destinations Total Miles - Recreational	0		0	Recreational Users not Included in Benefits
uild - Cycling Year 1				
Annual Trips - Commuting	0		0	
Annual Trips - Other Destinations Annual Trips - Recreational	0		0	Recreational Users not Included in Benefits
Users - Commuting Users - Other Destinations	0		0	
Users - Recreational Total Miles - Commuting	0		0	Recreational Users not Included in Benefits
Total Miles - Other Destinations Total Miles - Recreational	0		0	Recreational Users not Included in Benefits
Year 20				
Annual Trips - Commuting Annual Trips - Other Destinations	0		0	
Annual Trips - Recreational Users - Commuting	0		0	Recreational Users not Included in Benefits
Users - Other Destinations Users - Recreational	0		0	Recreational Users not Included in Benefits
Total Miles - Commutina Total Miles - Other Destinations Total Miles - Recreational	0		0	
Total Miles - Recreational	0		0	Recreational Users not Included in Benefits
		-		
ACTIVE TRANSPORTA	TION DAILY VOL	UME INPUTS -	CYCLING -	 New Safe Routes To School
ACTIVE TRANSPORTA	Calculated		CYCLING -	- New Safe Routes To School
		Changed	Used for	New Safe Routes To School Reason for Change
b Build - Cycling Year 1	Calculated by Model	Changed	Used for Proj. Eval.	
b Build - Cycling Year 1 Annual Trios - SRTS SRTS Livers	Calculated	Changed	Used for Proj. Eval. 0	
D Build - Cycling Year 1 Annual Trios - SRTS SRTS Users Total Miles - SRTS Year 20	Calculated by Model	Changed	Used for Proj. Eval.	
b Build - Cycling Year 11 ual Trios - SRTS SRTS Users Total Miles - SRTS Year 20 Annual Trips - SRTS	Calculated by Model	Changed	Used for Proj. Eval. 0 0 0	
D Build - Cycling Year 1 Annual Tritos - SRTS SRTS Users Total Miles - SRTS Year 20	Calculated by Model	Changed	Used for Proj. Eval. 0 0	
Build - Cycling Year 1 Annual Trios - SRTS SRTS Users Total Miles - SRTS Year 20 Annual Trips - SRTS SRTS Users Total Miles - SRTS Id - Cycling	Calculated by Model	Changed	Used for Proj. Eval. 0 0 0	
Balid - Crycling Year Annua Tros - SRTS SRTS Uses Total Mike - SRTS Year SRTS Uses Total Mike - SRTS SRTS Uses Total Mike - SRTS idd - Cycling Year Inso Tros - SRTS	Calculated by Model	Changed	Used for Proj. Eval. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
S Build - Cycling Year Tan Trico. SRTS SRTS Unes Total Miles - SRTS Year 20 Annual Trigo - SRTS SRTS Unes Total Miles - SRTS Total Miles - SRTS Mild - Opcling Year 1	Calculated by Model 0 0 0 0	Changed	Used for Proj. Eval. 0 0 0 0 0	
Build-Crycling Year 1 Arnual Trios - SRTS STRTS Uses Total Mass - SRTS Year 20 Arnual Uses Arnual Uses Total Mass - SRTS Satt Super SRTS Uses Total Mass - SRTS SRTS Uses Total Mass - SRTS Year 20	Calculated by Model	Changed	Used for Proj. Eval. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Skild - Ording Year 1 Annua Trios - SRTS SRTS Uses Total Mikes - SRTS Year 20 Annua Trios - SRTS SRTS Uses Total Mikes - SRTS Year 20 Annua Trios - SRTS SRTS Uses Total Mikes - SRTS	Catculated by Model	Changed	Used for Proj. Eval. 0 0 0 0 0 0 0 0 0 0 0 0 0	
Build-Crycling Year 1 Arnual Trios - SRTS STRTS Uses Total Mass - SRTS Year 20 Arnual Uses Arnual Uses Total Mass - SRTS Satt Super SRTS Uses Total Mass - SRTS SRTS Uses Total Mass - SRTS Year 20	Calculated by Model	Changed	Used for Proj. Eval. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Skild - Ording Year 1 Annua Trios - SRTS SRTS Uses Total Mikes - SRTS Year 20 Annua Trios - SRTS SRTS Uses Total Mikes - SRTS Year 20 Annua Trios - SRTS SRTS Uses Total Mikes - SRTS	Catculated by Model	Changed	Used for Proj. Eval. 0 0 0 0 0 0 0 0 0 0 0 0 0	
Build - Cycling Year 1 Arnual Triss - SRTS SYRTS Users Total Mass - SRTS SYRTS Users Total Mass - SRTS SYRTS Users Total Mass - SRTS SYRTS Users Total Mass - SRTS Arnual Trips - SRTS SyRTS Users Total Mass - SRTS Total Mass - SRTS	Calculated by Model 0 0 0 0 0 0 0 0 0 0 0 0 0	Changed by User	Used for Proj. Eval.	
Build - Cycling Year 1 Arnual Triss - SRTS SYRTS Users Total Mass - SRTS SYRTS Users Total Mass - SRTS SYRTS Users Total Mass - SRTS SYRTS Users Total Mass - SRTS Arnual Trips - SRTS SyRTS Users Total Mass - SRTS Total Mass - SRTS	Catculated by Model	Changed by User	Used for Proj. Eval.	Reson for Change
Build-Cycling Year 1 Armat Uses Total Man-SRTS Total Man-SRTS SRTS Uses Total Man-SRTS SRTS Uses Total Man-SRTS Mart Uses Total Man-SRTS Total Man-SRTS SRTS Uses Total Man-SRTS SRTS Uses Total Man-SRTS SRTS Uses Total Man-SRTS SRTS Uses Total Man-SRTS SRTS Uses	Calculated by Model 0 0 0 0 0 0 0 0 0 0 0 0 0	Changed by User	Used for Proj. Eval.	Reson for Change
Build-Crycling War 1 Arruat Trise - SRTS SRTS Uses Total Mars - SRTS Arrange Uses Total Mars - SRTS Arrong Uses Total Mars - SRTS SRTS Uses SRTS Uses Total Mars - SRTS SRTS Uses SRTS Uses SRTS Uses Total Mars - SRTS SRTS Uses SRTS US	Catculated by Model	Changed by User	Used for Proj. Eval.	Reason for Change
Build-Cycling Year 1 Arnual Triss - SRTS SRTS Uses Total Mass - SRTS Year 20 Arnual Uses Arnual Uses Arnual Uses Arnual Uses Arnual Uses SRTS Uses Total Mass - SRTS SRTS Uses SRTS U	Calculated by Model	Changed by User	Used for Proj. Eval.	Reason for Change
belief-Oycing Year 1 Arnual Triss - SRTS SRTS Uses Total Mass - SRTS SRTS Uses Arnual Triss - SRTS SRTS Uses Total Mass - SRTS SRTS Uses SRTS USE SRTS SRTS SRTS USE SRTS SRTS SRTS SRTS SRTS SRTS SRTS SRTS SRTS SRTS SRTS USE SRTS	Calculated by Model	Changed by User	Used for Proj. Eval. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Reason for Change
Build - Cycling Year 1 Armat Use - SRTS Total Mae - SRTS Total Mae - SRTS SRTS Uses Total Mae - SRTS SRTS Uses Total Mae - SRTS SRTS Uses Total Mae - SRTS SRTS Uses Active TRANSPORTAT SRTS Uses Active TRANSPORTAT SRTS Uses SRTS Uses SRTS Uses Total Mae - SRTS SRTS Uses SRTS Uses SRTS SRTS Uses SRTS Uses SRTS SRTS Uses SRTS SRTS Uses SRTS SRTS USES SRTS USES SRTS USES SRTS USES SRTS USES SRTS SRTS USES SRTS SRTS USES SRTS USES SRTS USES SRTS SRTS USES SRTS SRTS USES SRTS SR	Calculated by Model	Changed by User	Used for Proj. Eval. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Reason for Change
Build-Crycling War 1 Arruat Trise - SRTS SRTS Uses Total Mars - SRTS Arrange Uses Total Mars - SRTS Arrange Uses Total Mars - SRTS Arrange Uses Arrange Uses Arrange Uses Arrange Uses Arrange Uses Arrange Uses Arrange Uses Total Mars - SRTS SRTS Uses Arrange Uses Arrange Uses Arrange Uses Total Mars - SRTS SRTS Uses Arrange Uses Ar	Catculated by Model	Changed by User	Used for Proj. Eval.	Reason for Change
Build - Cycling Year 1 Armat Triss - SRTS STTS Uses Total Mars - SRTS Total Mars - SRTS Start Start Marca Uses Total Mars - SRTS SRTS Uses SRTS Uses SRTS Uses SRTS Uses Total Mars - SRTS SRTS Uses Total Mars - SRTS SRTS Uses Total Mars - SRTS SRTS Uses Control Trans- SRTS SRTS Uses SRTS Uses Total Mars - SRTS SRTS Uses SRTS Uses Total Mars - SRTS SRTS Uses SRTS Uses Total Mars - SRTS SRTS Uses SRTS Uses Total Mars - SRTS SRTS Uses	Calculated by Model	Changed by User	Used for Proj. Eval.	Reason for Change
Build - Cycling Year 1 Arran 2010a - SRTS Total Mae - SRTS Total Mae - SRTS SRTS Uses Total Mae - SRTS SRTS Uses Total Mae - SRTS Year 1 Arrang Tips - SRTS SRTS Uses Total Mae - SRTS SRTS Uses SRTS USES	Calculated by Model	Changed by User	Used for Proj. Eval.	Reason for Change
Build - Cycling Year 1 Armat Tiros - SRTS Yea 3 Armat Tiros - SRTS Yea 3 Armat Tiros - SRTS SRTS Uses Total Maes - SRTS Armat Tiros - SRTS Armat Tiros - SRTS Total Maes - SRTS Armat Dises ACTIVE TRANSPORTAT Deutit - Cycling Year 3 ACTIVE TRANSPORTAT Deutit - Cycling Year 3 ACTIVE TRANSPORTAT Deutit - Cycling Year 3 ACTIVE TRANSPORTAT Deutit - Cycling Year 3 ACTIVE SRTS Total Maes - SRTS Total Maes - SRTS Total Maes - SRTS Total Maes - SRTS ACTIVE TRANSPORTAT Deutit - Cycling Year 3 Active - SRTS Active - SR	Calculated by Model	Changed by User	Used for Proj. Eval.	Reason for Change
Build - Ording Fer 1 Armai Tris - SRTS SRTS Uses Tool Mars SRTS Fer 20 Armai Tris - SRTS Armai Tris - SRTS SRTS Uses Tool Mars - SRTS SRTS Uses Tool Mars - SRTS Free 20 Armai Tris - SRTS SRTS Uses Tool Mars - SRTS SRTS USES TOOL MA	Calculated by Model	Changed by User	Used for Proj. Eval.	Reason for Change
Build - Cycling Yar 1 Arnual Tris - SRTS SRTS Uses Total Mass - SRTS Yar 20 Arnual Tris - SRTS SRTS Uses Total Mass - SRTS Article - SRTS SRTS Uses Total Mass - SRTS SRTS Use Total Mass - SRTS SRTS Use Total Mass - SRTS SRTS	Calculated by Model	Changed by User	Used for Proj. Eval.	Reason for Change

2E ACTIVE TRANSPORTATION DAILY VOLUME INPUTS - PEDESTRIAN - Existing Facility Segment Calculated Changed Used for by Model by User Proj. Eval. Reason for Change No Build - Pedestrian o Build - Pedestrian Year 1 Annual Trips - Commuting Annual Trips - Other Destination Annual Trips - Other Destination Users - Commuting Users - Commuting Users - Recreational Total Miles - Commuting Total Miles - Recreational 170,467 1.304.724 1,803,011 222 1,702 170,467 1.304.724 al Users not included in Renefits 222 1,702 1,702 0. Recreational Users not Included in Benefits 243,426 1,863,147 0. Recreational Users not Included in Benefits 243,426 1,863,147 Year 20 Annual Trips - Commuting Annual Trips - Other Destinations Annual Trips - Other Destinations Users - Commuting Users - Recreational Total Miles - Commuting Total Miles - Cher Destinations Total Miles - Recreational 452,298 3,461,822 4.783.925 590 4,516 Г 452,298 3,461,822 not included in Benefit 590 4,516 creational Users not included in Benefits 0 R 645.882 4,943,482 0 R 645.882 4,943,482 reational Users not Included in Benefits Build - Pedestrian Year 1 Annual Trips - Commuting Annual Trips - Other Destinations Annual Trips - Recreational Users - Commuting Users - Recreational Users - Recreational Total Mies - Commuting Total Mies - Other Destinations Total Mies - Recreational 170,467 1,304,724 1,803,011 222 1,702 0 243,426 170,467 1,304,724 creational Users not Included in Benefits 222 creational Users not Included in Benefits 0 243,426 1,863,147 0 243,426 1,863,147 Year 20 Annual Trips - Commuling Annual Trips - Other Destina Annual Trips - Other Destina Users - Recreational Users - Recreational Users - Recreational Total Miles - Commutina Total Miles - Recreational 452,298 3,461,822 4,783.925 590 4,516 452,298 3,461,822 Recreational Users not Included in Benefits 590 4,516 creational Users not Included in Benefits 0 F 645.882 4,943,482 645.882 4,943,482 Users not included in Be

B ACTIVE TRANSPORTATION DAILY VOLUME INPUTS - PEDESTRIAN - New Facility Segment

	Calculated by Model	Used for Proj. Eval.	Reason for Change
Build - Pedestrian lear 1			
ear 1 Annual Trips - Commuting	0	0	1
Annual Trips - Other Destinations	0	0	
Annual Trips - Other Destinations Annual Trips - Recreational	0		Recreational Users not Included in Benefits
Users - Commuting	0	0	Recreational Users not included in benefits
Users - Commung Users - Other Destinations	0	0	
Users - Recreational	0		Recreational Users not Included in Benefits
Total Miles - Commuting	0	0	Recreational Users not included in benefits
Total Miles - Commung Total Miles - Other Destinations	0	0	
Total Miles - Other Destinations	0		Recreational Users not Included in Benefits
Total Miles - Recreational	0	0	Recreational Osers hot included in Benefits
ear 20			
Annual Trips - Commuting	0	0	
Annual Trips - Other Destinations	0	0	
Annual Trips - Recreational	0		Recreational Users not Included in Benefits
Users - Commuting	0	0	
Users - Other Destinations	0	0	
Users - Recreational	0	0	Recreational Users not Included in Benefits
Total Miles - Commuting	0	0	
Total Miles - Other Destinations	0	0	
Total Miles - Recreational	0	0	Recreational Users not Included in Benefits
ld - Pedestrian			
ld - Pedestrian jear 1			
ear 1 Annual Trips - Commuting	0	0	
ear 1 Annual Trips - Commuting Annual Trips - Other Destinations	0	0	
ear 1 Annual Trips - Commuting Annual Trips - Other Destinations Annual Trips - Recreational	0	0	Recreational Users not included in Benefits
ear 1 Annual Trips - Commuting Annual Trips - Other Destinations Annual Trips - Recreational Users - Commuting	0	0	Recreational Users not included in Benefits
ear 1 Annual Trips - Commuting Annual Trips - Other Destinations Annual Trips - Recreational Users - Commuting Users - Other Destinations	0 0 0 0	0 0 0	
ear 1 Annual Trips - Commuting Annual Trips - Other Destinations Annual Trips - Recreational Users - Commuting Users - Recreational Users - Recreational		0 0 0 0	Recreational Users not included in Benefits Recreational Users not included in Benefits
ear 1 Annual Trips - Commuting Annual Trips - Other Solitanations Annual Trips - Recreational Users - Other Destinations Users - Other Destinations Users - Recreational Total Miles - Commuting		0 0 0 0 0 0	
ear 1 Annual Trips - Commuting Annual Trips - Other Destinations Annual Trips - Recreational Users - Commuting Users - Commuting Total Miles - Commuting Total Miles - Other Destinations	0 0 0 0 0 0	0 0 0 0 0 0 0 0	Recreational Users not Included in Benefits
ear 1 Annual Trips - Commuting Annual Trips - Other Solitanations Annual Trips - Recreational Users - Other Destinations Users - Other Destinations Users - Recreational Total Miles - Commuting		0 0 0 0 0 0 0 0	
ear 1 Annual Trips - Commuting Annual Trips - Other Destinations Annual Trips - Recreational Users - Commuting Users - Commuting Total Miles - Commuting Total Miles - Other Destinations	0 0 0 0 0 0	0 0 0 0 0 0 0 0	Recreational Users not Included in Benefits
Car 1 Annual Trips - Commuting Annual Trips - Other Destinations Annual Trips - Recreational Users - Communiting Users - Communiting Users - Recreational Direr Destinations Total Mites - Other Destinations Total Mites - Recreational dest 20	0 0 0 0 0 0	0 0 0 0 0 0 0 0	Recreational Users not Included in Benefits
Arnual Trips - Commuting Arnual Trips - Cher Destinations Arnual Trips - Reconstronal Users - Offer Destinations Users - Recreational Total Miles - Commuting Total Miles - Other Destinations Total Miles - Recreational Catal Miles - Recreational Catal Miles - Recreational Catal Miles - Recreational Catal Miles - Recreational		0 0 0 0 0 0 0 0	Recreational Users not Included in Benefits
Arnual Trips - Commuting Arnual Trips - Other Destinations Arnual Trips - Recreational Users - Commuting Users - Other Destinations Users - Recreational Total Miles - Commuting Arnual Trips - Other Destinations Arnual Arnual Trips - Other Destinations Arnual Arnual Ar			Recreational Users not included in Benefits Recreational Users not included in Benefits
Arnual Trips - Commuting Arnual Trips - Commuting Arnual Trips - Recreational Users - Other Destinations Users - Cher Destinations Total Mes - Other Destinations Total Mes - Other Destinations Total Mes - Accessional Arnual Trips - Commuting Arnual Trips - Commuting Arnual Trips - Commuting Arnual Trips - Commuting			Recreational Users not Included in Benefits
Arnual Trips - Commuting Arnual Trips - Other Destinations Arnual Trips - Other Destinations Users - Other Destinations Users - Other Destinations Users - Recreational Total Mes - Commuting Arnual Trips - Other Benardons Arnual Trips - Other Benardons Arnual Trips - Homereling Arnual Trips - Homereling Arnual Trips - Homereling Arnual Trips - Homereling			Recreational Users not included in Benefits Recreational Users not included in Benefits
Arrual Tiois - Community Arrual Tiois - Community Arrual Tiois - Revealment Users - Community Users - Other Destinations Visers - Other Destinations Total Mises - Other Destinations Total Mises - Community Total Mises - Community Total Mises - Revealment Arrual Tiois - Other Destinations Arrual Tiois - Other Destinations Arrual Tiois - Other Destinations Arrual Tiois - Revealment			Recreational Users not included in Benefits Recreational Users not included in Benefits Recreational Users not included in Benefits
Arnual Trijs - Other Destrations Arnual Trijs - Other Destrations Arnual Trijs - Other Destrations Users - Other Destrations Users - Other Destrations Total Mes - Other Destrations Total Mes - Arecensional Arnual Trips - Commuting Arnual Trips - Commuting Arnual Trips - Commuting Arnual Trips - Commuting Users - Other Destrations Users - Other Destrations Users - Other Destrations			Recreational Users not included in Benefits Recreational Users not included in Benefits
Annual Triss - Communicipal Annual Triss - Charmedia Market Triss - Recreational Users - Other Destinations Users - Other Destinations Users - Other Destinations Total Mees - Other Destinations Total Mees - Recreational Market Triss - Communicipal Annual Triss - Other Destinations Annual Triss - Other Destinations Annual Triss - Other Destinations Meers - Communicipations Meers - Communicipations Meers - Destinations Annual Triss - Meerselional Users - Recreational Users - Meenselional Users - Meerselional Users - Meerselional			Recreational Users not included in Benefits Recreational Users not included in Benefits Recreational Users not included in Benefits
Arnual Trijs - Other Destrations Arnual Trijs - Other Destrations Arnual Trijs - Other Destrations Users - Other Destrations Users - Other Destrations Total Mes - Other Destrations Total Mes - Arecensional Arnual Trips - Commuting Arnual Trips - Commuting Arnual Trips - Commuting Arnual Trips - Commuting Users - Other Destrations Users - Other Destrations Users - Other Destrations			Recreational Users not included in Benefits Recreational Users not included in Benefits Recreational Users not included in Benefits

3 ACTIVE TRANSPORTATION DAILY VOLUME INPUTS - PEDESTRIAN - New Safe Routes To School



(2) ACTIVE TRANSPORTATION DAILY VOLUME INPUTS - PEDESTRIAN - Existing Safe Routes To School



District:

PROJECT: SFMTA - Howard Street Streetscape Project

EA:	ſ
PPNO:	

\supset		ESTMENT ANALYSIS SUMMARY RESULTS				
					T () O	
Life-Cycle Costs (mil. \$)	\$49.6	ITEMIZED BENEFITS (mil. \$)			Total Over 20 Years	Average Annual
Life-Cycle Benefits (mil. \$)	\$88.1	Journey Quality			\$7.8	\$0.4
Net Present Value (mil. \$)	\$38.5	Additional Delay Savings			\$0.0	\$0.0
		Additional Safety Benefits			\$80.3	\$4.0
Benefit / Cost Ratio:	1.8	Health Benefits			\$0.0	\$0.0
		Emission Cost Savings			\$0.0	\$0.0
Rate of Return on Investment:	8.8%	TOTAL BENEFITS			\$88.1	\$4.4
Payback Period:	10 years	SRTS-SPECIFIC BENEFITS (m	il. \$)		r1	
		Journey Quality			N/A	N/A
NON-INFRASTRUCTURE IMPLEMENT		Additional Delay Savings			N/A	N/A
Per Bike Program Impact Score	N/A	Additional Safety Benefits			N/A	N/A
Per Ped Program Impact Score	N/A	TOTAL SRTS BENEFITS			N/A	N/A
			Toi	ns	<u>Value (</u>	<u>mil. \$)</u>
Factors that Differentiate Be	enefits		Total Over	Average	Total Over	Average
and Performance Measu	res	EMISSIONS REDUCTION	20 Years	Annual	20 Years	Annual
		CO Emissions Saved	0	0	\$0.0	\$0.0
Safe Route to School	No	CO ₂ Emissions Saved	0	0	\$0.0	\$0.0
Intersection Improvements on SRTS	No	NO _x Emissions Saved	0	0	\$0.0	\$0.0
Programmatic Initiatives	No	PM _{2.5} Emissions Saved	0	0	\$0.0	\$0.0
Recreational Benefits	0	2.0				
Recreational benefits	<u> </u>			0	AA A	¢0.0
(enter 1 for Yes, 0 for No)		SO _x Emissions Saved	0	0	\$0.0	\$0.0

TOTAL

Existing Facility

С

Year	Constant Dollars	Present Value
1	\$330,030	\$293,227
20	\$875,667	\$443,693
1	\$330,030	\$293,227
2	\$358,747	\$309,459
3	\$387,465	\$324,496
4	\$416,183	\$338,395
5	\$444,901	\$351,209
6	\$473,619	\$362,989
7	\$502,336	\$373,785
8	\$531,054	\$383,645
9	\$559,772	\$392,613
10	\$588,490	\$400,733
11	\$617,207	\$408,047
12	\$645,925	\$414,595
13	\$674,643	\$420,415
14	\$703,361	\$425,545
	****	****

Total		\$7,825,726
20	\$875,667	\$443,693
19	\$846,949	\$442,017
18	\$818,232	\$439,840
17	\$789,514	\$437,135

\$430,019

\$433,871

\$732,078

\$760,796

New Facility

15

16

Year	Constant Dollars	Present Value
1	\$0	\$0
20	\$0	\$0

1	\$0	\$0
2	\$0	\$0
3	\$0	\$0
4	\$0	\$0
5	\$0	\$0

6	\$0	\$0
7	\$0	\$0
8	\$0	\$0
9	\$0	\$0
10	\$0	\$0
11	\$0	\$0
12	\$0	\$0
13	\$0	\$0
14	\$0	\$0
15	\$0	\$0
16	\$0	\$0
17	\$0	\$0
18	\$0	\$0
19	\$0	\$0
20	\$0	\$0





TOTAL

Existing SRTS Facility

Year	Constant Dollars	Present Value
1	\$0	\$0
20	\$0	\$0

1	\$0	\$0	
2	\$0	\$0	
2 3	\$0	\$0	
4	\$0	\$0	
5	\$0	\$0	
6	\$0	\$0	
7	\$0	\$0	
8	\$0	\$0	
9	\$0	\$0	
10	\$0	\$0	
11	\$0	\$0	
12	\$0	\$0	
13	\$0	\$0	
14	\$0	\$0	
15	\$0	\$0	
16	\$0	\$0	
17	\$0	\$0	
18	\$0	\$0	
19	\$0	\$0	
20	\$0	\$0	
Total		\$0	



New SRTS Facility

Year	Constant Dollars	Present Value
1	\$0	\$0
20	\$0	\$0

1	\$0	\$0
2 3	\$0	\$0
3	\$0	\$0
4	\$0	\$0
5	\$0	\$0
6	\$0	\$0
7	\$0	\$0
8	\$0	\$0
9	\$0	\$0
10	\$0	\$0
11	\$0	\$0
12	\$0	\$0
13	\$0	\$0
14	\$0	\$0
15	\$0	\$0
16	\$0	\$0
17	\$0	\$0
18	\$0	\$0
19	\$0	\$0
20	\$0	\$0
Total		\$0



Existing Facility

C

Year	Constant Dollars	Present Value
1	\$0	\$0
20	\$0	\$0

-		
1	\$0	\$0
2	\$0	\$0
3	\$0	\$0
4	\$0	\$0
5	\$0	\$0
6	\$0	\$0
7	\$0	\$0
8	\$0	\$0
9	\$0	\$0
10	\$0	\$0
11	\$0	\$0
12	\$0	\$0
13	\$0	\$0
14	\$0	\$0
15	\$0	\$0
16	\$0	\$0
17	\$0	\$0
18	\$0	\$0
19	\$0	\$0
20	\$0	\$0

Total



TOTAL

\$0

Existing Facility

Year	Constant Dollars	Present Value
1	\$0	\$0
20	\$0	\$0

1

\$0

\$0

2	\$0	\$0
3	\$0	\$0
4	\$0	\$0
5	\$0	\$0
6	\$0	\$0
7	\$0	\$0
8	\$0	\$0
9	\$0	\$0
10	\$0	\$0
11	\$0	\$0
12	\$0	\$0
13	\$0	\$0
14	\$0	\$0
15	\$0	\$0
16	\$0	\$0
17	\$0	\$0
18	\$0	\$0
19	\$0	\$0
20	\$0	\$0
Total		\$0



L



SRTS Benefits Share

Existing Facility

	Dollars	Value
1	\$4,207,016	\$3,737,880
20	\$8,581,644	\$4,348,248
4	¢4.007.040	¢0 707 000
1	\$4,207,016	\$3,737,880
2	\$4,361,146	\$3,761,963
3	\$4,521,668	\$3,786,825
4	\$4,688,875 \$3,812,485	
5	\$4,863,079	\$3,838,960
6	\$5,044,605	\$3,866,270
7	\$5,233,794 \$3,894,43	
8	\$5,431,006	\$3,923,474
9	\$5,636,616	\$3,953,409
10	\$5,851,022	\$3,984,261
11	\$6,074,639	\$4,016,052
12	\$6,307,903	\$4,048,803
13	\$6,551,274	\$4,082,537
14	\$6,805,234	\$4,117,279
15	\$7,070,291	\$4,153,051
16	\$7,346,976	\$4,189,878
17	\$7,635,850	\$4,227,785
18	\$7,937,502	\$4,266,798
19	\$8,252,550	\$4,306,944
20	\$8,581,644	\$4,348,248
Total		\$80,317,336

Existing	Facility
----------	----------

	Share of Cycling Benefits	Share of Ped Benefits	Sum of Benefits
	0.00%	0.00%	
Year	SRTS Cycling Benefits - Present Value		
1	\$0.0	\$0.0	\$0.0
20	\$0.0	\$0.0	\$0.0
1	\$0.0	\$0.0	\$0.0
1 2	\$0.0	\$0.0	\$0.0
3	\$0.0	\$0.0	\$0.0
4	\$0.0	\$0.0	\$0.0
5	\$0.0	\$0.0	\$0.0
6	\$0.0	\$0.0	\$0.0
7	\$0.0	\$0.0	\$0.0
8	\$0.0	\$0.0	\$0.0
9	\$0.0	\$0.0	\$0.0
10	\$0.0	\$0.0	\$0.0
11	\$0.0	\$0.0	\$0.0
12	\$0.0	\$0.0	\$0.0
13	\$0.0	\$0.0	\$0.0
14	\$0.0	\$0.0	\$0.0
15	\$0.0	\$0.0	\$0.0
16	\$0.0	\$0.0	\$0.0
17	\$0.0	\$0.0	\$0.0
18	\$0.0	\$0.0	\$0.0
19	\$0.0	\$0.0	\$0.0
20	\$0.0	\$0.0	\$0.0
Total	\$0	\$0	\$0

Α

REDUCED ACCIDENT BENEFITS - HIGHWAY USERS

Total

	AVERAGE ANNUAL VOLUME		REDUCED VMT	ACCIDENT BENEFITS		
	(trip-miles/yr.)		(veh-miles/yr.)	(\$/yr.)		
Year	Induced Trips, Cycling	Induced Trips, Pedestrians	Induced Trips, Cyclists, Pedestrians	Induced Trips	Constant Dollars	Present Value
1	0	0	0	\$0	\$0	\$0
20	0	0	0	\$0	\$0	\$0
1	0	0	0	\$0	\$0	\$0
2	0	0	0	\$0	\$0	\$0
3	0	0	0	\$0	\$0	\$0
4	0	0	0	\$0	\$0	\$0
5	0	0	0	\$0	\$0	\$0
6	0	0	0	\$0	\$0	\$0
7	0	0	0	\$0	\$0	\$0
8	0	0	0	\$0	\$0	\$0
9	0	0	0	\$0	\$0	\$0
10	0	0	0	\$0	\$0	\$0
11	0	0	0	\$0	\$0	\$0
12	0	0	0	\$0	\$0	\$0
13	0	0	0	\$0	\$0	\$0
14	0	0	0	\$0	\$0	\$0
15	0	0	0	\$0	\$0	\$0
16	0	0	0	\$0	\$0	\$0
17	0	0	0	\$0	\$0	\$0
18	0	0	0	\$0	\$0	\$0
19	0	0	0	\$0	\$0	\$0
20	0	0	0	\$0	\$0	\$0
Total						\$0



Total

Year	Constant Dollars	Present Value
1	\$0	\$0
	**	\$ 0

1	\$0	\$0
2	\$0	\$0
3	\$0	\$0
4	\$0	\$0
5	\$0	\$0
6	\$0	\$0
7	\$0	\$0
8	\$0	\$0
9	\$0	\$0
10	\$0	\$0
11	\$0	\$0
12	\$0	\$0
13	\$0	\$0
14	\$0	\$0
15	\$0	\$0
16	\$0	\$0
17	\$0	\$0
18	\$0	\$0
19	\$0	\$0
20	\$0	\$0

Total

\$0



Existing

Year	Constant Dollars	Present Value
1	\$0	\$0
20	\$0	\$0

1	\$0	\$0
2	\$0	\$0
3	\$0	\$0
4	\$0	\$0
5	\$0	\$0
6	\$0	\$0
7	\$0	\$0
8	\$0	\$0
9	\$0	\$0
10	\$0	\$0
11	\$0	\$0
12	\$0	\$0
13	\$0	\$0
14	\$0	\$0
15	\$0	\$0
16	\$0	\$0
17	\$0	\$0
18	\$0	\$0
19	\$0	\$0
20	\$0	\$0
Total		\$0





New

Year	Constant Dollars	Present Value
1	\$0	\$0
20	\$0	\$0
1	\$0	\$0
2	\$0	\$0
3	\$0	\$0
4	\$0	\$0
5	\$0	\$0
6	\$0	\$0
7	\$0	\$0
8	\$0	\$0
9	\$0	\$0
10	\$0	\$0
11	\$0	\$0
12	\$0	\$0
13	\$0	\$0
14	\$0	\$0
15	\$0	\$0
16	\$0	\$0
17	\$0	\$0
18	\$0	\$0
19	\$0	\$0
20	\$0	\$0
Total		\$0

REDUCED EMISSIONS BENEFITS

Total

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		NUAL VOLUME iles/yr.)	(veh-miles/yr.)	AVERAGE SPEED (mph)	RUNNING EMISSIONS (\$/yr.)		
Year	Induced Trips, Cycling	Induced Trips, Pedestrians	Induced Trips	Induced Trips	Induced Trips	Constant Dollars	Present Value
1	0	0	0	25	\$0	\$0	\$0
20	0	0	0	25	\$0	\$0	\$0
1	0	0	0	25	\$0	\$0	\$0
2	0	0	0	25	\$0	\$0	\$0
3	0	0	0	25	\$0	\$0	\$0
4	0	0	0	25	\$0	\$0	\$0
5	0	0	0	25	\$0	\$0	\$0
6	0	0	0	25	\$0	\$0	\$0
7	0	0	0	25	\$0	\$0	\$0
8	0	0	0	25	\$0	\$0	\$0
9	0	0	0	25	\$0	\$0	\$0
10	0	0	0	25	\$0	\$0	\$0
11	0	0	0	25	\$0	\$0	\$0
12	0	0	0	25	\$0	\$0	\$0
13	0	0	0	25	\$0	\$0	\$0
14	0	0	0	25	\$0	\$0	\$0
15	0	0	0	25	\$0	\$0	\$0
16	0	0	0	25	\$0	\$0	\$0
17	0	0	0	25	\$0	\$0	\$0
18	0	0	0	25	\$0	\$0	\$0
19	0	0	0	25	\$0	\$0	\$0
20	0	0	0	25	\$0	\$0	\$0
Total	Total \$0						

со	CO ₂
0	0
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2018

Tangatakan Kasarata Tangatakan

Selection Tables												recenter detablished (ADDARS (gree)) Monte You 2004										
E	-	Apres	76			-	200	-	And a		-	- Appende	25	1000	with t		100	-	-	ł		
1		1	1.0100 1.00000 1.00000 1.00000000	784-86 00Laim5 6887408	0.3048 0.0040 0.0040 0.0045	0.0000	43058 43052 43052 43052 43052 43052 43052 43052 43055 43055 43055 43055 43055 43055	1.3000 1.1000 1.1707	6.008 6.008 6.008		~~	1	1.7686 0.0008 0.0008	******	0000 0000 0000 0000 0000 0000 0000 0000 0000	0.300A 0.307A 0.307A	0-300M 0-300M 0-300M	6.1401 6.6340 6.6340	0.0048			
		÷	1.3206	604.7568	0.0007	0.00051	63660	00412	6.000K			÷	0.0004			0.30-6 0.30-8	0.0004	4480	0.0041			
		÷.	12013	474.4642 #53.660	0.0400	0.0043	6.00m7	0.0647	1000				0.0447	******	1021	0.00-0	0.0000	6407	0.0042			
		2	1.1885	4367-04 406300-	04775 04768	0-06M	6.00m2 6.00m2	00478 00438	6-06M			12	4-52+5 4-5+56	******	00+0 00+0	0.30-0 0.3000	0-0027 0-0026	6.6460 6.6466	0.3040			
		-	1.0062	2427 Arrival 2457 Arrival	0.0004	6-0627 0-0624	6.0006	0.0044 0.0148	6.06D 6.05D				0.4853	******	64-CN	1,000	0.0004	64411	1,1004			
		-0	111267	ADE7-DE ADE3001- BE7-BER BE7-DE BE7-DE BE7-DE BE8-D		0.0626	6-300M	0-243M 0-242M	1008 1008 1008 1008 1008 1008 1008 1008			- 17 - 18	00012 00020 00020 00020 00020 00020 00020 00020 00020 00020 00020 00020 00020 00020 00020 00020 00020	******	66+8 66+9	1074 1075 1075 1075 1075 1075 1075 1075 1075	0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002	4.042 4.052 4.052 4.052 4.042 4.042 4.042 4.042 4.042 4.042 4.042 4.042	0.0004			
		1	1.1801	Mil Grin	0.0724	0.0625	6-200M	0.000 0.000 0.000 0.000 0.000 0.000	6.05D			30	0.0810		0.024	1 1007	0.0004	6444	1.1067			
		20	11484	ALCONG.	84725	0.0621	6-30055 6-3005e	0.0276	6.052			20	0.0044	******	4424	0.300F	0-04025	6-0484 6-0484	0.0007			
		2	1 1 1 1	1433 8046 347 8028 331 8864 331 2744 343 2744	0.0710	0.0016		1000				34	0443					6.000 6.000 6.000 6.000 6.000 6.000 6.000 6.000	0.004			
		20	11104	11110240	0.0755	6-06-17 6-06-16	6.0000	0.0000	6460 6464			10	64161 64178	******	04224	0.0006	0.0004	6.000 6.00%	0.004			
		2	1.0804	212.6365 306.085s	0.0480	0.00+1	6.0001	0.0004	6.00%			30	04212	******		a 2008.	0.0004	6.00%	2,2004			
		-	1.0481	ADDATE:	0.0475	00013	6.0029	0.0+34 0.0+38	6.0010			12	0.0000		0.020	a 2005.	0.0004	6.085	0.005			
		-	1.0206	2012000 201400 201400 201400 201400 201400 201400 201400 201400 201400	0.0443	1980 1980 1980 1980 1980 1980 1980 1980	6.0009	0.0×10 0.0×67	6.00-0			14	0.6206	******	042-0	0.000K	0.0028	4.007 4.088 4.085 4.085 4.085 4.085 4.085 4.085 4.085 4.085 4.085	0.0004			
		2	0.0001	246.24070 244.7500	0.0458	00010	6.0008	0.0+30	6.00-0			12	0.0044	******	0.0240	0.0004	0.0000	6.080	0.0054			
		-	0.0000	241400 241400 241400 241400	0.0463	0.0011	6.0008	00148	6.00+1			**	0.06421	******	0.020	0.0008	0.0020	6.080	0.0004			
		10	0.0404	2428464	0.0647 0.0645	0.0010	6.0008	0.0144	6.00-0			**	04244	******		0.000	0.0000	6.0003	0.0004			
		-	0.04447	242.4444 243.2454 243.2454 244.2455 244.4455 244.4455 244.4455 244.4455 244.4455 244.4455 244.4455 244.4455 244.4455 244.4455 244.4455 244.4455	ublet ublet		6.0009					-	00102	******	0.020	0.000m		LODO LODO LODO LODO LODO LODO LODO LODO	0.0004			
		2	0.8862	244.4205	ùùlai. ùùla7	0.0010	6.0009	0.0+34 0.0+37	6.00-0 6.00-0			42	0.0001	******	0.020K	0.000m	0-0025	6-00-N	0.0004			
		-	0.8745 0.8670	2442400	0.0640	0.0010	6.0009	44×17 44×17	6.00-0 6.00-0			-	0.4001	******	6430 6430	0.000m 0.000m	0.0004	6.00A	0.0004			
		5	0.8627	2014 15302 2017 2018	0.0450	0.00110	6.0000	0.01.00	6004			2 4	0.4013	******	0.021			6.000				
		66	0.8308	arrana arcana	0.04471	0.0040	6.0001	0.01.42	6.00%			64 65	0.4805	******	642-6 642-0	0.000m	0-0004	6.0001	0.0004			
		2	0.8004	2+64000 824.8087	0.0444	0.0010	6.0000	0.01.65	6.0040 6.0041			0	0.4768 0.4686	******	****	0.000m	0.0004	6-0803 6-0804	0.0004			
		-	0.7649 0.7649 0.7549	AD4 JOHN AD4 JOHN	0.0482	0.00111	6.0000	00145	6.00+1 6.00+1				0.4552	******		0.000m	0.0027	4.0054 4.0057 4.0057 4.0058 4.0059	0.0004			
		83	0.7#00 0.7#00	884.4877 888.68+0	0.0484	0-00+1 0-00+1 0-00+2	6.0000	0.0+16 0.0+16	6.00+1 6.00-0			-	0.4404 0.4362	******	****		0.002 0.002 0.002 0.0030	6.0001	0.0004			
		-	0.7480 0.7481 0.7480	AMARCE AMARCES	0.0716		6.0000	0.0+86 0.0+74 0.0+72	6.000 6.000				0.4210		0.02M			1081 1082 1082 1083 1085 1085 1085 1085	0.005			
		-	0.7900 0.7668	AND AND A	44742	00013	6-300m	44478 44476	6464 6464 6464			42	0.4326	******	6420 6420	0.000K	0.0004	6.08K	0.0005 0.0005 0.0005 0.0005 0.0005			
		29	0.7267	138.62-8 139.6708 139.6627 140.2026 140.6776 141.8716 141.3076 141.2056	0.0746			00×38	6464			36	0.0106	******	0.0241	0.000K	0.0004	6.080				
5	~	1	1.2450	***	27060	0.0001	6-300H	0.0764	6.000		Track .	1	04016	£+225	0.008	2.3000 2.3006	0.0004	6.680 6.66%	0.3000 0.3005 0.3005			
		4	2 + 264	*******	22140	00443	64154	0.25ml	6.64.6			1	0.0000		1440	1.1147	0.0042	6.6441	0.0047			
		÷.	1.0541		23346		60108	0.2040	1110			÷.	0.7048		0.64N	1100	0.0044	1144	1100			
		- 2	1.0100 0.0100 0.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000		12040	0.000		0.1860				- 14	6-6724 0-5340		437-6 42+8	4.467k	0.000 0.0000 0.0000 0.0000 0.000000					
		-	- 17600 - 17600		- 4475	11100	11.02 1.000	*****	1110				1.000		1012	1102	1.1121	1.000				
		-	1.2007		1.8242	0.0201 0.0203 0.0203	6405 6405	0+300 0+204	6.620 6.620			- 14	0.3800	******	6404 6404	0.30 G		6.68K 6.680	0.3082 0.3068 0.3068			
		20	1.0+54 			0.0198 0.0198 0.0198 0.0198	****	0.1000 0.1000	6.0+00 			-	42+0 1 1011		****	1100		6.620 				
		100	0.8068	Contraction Contracti	1,4141	00100	6.0000	11111 11111	6.0-10 6.0-10			1.1	0.2765 0.2645	******	6624 6620			6.65K	0.0052			
		20	0.8267 0.7677	ETA KININ DÉA KIMIN	1.3491 1.3215		6.0000 6.00001	0.0606	6458 6458			20	0.2626 0.2410		0.458	2.35m ² 2.35m ²	0.0054	6.62-3 6.680	0.3080 0.3087 0.3085 0.3085 0.3085 0.3085			
		2	0.76% 0.76%	645.6070 636.1080	12688	00100	6.00MB	4470 4470	6.010 6.010			3.3	02106	******	0.4324 0.4134	0.0000 0.0000	0.000	60-00	0.000			
		2.2	0.6274	6412016 645.4000	1.2008	6646D 6646H	6.00MB		644D 644D			10	0.2018	******	0.4121	0.0004	0.0000	6449 6449				
		1	0.5324	004.8080 042.0850	1.7921 1.798	66+06 66+15	6.0000	0.0453 0.06%	641B			14	0 1800 0 1788		0.800	0.3034 0.3034	0.0068	6.0-CM 6.0-CM	0.3554 0.3555			
		2	0.5340	6732908 678.4706	1120	00110	6.0001	oleti oleti	6410			12	0.1645	******	0.388	0.0012	0.0046	6.0+H	0.0007			
		-	0.8200	681.80-0 685.000- 954.5077	11266	00104	6.0000	0.0004	6.010K			-	01001	******	0.308	1100	0.0056	1000				
		10 10	0.8820 0.8761	676.607 676.675 676.675 676.626 686.626 686.626 686.626 686.200 886.200	10054	0.0406	6.0001	0.0474	6.0+3K 6.0+3K			*2	01438	******	0.34N 0.34B	0.00mm 0.00mm	0.000 0.000	6.00M	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000			
		-	0.4746	004.5201 610.2021	10447	0010	6.0000		6410				01325	******	0.3216			6.081				
		-	GARD CARD	ANY REAL	10004	00100 00100 00110 00110 00110 00110	6.0084	o de la del	64+6 64+6			-	0.0218	******	0.2120	0.005	0.0052	1000				
		5	0.8963 0.8901	8012001 8012000 738.0200 802708 802708 802800 804800 804800 87480 87400 87480 87490 87490 87490 87490 87490 87490 87490 87490 874000 8740000000000	1.2241 1.2417	4058 4058 4058 4058 4058 4058 4058 4058	6.867% 6.867%	iniaal inia26	644B			-	0.1213	******	0.210 0.214	0.3048 0.3048	0.0040	6.0465 6.0401	0.000 0.0007 0.0007 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004			
		20.0	0.4851	POLINIC DI LA COLUMNIA	10020	00160	6.00M		641B 641B			20.0	01100	******	1214			6.00M				
		55	0.4206	674.82-5 mmmmmm	10440	00148 0010	6.0004	22242	6418 6410			44	0.1045	******	0.358	0.000r	0.0064	6.086	0.0001			
		-	0.3841 0.3748	*****	142942	66-05 60-84	64-66 64-111	0.00G 0.00G	640X 6456			-	0.06M 0.06D	******	0.410	8.2-26 8.2-12	0.0674	6.000 6.00%	8.8-65 8.8-67			
		5	0.3624 0.3404		1.1268	0.0210	64178 64191		6.62 G			- 5	00044	******	6-580- 6-620-	12-12	0.0040	6.00% 6.00%	1242			
		-	0.3243 0.3268	*****	12643 12600	0.6242 0.6247	64-03 64-05	8-3204 8-3204	6.620 6.620			-		******	0.14D	2.2-36 2.2-57	0.0048	6.00M	0.242 0.275 0.245 0.245 0.245 0.255 0.255 0.255			
			0.2424	******	1.3680	0.0244	64-07 64-05		6.626			-	0.0404	******	0.8115	0.10-0	0.0047	6.0001	0.3243			
		40 22	0.3424 0.3420		1.2764	0.0200 0.0274 0.0278	64P-04 64P-05 64P-02		6.629 6.6274 6.6675			**	0.0400	******	0.000	1.1008 1.1000	0.0040	6.084 6.085	0.0000			
	-	+	1264	1220-8	4.6347		6.0001		6.000		-		47686	6.0000	0.968	0.000	0.0001	4.680				
1		1	20.0404			0.0001 0.0345 0.0345 0.0345 0.0345						1							0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	1		
1		4	24.3264 24.6824 25.1349	******	3-3063 3-3637 2-8243	6-6304 6-6347 6-66710	ééraik ééraik éérait	0.2058 0.2684	6.630 6.620			÷	1,8245 1,8245 1,8701	******	6476 64+6 6566	0.0000 0.0000 0.0000	0.00071	6.64°0 6.64% 6.68%	0.0002	1		
1		2.2	21 A400 20 AM2		2.5855	0000 0000 0000 0000 0000 0000 0000 0000 0000	64+103 640+20	0.2050	6.624			5	12740		0.000	0.000	0.0058	1111	0.0000	1		
1		10.0	18.800 18.8073 17.3668	******	2,4882 1,8482 1,8482	00102 00102 00104	60-00 60-08 60-08	0.1006 0.1210 0.1268	6.0+00 6.0+00 6.0+00			14	0.0588 0.82+5 0.72+1	******	0.000	0.0006 0.0006 0.0005	0.000 0.000 0.000	6.62-3 6.0-66 6.0-65	0.0004 0.0004 0.0004 0.0004	1		
1		10.0	10.1108 21.0108 20.100		1.3640 1.3640 1.721*	00-00 00065 0007*	6.0000 6.0000	0.0040	64438 64048			14 17 18	0.0040		0.148	1100	0.0007	64+0 6080	0.00×5 0.00×2	1		
1		10	25,4362		12124	00000	6.00KK 6.00M2	0.0664	6.000 6.000			18 20	0.2462		611GH 0.080	0.000F	0.0047	6.000 6.000	0.0072 0.0000 0.0007 0.0000 0.0007 0.0007 0.0077 0.0077 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.00550 0.00550 0.00550 0.00550 0.005500000000	1		
1		222	24.32% 18.2684 12.4369	*****	100002	0.00E8 0.00E8 0.0E74	6.0055 6.0056 6.0075	0.0646	6.00Gr 6.00Gr 6.00N			24 20 20	0.2467 0.2467 0.2100	******	0.1108 0.1308 0.1750	0.000 0.000 0.000	0.0024 0.0024 0.0027	6.000 6.000	0.0007			
1		1.0	0.5306 7.2600 1.170		1.3064	0.0001	6.0087 6.0101	000764	6.000			25	0.3864	******	0.3245	0.00-0	0.0004	6.00% 6.00%	0.004.8			
1		2	7 x 444 7 44274		1.3666	0.0+04 0.0+04 0.0+04	6.0007	0.0424	6.010			1	0.4240	******	0.266	8.30-7 8.30-7	0.0042	6.0045	0.307 0.307 0.307			
1		10	6.000 6.8762 6.8362	******	1.2600 1.2618 1.2680	6-0067 6-0065 6-0065	6.000m 6.0000		6.000 6.000K			20 30 21	0.3748 0.3620 0.3807	******	03300	0.00-6		4.607 4.60% 4.60%	0.0046			
1		20	6.5146		12185	0.0004	6.0000	0.0450 0.0450	6.00M			32 35	0.3064		02121	1104	0.000	6.00% 6.00%	0.004	1		
1		1.1	6.0005 6.7942		1.1840	0.00007 0.00007	6.0087 6.0087	0.0610	1.000 1.000			1	0.2170		0.100 0.100	0.00-7 0.00-8	0.0007	6.085	0.0007 0.0007			
1		1	6.5M4 6.3MH		1.1224 1.1224	60100 60101	6.0087 6.0087	biel biel	6440 6440			12	02674 02678 02674	******	6160 6160	1100	0.000	6.086 6.085	0.007 0.007 0.007 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	L		
1		1	6.01#5 #.880#		1.1368 1.1368	00104	6.0080 6.0080	oleli oleat	6.0+24 6.0+24			-	0.3344		0.1880 0.1786	0.0000	0.0041	6.080	0.0000			
1		1	A.7400 A.8200 A.830*		1.1300 1.1488 1.140 ¹	00105	6.0087 6.0087	00x27 00x27	644K 644K			**	62-CR 62-CR 62-CR	******	4:08 9:08 9:09	0.0026	00000	6.000 6.000	0.0024	L		
1		10	4.1261		11440	00106	0.00MR	0.0400	6.01M			**	0264	-	0.160	0.0008	0.0044	6.000 6.000	0.005			
1		-	A 2000 A 2000 A 1714		11245	00100 00100 00100 00100 00100 00100 00100 00100	6.00MB	0.0044	6.010			-	0.1063	******	0.150 0.140	0.000	0.0045	4 0000 6 0000	0.0004	1		
1		5	A 1210 A 0545		11122	00100	6.0000	0.000	6.0×10 6.0×10			-	0.1005	******	0140	0.000	0.0045	6-000a 6-000a	0.000	1		
		53	1.0248		111202	6040E	6.0006	0.0674	6.64K 6.64D			-	0.2045 0.26M	******	0.15K	0.000E	0.0040	6.00X	0.0007	L		
		5	3.7962 3.6820 3.675*		1.1268 1.1279 1.1399	00100	60101 60101	00000	6.0+0 6.0+0			45. 48. 47	0.2006		01621	0.000 0.000	0.000	6.000 6.000	0.000	1		
		-	1,100		11380	66424	60.00	0.0584	60424 60436			-	01880	******	02121	0.005	0.005	6.085 6.087	0.0053	1		
		-	11000	******	1.1401 1.1400	40421 40428 40428 40428 40428 40428 40428 40428 40428 40428 40428	60118 60118 60100	0.0074 0.0075 0.0075 0.0076 0.0082 00080000000000	644B 644B			40 41 42	0.038 0.046 0.016	******	6260 6278 6267	1.100 1.100 1.100 1.100 1.100 1.100 1.100 1.100	0.0044	4.00% 4.00% 4.00% 4.00% 4.00% 4.00%	0.0001 0.0071 0.0084 0.0084 0.0085 0.0080	1		
					1154	00144	10.05	1111	6.01AL		I.	**	0.1054	******	0.000	0.30M	0.0012	6.00% 6.00%	0.0084	L		
		1	2-0240																			
		***************************************			1.1826 1.7858 1.2068	00154 00160 00106	641-121 642-128 642-29	0.0442 0.0678 0.0548	B B B B B B B B B B B B B B B B B B B				0.0000	******	0.4140	2.2-12 2.2-12 2.2-15	0.0040	6.000 6.000	0.000			

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Tangalatin Konstan Satura 1977 .7512