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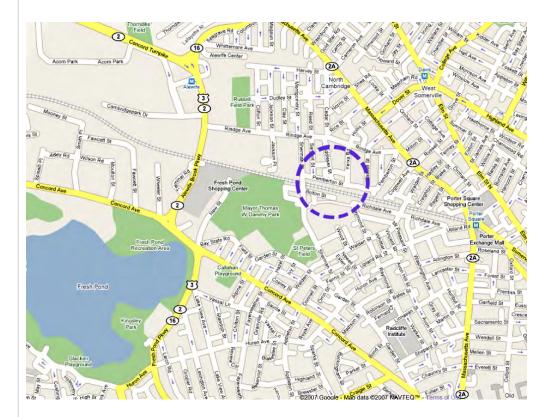
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1.0 Introduction and Study Objective

Crosby Schlessinger Smallridge, LLC has been retained to assist the City of Cambridge with an evaluation of the Yerxa Road Underpass Project. This project, completed in Fall 2006, encompassed physical changes to the underpass and walkway between Pemberton Street and Richdale Avenue in North Cambridge (see Figure 1).

Figure 1: Project Location



The objective of this study is to document the physical changes and to evaluate how these changes have affected the use of the underpass by pedestrians and bicyclists. This data was compared to similar information collected prior to the construction of the improvements. In addition, users of the new underpass were surveyed to obtain opinions on the project. This report details the results of the evaluation.

2.0 Description of Physical Conditions and Community Concerns

2.1 Conditions Prior to Improvement Project

The Fitchburg commuter rail line runs through the North Cambridge community. The rail line services high speed commuter trains and cuts through the North Cambridge community, limiting access for pedestrians and cyclists.

Since 1993, the City of Cambridge and the North Cambridge neighborhood have been planning for safe and direct crossings of the Fitchburg rail line. In 1994 the North Cambridge Railroad Safety Study was commissioned by the Cambridge Community Development Department to study safety issues around the rail line. A committee was formed with representatives from the North Cambridge Stabilization Committee, Walden Square Apartments, Jefferson Park Housing and Fresh Pond Apartments to oversee the progress of the study. In the study, the area of the Yerxa Road underpass was identified as one of three areas where frequent illegal, dangerous track crossings occurred despite the presence of the existing underpass. The lack of visibility from both Pemberton Street and Richdale Avenue to and through the underpass, the lack of an accessible route for pedestrians and bicyclists, and poor drainage conditions resulted in reduced use of the existing underpass and frequent track crossings as demonstrated in the results of the 1993 site observations.

Excluding the Yerxa Road underpass, the closest locations for pedestrians to cross the rail line are at Walden Street (1260' to the east) and Sherman Street (970' to the west). Both of these streets are high volume streets that are not ideal for pedestrians, especially younger school age children who may be traveling alone. Using the underpass, a child living at Walden Square going to school at the Fitzgerald Elementary School has a 1/5 of a mile commute on a quiet residential street. Without the underpass, this child has over a ½ mile commute that includes walking along Sherman Street.

Figure 2: Preconstruction Photos

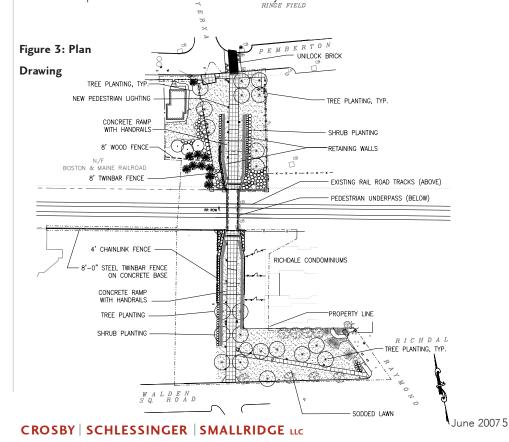




2.2 Conditions with Improvement Project

The newly designed Yerxa Road underpass connects the dense residential areas of Walden Square and Richdale Avenue located on the south side of the tracks with the #83 MBTA bus on Rindge Avenue and numerous community facilities - the Peabody Elementary School, Bergin Park and Playground, McMath Park, and the Gately Youth Center located on the north side of the tracks. In addition, it connects the dense residential area on the north side of the tracks with the recreational facilities at Danehy Park on the south side. The underpass design is fully ADA compliant and safely and comfortably accommodates both pedestrians and cyclists.

The underpass includes a new walkway with lighting and handrails, retaining walls, plantings, a small seating area, attractive steel fencing along both sides of the railroad right of way to prevent people from crossing the tracks, and arts installations at the underpass approach walls, headwall and interior completed through the City's Percent-for -Art program. The underpass was designed to be highly visible from both Pemberton Street and Richdale Avenue, as well as from the approach paths themselves, to provide a safe and comfortable walkway for pedestrians and bicyclists. The long sloping approach paths allow for an efficient route under the tracks as well as an accessible one. The plantings and arts installations provide for a more attractive facility. RINGE FIELD









3.0 Data Collection

This section presents the new data collected in 2007 as the "Post Construction" condition the redesigned and reconstructed Yerxa Road Underpass. Approximately 8 months has elapsed since its completion - enough time for users to adjust. The collected data is in the categories of volume counts and user opinion surveys. The weather on days when the data was collected varied from sunny, good weather to rain. Although the rain most likely affected those making recreational trips, particularly on the weekend, it probably had less of an impact on the weekdays when destinations were more likely to be school or work related. Some preconstruction counts exist for the Yerxa Underpass location, however, they were counts of people actually crossing the tracks and not using the underpass. The counts are summarized below.

3.1 Pedestrian and Bicycle Volumes

Preconstruction Volumes

Counts of pedestrians crossing the railroad tracks at Yerxa Road were taken on November 4, 1993 from 7:50 am to 9:20 am There was a total of 85 people walking across the tracks; 43 of them were school children. Most people were going to the school but a number were going to work, shop or just to take a walk. Most of them indicated that they would be crossing the tracks in the afternoon as well. For the children and adults going to the school, the crossing back was typically between 2:30 pm and 3:00 pm.

Post Construction Volumes

Counts of pedestrians, bicyclists and other users (skaters, strollers) were taken at 3 different times:

Saturday, June 9, 2007 from 10:00 am to 12:00 pm

Tuesday, June 12, 2007 from 7:30 am to 9:30 am

Tuesday, June 12, 2007 from 2:00 pm to 4:00 pm

Note that no one was observed crossing the tracks; all users used the underpass. Volumes and weather information are as shown on Table 1.

Table 1: Pede strian/Bicyclist Voume Data

DATE: Saturda	y, June 9, 2007	TIME: 10:0	0 a.m12:00 p.m.	WEATHE			
Adult Walk	Adult Bike	Teen Walk	Teen Bike	Child Walk	Child Bike	Other	Total
32	10	4	3	15	5	0	69

DATE: Tuesday	y, June 12, 2007	TIME: 7:3	0-9:30 a.m.	WEATHE			
Adult Walk	Adult Bike	Teen Walk	Teen Bike	Child Walk	Child Bike	Other	Total
59	17	12	0	42	10	0	140

DATE: Tuesday	/, June 12, 2007	TIME: 2:0	0-4:00 p.m.	WEATH			
Adult Walk	Adult Bike	Teen Walk	Teen Bike	Child Walk	Child Bike	Other*	Total
28	10	38	6	22	6		114

TOTALS:							
Adult Walk	Adult Bike	Teen Walk	Teen Bike	Child Walk	Child Bike	Other	Overall Total
119	37	54	9	79	21	4	323

* skaters and strollers

3.2 User Survey

In addition to the quantitative data counts, an interview survey was performed of pedestrian and bicycle users of the new underpass to determine the level of satisfaction and user

opinions about the underpass. Users were asked to compare the frequency of their use of the new underpass to the preconstruction underpass, to identify the design characteristics of the new underpass that are most important and to comment on whether or not the new facility encourages users to walk or bicycle rather than drive to their destinations. The surveys were conducted on Saturday, June 9, 2007 from 10:00 am to 12:00 pm, on Tuesday, June 12, 2007 from 2:00 pm to 4:00 pm, and on Saturday, June 28, 2003 from 10:00 am to 12:00 pm. Copies of the completed survey forms are given in Appendix A. The survey was administered by stopping users and asking the questions on the form at the Pemberton Street side of the underpass. A representative sample of users continuing on the path and crossing the street was selected. The number of completed surveys is summarized in Table 2. In total, there were 38 surveyed users including adults, teenagers and children.

4.0 Evaluation of Travel Changes

4.1 Pedestrian Volume Comparisons

Table 1 indicates the volume of pedestrians on the 3 separate times that the counts were taken for the post construction condition. There is no data available for the volume of pedestrians using the underpass in its preconstruction condition. However, there is comparable data for the volume of pedestrians crossing the railroad tracks at grade on a weekday morning from which some conclusions can be made.

On November 4, 1993 from 7:50 am to 9:20 am, 85 people walked across the railroad tracks (43 school children). It is not clear if there were pedestrians also using the preconstruction underpass.

On June 12, 2007 from 7:30 am to 9:30 am, 113 people (52 teenagers or children) walked through the underpass and no one crossed the tracks. Although the total number of pedestrians crossing in this location was greater than in 1993, it is not clear if the difference is due to seasonal differences or a longer count time frame. It is also not known if there were additional pedestrians in 1993 that used the preconstruction underpass. The data clearly shows that the count of pedestrians illegally crossing the tracks rather than using the underpass decreased from 85 in 1993 to 0 in 2007.

Although similar counts were not taken for a weekday afternoon in 1993, many people crossing the tracks at that time said that they would be crossing again in the afternoon when returning from school or work.

4.2 Bicyclist Volume Comparisons

Table 1 indicates the volume of bicyclists on the 3 separate times that the counts were taken for the post construction condition.

On November 4, 1993 from 7:50 am to 9:20 am, no bicyclists crossed the railroad tracks. It is not clear if there were bicyclists using the preconstruction underpass but it is not likely given that the preconstruction underpass had steps and no ramps .

On June 12, 2007 from 7:30 am to 9:30 am, 27 people (10 children) rode bikes through the underpass and no one crossed the tracks. Although the total number of bicyclists crossing in this location was greater than in 1993, it is not known if the difference is due to seasonal differences or access improvements.

4.3 User Survey Results

Table 2 summarizes the results of the user surveys. (Seven questions)

Table 2a: User Survey Results

1. How often did you use the old underpass prior to reconstruction?

	Sever	al time	es/wk.	On	ce a w	eek	Occ	casiona	ally*	Infr	equent	ly**	Never
(Walk/Bike/Both)	w	В	W/B	W	В	W/B	w	В	W/B	W	В	W/B	
Child (7)	3	0	0	1	0	0	1	0	0	0	0	0	2
Teenager (9)	5	1	0	1	0	0	0	0	0	1	0	0	1
Adult (22)	3	0	1	2	0	0	4	0	0	4	0	1	7
Total (38)	11	1	1	4	0	0	5	0	0	5	0	1	10

Table 2b: User Survey Results

2. How often do you walk or bike through the new underpass?

	Seve	al time	es/wk.	On	ce a w	eek	Occ	casiona	ally*	Infr	equent	ly**	Never
(Walk/Bike/Both)	w	В	W/B	W	В	W/B	W	В	W/B	w	В	W/B	
Child (7)	4	0	2	1	0	0	0	0	0	0	0	0	0
Teenager (9)	3	1	3	1	0	0	0	1	0	0	0	0	0
Adult (22)	10	3	3	3	1	0	2	0	0	0	0	0	0
Total (38)	17	4	8	5	1	0	2	1	0	0	0	0	0

^{*} few times per month

^{**} few times per year

Table 2c: User Survey Results

3. Does the new underpass influence your decision to walk or bike rather than drive?

	Yes, frequently	Yes, occasionally	No	N/A
Child (7)	0	0	0	7
Teenager (9)	0	2	6	1
Adult (22)	2	9	11	0
Total (38)	2	11	17	8

Table 2d: User Survey Results

4. Which of the following elements of the underpass are important to you?

		Very Important	Moderately Important	Not Important
Being able to	Child	6	0	1
see through to	Teen	7	2	0
the other side	Adult	19	3	0
	Total	32	5	1
	Child	4	3	0
Lighting	Teen	5	2	2
	Adult	17	2	3
	Total	26	7	5
Being able to	Child	6	1	0
ride a bike	Teen	7	1	1
through	Adult	13	3	6
	Total	26	5	7
	Child	6	1	0
Wide Path	Teen	6	3	0
	Adult	9	11	2
	Total	21	15	2
	Child	2	3	2
Plantings/ Landscape	Teen	4	3	2
	Adult	14	7	1
	Total	20	13	5
	Child	3	1	3
Artwork	Teen	1	5	3
	Adult	16	4	2
	Total	20	10	8

Table 2e: User Survey Results

5. How often did you cross OVER the tracks at grade BEFORE the underpass was reconstructed?

	Often	Occasionally	Never
Child (7)	1	0	6
Teenager (9)	4	0	5
Adult (22)	0	3	19
Total (38)	5	3	30

Table 2f: User Survey Results

6. How often do you cross OVER the track at grade AFTER the underpass was reconstructed?

	Often	Occasionally	Never
Child (7)	0	0	7
Teenager (9)	0	0	9
Adult (22)	0	0	22
Total (38)	0	0	38

7. Do you have any additional comments about the underpass?

All of the additional commments that were made in the survey (21) reflect individuals' positive responses to the project. (See Appendix A, last section)

5.0 Conclusion/Summary

The project met the objective to provide a safe, legal and convenient way for neighbors to cross the railroad tracks. Since the completion of the new underpass, no one has been observed crossing illegally during the survey periods. This is a significant improvement over the previous observation period in 1993 when 85 pedestrians were observed crossing the tracks over a one and a half hour period. The new underpass provides a safe means of passage for many different user groups; school children, commuters, those using the recreational facilities on both sides of the track, and those doing errands on both sides of the track, among others. With its ramped design, the new underpass is also fully accessible and ideal for bicycle use, unlike the old underpass which had steps on both approaches.

Based on the comments that were received on the surveys, the project is well liked in the community. People expressed appreciation for both the aesthetics of the new underpass and the improvements in safety and usability for both pedestrians and bicyclists. Responses to the survey questions indicate that safety and functionality of the facility are slightly more important to the users than the aesthetics of the underpass. The additional comments, however, are mostly directed toward the appearance of the underpass and are all positive.

It appears from the survey responses and from the increase in use of the new underpass over the previously existing one, that the improved design has encouraged more use. It is hoped that the new underpass will continue to facilitate increased pedestrian and bicycle trips and provide a safer link between the facilities and communities on both sides of the tracks.

Child	
Teenager	,
Adult	

1. How often di	d you use the old u	nderpass prior to re	econstruction?	
	a week (few times) per mon (few times/year)	walk walk th walk walk	bike bike bike bike	both both both
2. How often do	you walk or bike tl	hrough the new und	derpass?	
	a week (few times) per mon (few times/year)	walk walk oth walk walk	bike bike bike	both both both
3. Does the new	underpass influenc	e your decision to	walk or bike rather than	drive?
Yes, frequent	:ly Yes, occa	sionally	No	
4. Which of the	following elements	of the underpass a	are important to you?	
Lighting Wide Path Plantings/Landscapin Artwork Being able to see throu Being able to ride a b	g g gh to the other side	ery Important	Moderately Important	Not Important
OftenOccasionallyNever			BEFORE the underpass was r	
Never				
7. Do you have a Beur Police Luls	Should be on	10	inte thru - not not size, internal	- Cars

Child	
Teenager	_
Adult /	

1. How often did you use the old	underpass prior to re	construction?	
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2. How often do you walk or bike	through the new und	erpass?	
Several times a week Once a week Occasionally (few times) per mo Infrequently (few times/year)	walkonth walk walk	bike bike bike	both both both both
3. Does the new underpass influen	nce your decision to w	alk or bike rather than o	drive?
Yes, frequently Yes, occ	casionally	No	
4. Which of the following element	ts of the underpass ar	e important to you?	
Lighting Wide Path Plantings/Landscaping Artwork Being able to see through to the other side Being able to ride a bike through	Very Important	Moderately Important	Not Important
5. How often did you cross OVEROftenOccasionallyNever	the tracks at grade Bi	EFORE the underpass was	s reconstructed?
6. How often do you cross OVER tOftenOccasionallyNever	he track at grade AFT	ER the underpass was re	econstructed?
7. Do you have any additional com	nments about the und	erpass? Juny & estimo	
			

Child	
Teenager	
Adult	

1.	How often did you use the old und	derpass prior to re	construction?	
	Several times a week Once a week Occasionally (few times) per month Infrequently (few times/year)	walk walk walk walk	bike bike bike bike	both both both
2.	How often do you walk or bike thr	ough the new und	erpass?	
	Several times a week Once a week Occasionally (few times) per month Infrequently (few times/year)	walk walk walk	bike bike bike bike	both both both
3. i	Does the new underpass influence	your decision to w	valk or bike rather than o	drive?
	Yes, frequently Yes, occasi	onally	No	
4.	Which of the following elements o	f the underpass ar	e important to you?	
Artwork Being at	g ath gs/Landscaping	ry Important	Moderately Important	Not Important
5.	How often did you cross OVER the Often Occasionally Never	tracks at grade BE	FORE the underpass was	s reconstructed?
6. •	How often do you cross OVER the Often Occasionally Never	track at grade AFT	ER the underpass was re	econstructed?
7. 1	Do you have any additional comme Full or art wo Tusur to park	nts about the unde	erpass?	
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Child_	
Teenager_	
Adult	

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2. How often do you walk or bike	e through the new	underpass?	
Several times a week Once a week Occasionally (few times) per m Infrequently (few times/year)	walk walk nonth walk walk	bike bike bike bike	both both both
3. Does the new underpass influe	nce your decision	to walk or bike rather than c	drive?
Yes, frequently Yes, or	ccasionally	No	
4. Which of the following elemen	nts of the underpas	ss are important to you?	
Lighting Wide Path Plantings/Landscaping Artwork Being able to see through to the other side Being able to ride a bike through 5. How often did you cross OVER Often Occasionally Never 6. How often do you cross OVER Often Occasionally	the tracks at grad		s reconstructed?
7. Do you have any additional con		underpass?	

Child
Teenager
Adult

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2. How often do you walk or bik	e through the ne	ew underpass?	
Several times a week Once a week Occasionally (few times) per r Infrequently (few times/year)		bike	both both both both
3. Does the new underpass influ	ence your decisi	on to walk or bike ra	ther than drive?
Yes, frequently Yes, o	ccasionally	No	
4. Which of the following eleme	nts of the under	pass are important to	o you?
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 5. How often did you cross OVE Often Occasionally Never 	R the tracks at g	rade BEFORE the unc	lerpass was reconstructed
6. How often do you cross OVEROftenOccasionallyMever	the track at gra	de AFTER the under	pass was reconstructed?
7. Do you have any additional co	omments about t	he underpass?	
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Child 2
Teenager
Adult

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2. How often do you walk or bike	through the new und	derpass?	
Several times a week Once a week Occasionally (few times) per m Infrequently (few times/year)		bike bike bike bike	both both both
3. Does the new underpass influe	-	- 4	drive?
Yes, frequently Yes, oc	casionally	No V//+	
4. Which of the following elemen	ts of the underpass a	re important to you?	
Lighting Wide Path Plantings/Landscaping Artwork Being able to see through to the other side Being able to ride a bike through	Very Important	Moderately Important	Not Important
 5. How often did you cross OVER Often Occasionally Never 	the tracks at grade B	EFORE the underpass wa	s reconstructed?
6. How often do you cross OVEROftenOccasionallyNever	the track at grade AF	TER the underpass was re	econstructed?
7. Do you have any additional cor	nments about the und	derpass?	

Child_	
Teenager_	
Adult	1/

						
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Does the new underpass influen	ice you	ur decision to	walk or bi	ke rather th	an dr	ive?
Yes, frequently Yes, occ	asiona	illy	No	_ _		
Which of the following element	ts of th	ne underpass a	re import	ant to you?		
g ath gs/Landscaping k ble to see through to the other side able to ride a bike through	Very II	mportant	Moder	ately Import		Not Important
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Child	
Teenager	
Adult	

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	Several times a week Once a week Occasionally (few times) per Infrequently (few times/year		walk walk walk walk	b b	nike nike nike	both both both both
3. i	Does the new underpass influ	ence you	ur decision to	walk or bike	rather than	n drive?
	Yes, frequently Yes, o	occasiona	ılly	No		
4.	Which of the following eleme	ents of th	ne underpass a	re importar	it to you?	
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5. • •	How often did you cross OVE Often Occasionally Never	R the tra	ocks at grade B	EFORE the	underpass w	vas reconstructed?
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7. 1						
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	-					

Child_	
Teenager_	
Adult	1

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2. How often do you walk or bike	through the new ur	nderpass?	
Several times a week Once a week Occasionally (few times) per mo Infrequently (few times/year)	walk walk onth walk walk	bike bike bike bike	both both both both
3. Does the new underpass influen Yes, frequently Yes, occ	•		\
4. Which of the following element	s of the underpass	are important to you?	
Lighting Wide Path Plantings/Landscaping Artwork Being able to see through to the other side Being able to ride a bike through	Very Important	Moderately Important	Not Important
 5. How often did you cross OVER to Often Occasionally Never 	the tracks at grade	BEFORE the underpass wa	s reconstructed?
 6. How often do you cross OVER t Often Occasionally Never 	he track at grade A	FTER the underpass was r	econstructed?
7. Do you have any additional com Concerned about Old Steps icy (C	bird ankle	not an 155me	
this where			



1. How often did you use the ol	d underpass prior to rec	onstruction?	
Several times a week Once a week Occasionally (few times) per n Infrequently (few times/year)		bike bike bike bike	both both both
2. How often do you walk or bik	e through the new under	rpass?	
Several times a week Once a week Occasionally (few times) per n Infrequently (few times/year)		bike bike bike bike	both both both both
3. Does the new underpass influe	ence your decision to wa	lk or bike rather than	drive?
Yes, frequently Yes, or	ccasionally	No	
4. Which of the following elemen	nts of the underpass are	important to you?	
Lighting Wide Path Plantings/Landscaping Artwork Being able to see through to the other side Being able to ride a bike through	Very Important	Moderately Important	Not Important
5. How often did you cross OVEROftenOccasionallyNever	R the tracks at grade BEF	ORE the underpass wa	as reconstructed?
6. How often do you cross OVEROftenOccasionallyNever			econstructed?
7. Do you have any additional co	mments about the under	be cleuned	

Child_____
Teenager____
Adult____

 How often did you use the old 	underpass prior to re-	construction?	
Several times a week Once a week Occasionally (few times) per mo Infrequently (few times/year)	walk walk onth walk walk	bike bike bike bike	both both both both
2. How often do you walk or bike Several times a week	walk	bike <u>42</u>	both
Once a week Occasionally (few times) per mo Infrequently (few times/year)	walk onth walk walk	bike bike bike	both both both
3. Does the new underpass influer Yes, frequently Yes, oc		alk or bike rather than o	drive?
4. Which of the following elemen	ts of the underpass ar	e important to you?	
Lighting Wide Path Plantings/Landscaping Artwork Being able to see through to the other side Being able to ride a bike through	Very Important	Moderately Important	Not Important
 5. How often did you cross OVER Often Occasionally Never 	the tracks at grade BE	FORE the underpass was	s reconstructed?
 6. How often do you cross OVER t Often Occasionally Never 	the track at grade AFT	ER the underpass was re	econstructed?
7. Do you have any additional con	It 10 minutes	g of pide.	<i>\bar{\bar{\bar{\bar{\bar{\bar{\bar{</i>
Families & Schn	1	Fank Center	tor
Mulus it all pa	so one ru	box book beek	duk of Imalge H
V		V	•

Child	
Teenager	
Adult	

1. How often did you ι	ise the old under	pass prior to re	construction?	
Several times a week Once a week Occasionally (few tin Infrequently (few tin	nes) per month	walk walk walk	bike bike bike	both both both both
2. How often do you w	alk or bike throug	gh the new unde	erpass?	
Several times a week Once a week Occasionally (few tin Infrequently (few tin	nes) per month	walk walk walk walk	bike bike bike	both both both
3. Does the new underp	ass influence you	ur decision to w	alk or bike rather than	drive?
Yes, frequently	_ Yes, occasiona	illy <u>/</u>	No	
4. Which of the followi	ng elements of th	ne underpass arc	e important to you?	
Lighting Wide Path Plantings/Landscaping Artwork Being able to see through to the Being able to ride a bike thro	e other side	paportant	Moderately Important	Not Important
5. How often did you cOftenOccasionallyNever	ross OVER the tra	icks at grade BE	FORE the underpass wa	s reconstructed?
 6. How often do you cr Often Occasionally Never 7. Do you have any add 	itional comments		erpass?	econstructed?
				

Child	
Teenager	
Adult_	•
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1. How often did you use the old	d underpass prior to re	econstruction?	
Several times a week Once a week Occasionally (few times) per m Infrequently (few times/year)	walk	bike bike bike bike	bothbothboth
2. How often do you walk or bike	e through the new und	derpass?	
Several times a week Once a week Occasionally (few times) per m Infrequently (few times/year)	walk walk nonth walk walk	bike bike bike	both both both
3. Does the new underpass influe	ence your decision to v	walk or bike rather than o	drive?
Yes, frequently Yes, oc	ccasionally	No	
4. Which of the following element sighting Vide Path Plantings/Landscaping Artwork Seing able to see through to the other side Seing able to ride a bike through	Very Important	Moderately Important	Not Important
 5. How often did you cross OVER Often Occasionally Never 6. How often do you cross OVER Often Occasionally Never 7. Do you have any additional control 	the track at grade AF	TER the underpass was re	
- Love III Man	1907) 1100.		

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Child_	V
Teenager_	
Adult	

1. How often did you use the old o	underpass prior to I	reconstruction?	
Several times a week Once a week	walk	bike bike	both both
Occasionally (few times) per mo		bike	both
Infrequently (few times/year)	walk	bike	both
2. How often do you walk or bike	through the new ur	nderpass?	
Several times a week	walk	bike bike	both
Once a week Occasionally (few times) per mo	walk nth walk	bike	both
Infrequently (few times/year)	walk	bike	both
3. Does the new underpass influen	ce your decision to	walk or bike rather the	an drive?
Yes, frequently Yes, occ	asionally	No	117
4. Which of the following element	s of the underpass		
ightin g	Very Important	Moderately Importa	ant Not Important
Wide Path			
Plantings/Landscaping			
Artwork Being able to see through to the other side	1		
Being able to ride a bike through			
 5. How often did you cross OVER t Often Occasionally Never 	he tracks at grade	BEFORE the underpass	was reconstructed
 6. How often do you cross OVER the Often Occasionally Never 	-		s reconstructed?
7. Do you have any additional com	ments about the ur	nderpass?	
			<u> </u>
			

Child
Teenager
Adult

1.	How often did you use the old unde	rpass prior to re	construction?	
	Several times a week Once a week Occasionally (few times) per month Infrequently (few times/year)	walk walk walk	bike bike bike bike	both both both both
2.	How often do you walk or bike thro	ugh the new und	erpass?	
	Several times a week Once a week Occasionally (few times) per month Infrequently (few times/year)	walk walk walk	bike bike bike bike	both both both both
3. [Poes the new underpass influence your yes, frequently Yes, occasion		No (note	an drive?
4.	Which of the following elements of t	the underpass ar	e important to you?	
Artwork Being at	g	Important	Moderately Importa	Not Important
6.	How often did you cross OVER the tre Often Occasionally Never How often do you cross OVER the tre Often Occasionally Never Do you have any additional comment	ack at grade AFT	ER the underpass was	

Child
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Adult

1. How often did you use the ol	d under	pass prior to re	construc	tion?	
Several times a week Once a week Occasionally (few times) per n Infrequently (few times/year)		walk walk walk		bike bike bike bike	both both both both
2. How often do you walk or bik	e throug	gh the new und	erpass?		
Several times a week Once a week Occasionally (few times) per n Infrequently (few times/year)		walk walk walk walk		bike bike bike bike	bothbothboth
3. Does the new underpass influ	ence you	ur decision to v	valk or bi	ke rather tha	n drive?
Yes, frequently Yes, o	ccasiona	illy	No	_	7
4. Which of the following eleme	nts of th	ne underpass ai	re import	ant to you?	
Lighting Wide Path Plantings/Landscaping Artwork Being able to see through to the other side Being able to ride a bike through		mportant	Moder	ately Importa	Not Important
5. How often did you cross OVEIOftenOccasionallyMever	R the tra	acks at grade B	EFORE th	e underpass v	was reconstructed
6. How often do you cross OVEROftenOccasionallyNever	the tra	ck at grade AF	TER the u	ınderpass wa	s reconstructed?
7. Do you have any additional co	mments	about the und	lerpass?		
			-		
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Child	
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1. How often did you use the old	underpass prior to re	econstruction?	
Several times a week Once a week Occasionally (few times) per me Infrequently (few times/year)	walk onth walk walk	bike bike bike bike	both both both
2. How often do you walk or bike	through the new und	derpass?	
Several times a week Once a week Occasionally (few times) per m Infrequently (few times/year)	walk walk onth walk walk	bike bike bike bike	both both both
3. Does the new underpass influen	nce your decision to v	walk or bike rather than o	drive?
Yes, frequently Yes, oc	casionally	No	
4. Which of the following elemen	ts of the underpass a	re important to you?	
Lighting Wide Path Plantings/Landscaping Artwork Being able to see through to the other side Being able to ride a bike through	Very Important	Moderately Important	Not Important
5. How often did you cross OVEROftenOccasionallyNever	the tracks at grade B	EFORE the underpass wa	s reconstructed?
 6. How often do you cross OVER Often Occasionally Never 	the track at grade AF	TER the underpass was re	econstructed?
7. Do you have any additional con	nments about the und	derpass?	
		 	
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Child
Teenager
Adult

1. How often did you use the	old undei	rpass prior to r	econstruct	ion?	
Several times a week		walk		bike	both
Once a week		walk		bike	both
Occasionally (few times) per		walk		bike	both
Infrequently (few times/yea	r)	walk		bike	both
2. How often do you walk or b	ike throu	gh the new un	derpass?		
Several times a week		walk		bike	both
Once a week		walk		bike	both
Occasionally (few times) per		walk walk		bike bike	both both
Infrequently (few times/yea	r)	walk		DIKE	DOU1
3. Does the new underpass infl	uence yo	our decision to	walk or bik	e rather th	an drive?
Yes, frequently Yes,	occasion	ally	No	- N	M
4. Which of the following elem	ents of t	he underpass	are importa	int to you?	
	Very	Important	Modera	tely import	ant Not Important
Lighting					
Wide Path Plantings/Landscaping					
Artwork					
Being able to see through to the other si	ide				
Being able to ride a bike through					
5. How often did you cross OVOften	ER the tr	acks at grade	BEFORE the	underpass	was reconstructed?
Occasionally Never					
• HEAGI					
6. How often do you cross OVEOften	ER the tra	ack at grade Al	TER the ur	nderpass w	as reconstructed?
 Occasionally 					
• Never					
7. Do you have any additional o	comment	s about the un	dernass?		
77 Do you have any additional t		s about the an	dei pussi		

Child	
Teenager	
Adult	

1. 1	How often did you use the old	underpass prior (to reconstruction?	
(Several times a week Once a week Occasionally (few times) per mo Infrequently (few times/year)	walk walk nth walk walk	bike bike bike bike	both both both both
2. H	low often do you walk or bike	through the new	underpass?	
(Several times a week Once a week Occasionally (few times) per mo Infrequently (few times/year)	walk walk nth walk walk	bike	both both both
3. D	oes the new underpass influen	ce your decision	to walk or bike rather the	an drive?
`	Yes, frequently Yes, occ	asionally	No	
4. V	Which of the following element	s of the underpa	ss are important to you?	
Artwork Being abl	th s/Landscaping	Very Important	Moderately Importa	ant Not Important
• (How often did you cross OVER t Often Occasionally Never	he tracks at grac	de BEFORE the underpass	was reconstructed?
• (How often do you cross OVER th Often Oc <u>casio</u> nally Never	ne track at grade	AFTER the underpass wa	s reconstructed?
7. D -	o you have any additional common better in Crand whom flowed flower	ments about the	underpass? Bether archyrte for Senjors in	hunce hugh rise
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Child	_
Teenager	
Adult	

1.	How often did you use the old t	underp	ass prior to re	construc	tion?		
	Several times a week		walk		bike		both
	Once a week		walk		bike		both
	Occasionally (few times) per mo	nth	walk		bike		both
	Infrequently (few times/year)		walk		bike		both
2.	How often do you walk or bike t	throug	h the new und	erpass?			
	Several times a week		walk <u>/</u> _		bike		both
	Once a week		walk		bike		both
	Occasionally (few times) per mo	nth	walk		bike		both both
	Infrequently (few times/year)		walk		bike		DOCII
3.	Does the new underpass influen			,	ke rather th	an d	rive?
	Yes, frequently Yes, occ	asional	lly	No_			
4.	Which of the following element	s of th	e underpass ar	e import	ant to you?		
		Very In	npertant	Modera	ately Import	ant	Not Important
Lightin Wide P							
	ngs/Landscaping						
Artwor	-						
	ble to see through to the other side	<u> </u>					
Being a	able to ride a bike through	1					
5.	How often did you cross OVER t Often Occasionally Never	he tra	cks at grade Bl	EFORE th	e underpass	was	reconstructed?
٠	How often do you cross OVER the Often Occasionally		-		nderpass wa	as re	constructed?
7.	Do you have any additional com	P COL	about the und	erpass:	hoor hood		
	Mean less gire	g) to 19	1				
		y					
							

Child
Teenager
Adult _

1. How often did you use the old	underpass prior to r	econstruction?	
Several times a week Once a week Occasionally (few times) per mo Infrequently (few times/year)	walk_i walk onth walk walk	bike bike bike bike	both both both
2. How often do you walk or bike	through the new un	derpass?	
Several times a week Once a week Occasionally (few times) per mo	walkonth walkwalk	bike bike bike bike	both both both
3. Does the new underpass influer	nce your decision to	walk or bike rather than	drive?
Yes, frequently Yes, occ	casionally	No	
4. Which of the following element	ts of the underpass a	are important to you?	
Lighting Wide Path Plantings/Landscaping Artwork Being able to see through to the other side Being able to ride a bike through	Very Important	Moderately Important	Not Important
 5. How often did you cross OVER to Often Occasionally Never 	the tracks at grade E	BEFORE the underpass wa	s reconstructed?
6. How often do you cross OVER tOftenOccasionallyMéver	he track at grade AF	TER the underpass was re	econstructed?
7. Do you have any additional com	ments about the un	derpass?	
	· · · · · · · · · · · · · · · · · · ·		
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Child_	
Teenager_	<u></u>
Adult	

1.	How often did you use the old u	nderpass prior to re	construction?	
	Several times a week Once a week Occasionally (few times) per mon Infrequently (few times/year)	walk walk th walk walk	bike bike bike bike	both both both
2.	How often do you walk or bike th	nrough the new unde	erpass?	_
	Several times a week Once a week Occasionally (few times) per mon Infrequently (few times/year)	walk walk th walk walk	bike bike bike bike	both both both
3.	Does the new underpass influence	e your decision to w	alk or bike rather than	drive?
	Yes, frequently Yes, occa	sionally	No	
4.	Which of the following elements	of the underpass are	e important to you?	
Artwork Being ab	g ath gs/Landscaping	ery Impertant	Moderately Important	Not Important
5. • (How often did you cross OVER th Often Occasionally Never	e tracks at grade BE	FORE the underpass wa	s reconstructed?
•	How often do you cross OVER the Often Occasionally Never Do you have any additional comm	- -	·	econstructed?
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Child_______
Teenager_____
Adult_____

1.	How often did you use the old	underpass prior to re	construction?	
	Several times a week Once a week Occasionally (few times) per mo Infrequently (few times/year)	walk walk onth walk walk	bike bike bike bike	both both both
2.	How often do you walk or bike	through the new und	erpass?	lival re
	Several times a week Once a week Occasionally (few times) per mo Infrequently (few times/year)	walk walk onth walk walk	bike bike bike bike	both both both
3.	Does the new underpass influer	nce your decision to w	<i>.</i>	
	Yes, frequently Yes, occ	casionally <u>'</u>	No/ (no	car)
4.	Which of the following element	ts of the underpass ar	e important to you?	
Artwork Being at	ath gs/Landscaping	Very Important	Moderately Importa	ant Not Important
5.	How often did you cross OVER of Often Occasionally Never	the tracks at grade BE	FORE the underpass	was reconstructed?
6.	How often do you cross OVER t Often Occasionally Never	he track at grade AFT	ER the underpass wa	s reconstructed?
7.	Do you have any additional com	nments about the unde	erpass?	N. (1

Child	,
Teenager	/
Adult	

1. How often did you use the	old underpass prior to recor	nstruction?	
Several times a week Once a week Occasionally (few times) per		bike bike bike bike	both both both
	Never	just mare	od here
2. How often do you walk or bil	ce through the new underpa		
Several times a week Once a week Occasionally (few times) per Infrequently (few times/year		bike bike bike bike	bothbothboth
3. Does the new underpass influ	ence your decision to walk	or bike rather than dri	ive?
Yes, frequently Yes	, occasionally	No	VA
4. Which of the following eleme	ents of the underpass are im	portant to you?	
	Very Important	Moderately Importa	nt Not Importan
hting de Path ntings/Landscaping work ng able to see through to the other s ng able to ride a bike through	ide /		
5. How often did you cross OVE Often Occasionally Never woold	ER the tracks at grade BEFC		s reconstructed?
How often do you cross OVE Often Occasionally			constructed?
Never			
7. Do you have any additional co		ass?	
-			

walk

Child ,	
Teenager \	
Adult	

	nderpass prior to reco	mod doctori.	
Several times a week	walk/	bike	both
Once a week	walk_	bike	both
Occasionally (few times) per mor	nth walk	bike	both
Infrequently (few times/year)	walk	bike	both
2. How often do you walk or bike the	rough the new underp	pass?	
Several times a week	walk	bike	both
Once a week	walk_	bike	both
Occasionally (few times) per mor		bike	both
Infrequently (few times/year)	walk	bike	both
3. Does the new underpass influence	your decision to walk	or bike rather than drive	?
Yes, frequently Yes, occ	2242200	No /	
res, frequently res, occ	asionally	No	
4. Which of the following elements of	of the underpass are in	mportant to you?	
	Very Important	Moderately Important	Not Importan
ahtina	The state of the s	moderately important	Nochimportal
ghting			Volimportal
ide Path			- Toomportan
ide Path antings/Landscaping			
ide Path antings/Landscaping twork			
ide Path antings/Landscaping twork ing able to see through to the other side			
ide Path antings/Landscaping twork			
ide Path antings/Landscaping twork ing able to see through to the other side ping able to ride a bike through 5. How often did you cross OVER the	e tracks at grade BEFO		
ide Path antings/Landscaping twork sing able to see through to the other side sing able to ride a bike through 5. How often did you cross OVER the Often	e tracks at grade BEFC		
ide Path antings/Landscaping twork ing able to see through to the other side eing able to ride a bike through 5. How often did you cross OVER the Often Occasionally	e tracks at grade BEFC		
ide Path antings/Landscaping twork ing able to see through to the other side eing able to ride a bike through 5. How often did you cross OVER the Often Occasionally	e tracks at grade BEFC		
ide Path antings/Landscaping twork sing able to see through to the other side sing able to ride a bike through 5. How often did you cross OVER the Often	e tracks at grade BEFO		
ide Path antings/Landscaping twork ing able to see through to the other side eing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never		DRE the underpass was re	econstructed?
ide Path antings/Landscaping twork ing able to see through to the other side eing able to ride a bike through 5. How often did you cross OVER the Often Occasionally		DRE the underpass was re	econstructed?
ide Path antings/Landscaping twork ing able to see through to the other side sing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often		DRE the underpass was re	econstructed?
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Octasionally Octasionally		DRE the underpass was re	econstructed?
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never Never	track at grade AFTER	DRE the underpass was re	econstructed?
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Octasionally Octasionally	track at grade AFTER	DRE the underpass was re	econstructed?
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never Never	track at grade AFTER	DRE the underpass was re	econstructed?
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never Never	track at grade AFTER	DRE the underpass was re	econstructed?

bike

Child	
Teenager	V
Adult	

	nderpass prior to rec	onstruction:	
Several times a week	walk V	bike	both
Once a week	walk	bike	both
Occasionally (few times) per mor		bike	both
Infrequently (few times/year)	walk	bike	both
How often do you walk or bike thi	rough the new under	pass?	
	3	p. 400 .	/
Several times a week	walk	bike	both ·
Once a week	walk	bike	both
Occasionally (few times) per mor	nth walk	bike	both
Infrequently (few times/year)	walk	bike	both
3. Does the new underpass influence	your decision to wal	lk or bike rather than drive	?
Yes, frequentlyYes, occ	asionally	No	
	of the underpass are Very Important	important to you? Moderately Important	Not Importar
ghting /ide Path			<u> </u>
lantings/Landscaping			
rtwork			
eing able to see through to the other side	V		
eing able to ride a bike through	V		
eing able to ride a bike through	V		
5. How often did you cross OVER the Often Occasionally Never	e tracks at grade BEF	ORE the underpass was re	constructed?
5. How often did you cross OVER the Often Occasionally			
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally	track at grade AFTE	R the underpass was recon	
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never	track at grade AFTE	R the underpass was recon	
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never	track at grade AFTE	R the underpass was recon	

walk

Child	
Teenager	/
Adult	

1.	the first terms are the	The second section of		
	How often did you use the old u	inderpass prior to re	construction?	
	Several times a week	walk /	bike	both
	Once a week	walk	bike	both
	Occasionally (few times) per mo	nth walk	bike	both
	Infrequently (few times/year)	walk	bike	both
2.	How often do you walk or bike th	rough the new unde	rpass?	
	Several times a week	walk_	bike	both
	Once a week	walk	bike	both
	Occasionally (few times) per mo		bike	both
	Infrequently (few times/year)	walk	bike	both
3. [Does the new underpass influence	e your decision to wa	alk or bike rather than drive?	?
	Yes, frequently Yes, occ	racionally	No V	
	res, requertiy res, occ	asionally	110	
	William Called and a language	ra C		
4.	Which of the following elements	or the underpass are	important to you?	
منفطسة		Very Important	Moderately Important	Not Importan
ighting Vide P				
	gs/Landscaping			
rtwork				
	ble to see through to the other side			
	ble to ride a bike through			
5.5				
5/	How often did you cross OVER th Often Occasionally Never	e tracks at grade BE	FORE the underpass was re	constructed?
:	Often Occasionally			
6.1	Often Occasionally Never How often do you cross OVER the Often Occasionally Never Do you have any additional comm	e track at grade AFTI	ER the underpass was recon rpass?	
6.1	Often Occasionally Never How often do you cross OVER the Often Occasionally Never	e track at grade AFTI	ER the underpass was recon	
6.1	Often Occasionally Never How often do you cross OVER the Often Occasionally Never Do you have any additional comm	e track at grade AFTI	ER the underpass was recon rpass?	
6.1	Often Occasionally Never How often do you cross OVER the Often Occasionally Never Do you have any additional comm	e track at grade AFTI	ER the underpass was recon rpass?	

walls

Child	
Teenager	
Adult	/

How often did you use the old				
Several times a week		walk	bike	both
Once a week	0.5	walk	bike	both
Occasionally (few times) per m	onth	walk	bike	both
Infrequently (few times/year)		walk	bike	both
wever ju	st m	ared		
2. How often do you walk or bike	through	the new unde	erpass?	
Several times a week		walk	bike	both
Once a week		walk_	bike	both
Occasionally (few times) per m	onth	walk	bike	both
Infrequently (few times/year)		walk	bike	both
3. Does the new underpass influen	ce vour	decision to wa	alk or hike rather than driv	·•?
				G;
Yes, frequentlyYes, o	ccasion	ally	No	
4. Which of the following elements	s of the	underpass are	important to you?	
	Very I	mportant	Moderately Importan	t Not Importa
ghting	Very I	mportant	Moderately Importan	t Not Importa
ide Path	Very I	mportant	Moderately Importan	t Not Importa
ide Path antings/Landscaping	Very I	mportant	Moderately Importan	Not Importa
ide Path antings/Landscaping twork		mportant	Moderately Importan	Not Importa
ide Path antings/Landscaping twork ing able to see through to the other side		mportant	Moderately Importan	Not Importa
ide Path antings/Landscaping twork		mportant	Moderately Importan	Not Importa
ide Path antings/Landscaping twork ing able to see through to the other side eing able to ride a bike through	, <u> </u>			
ide Path antings/Landscaping twork ing able to see through to the other side	, <u> </u>			
ide Path antings/Landscaping twork ing able to see through to the other side eing able to ride a bike through 5. How often did you cross OVER to	, <u> </u>			
ide Path antings/Landscaping twork ing able to see through to the other side ting able to ride a bike through 5. How often did you cross OVER to Often	, <u> </u>			
ide Path antings/Landscaping twork ing able to see through to the other side sing able to ride a bike through 5. How often did you cross OVER t Often Occasionally	, <u> </u>			
ide Path antings/Landscaping twork ing able to see through to the other side eing able to ride a bike through 5. How often did you cross OVER to Often Occasionally Never	the track	ks at grade BE	FORE the underpass was	reconstructed?
ide Path antings/Landscaping twork ing able to see through to the other side eing able to ride a bike through 5. How often did you cross OVER to Often Occasionally Never 6. How often do you cross OVER the	the track	ks at grade BE	FORE the underpass was	reconstructed?
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER to Often Occasionally Never 6. How often do you cross OVER the	the track	ks at grade BE	FORE the underpass was	reconstructed?
ide Path antings/Landscaping twork ing able to see through to the other side eing able to ride a bike through 5. How often did you cross OVER to Often Occasionally Never 6. How often do you cross OVER the Often Occasionally	the track	ks at grade BE	FORE the underpass was	reconstructed?
ide Path antings/Landscaping twork ing able to see through to the other side eing able to ride a bike through 5. How often did you cross OVER to Often Occasionally Never 6. How often do you cross OVER the	the track	ks at grade BE	FORE the underpass was	reconstructed?
ide Path antings/Landscaping twork ing able to see through to the other side eing able to ride a bike through 5. How often did you cross OVER to Often Occasionally Never 6. How often do you cross OVER the Often Occasionally	the track	ks at grade BE	FORE the underpass was	reconstructed?
ide Path antings/Landscaping twork ing able to see through to the other side sing able to ride a bike through 5. How often did you cross OVER to Often Occasionally Never 6. How often do you cross OVER to Often Occasionally Never 7. Do you have any additional come	the track	ks at grade BE at grade AFTI	FORE the underpass was	reconstructed?
ide Path antings/Landscaping twork ing able to see through to the other side sing able to ride a bike through 5. How often did you cross OVER to Often Occasionally Never 6. How often do you cross OVER to Often Occasionally Never 7. Do you have any additional come	the track	ks at grade BE at grade AFTI	FORE the underpass was	reconstructed?
ide Path antings/Landscaping twork ing able to see through to the other side sing able to ride a bike through 5. How often did you cross OVER to Often Occasionally Never 6. How often do you cross OVER to Often Occasionally Never	the track	ks at grade BE at grade AFTI	FORE the underpass was	reconstructed?

Child	
Teenager	1
Adult	\checkmark

Several times a week	walk		both
Once a week	walk		both
Occasionally (few times) per m		_ bike	both
Infrequently (few times/year)	walk	bike	both
Dever			
2. How often do you walk or bike	through the new u	inderpass?	
Several times a week	walk		both
Once a week	walk	bike	both
Occasionally (few times) per m		bike	both
Infrequently (few times/year)	walk	_ bike	both
3. Does the new underpass influen	nce your decision to	o walk or bike rather than drive	?
Yes, frequently Yes, o	occasionally	No V	
100,0	ccasionary	110_2	
4. Which of the following element:	s of the underpass	are important to you?	
Times of the following clement			
ighting	Very Important	Moderately Important	Not Importan
Vide Path			
Plantings/Landscaping			1
Artwork	7		1
Being able to see through to the other side		1/	
Being able to ride a bike through			
5. How often did you cross OVER	the tracks at grade	BEFORE the underpass was r	econstructed?
Often	the tracks at grade	BEFORE the underpass was r	econstructed?
OftenOccasionally	the tracks at grade	BEFORE the underpass was r	econstructed?
Often	the tracks at grade	BEFORE the underpass was r	econstructed?
Occasionally Never			
Occasionally Never here How often do you cross OVER to			
Often Occasionally Never 6. How often do you cross OVER the			
Occasionally Never here How often do you cross OVER to			
Often Occasionally Never 6. How often do you cross OVER to Often Occasionally	he track at grade A	AFTER the underpass was reco	
Often Occasionally Never 6. How often do you cross OVER to Often Occasionally Never	he track at grade A	AFTER the underpass was reco	
Often Occasionally Never 6. How often do you cross OVER to Often Occasionally Never	he track at grade A	AFTER the underpass was reco	

walking

Child	
Teenager	
Adult	V

 How often did you use the old un 	derpass prior to reco	onstruction?	
Several times a week	walk	bike	hash
Once a week	walk	bike	both
Occasionally (few times) per mon		bike	both
Infrequently (few times/year)	walk V	bike	both
	work	DIKE	DOUI
2. How often do you walk or bike thre	ough the new underp	pass?	
Several times a week	walk	bike	both
Once a week	walk	bike	both
Occasionally (few times) per mont	th walk	bike	both
Infrequently (few times/year)	walk	bike	both
3. Does the new underpass influence	your decision to walk	or bike rather than dri	ve?
Yes, frequently Yes, occa	sionally	No V	
103, 100,000	isionally	Ch	oose to
		4	lav 1
4. Which of the following elements of	f the underpass are in	mportant to you?	us vary
1	familian estant		
hting	ery Important	Moderately Importa	nt Not Importa
de Path			
ntings/Landscaping			-
work			7
ng able to see through to the other side			
ng able to ride a bike through			
5 How often did you cross OVED the	tracks at areada DEE		
5. How often did you cross OVER the	tracks at grade bery	JRE the underpass was	reconstructed?
Often	tracks at grade BEF	JRE the underpass was	reconstructed?
Often Occasionally	tracks at grade bery	ORE the underpass was	reconstructed?
Often	tracks at grade bery	OKE the underpass was	reconstructed?
Often Occasionally	tracks at grade bery	JRE the underpass was	reconstructed?
OftenOccasionallyNever			
OftenOccasionallyNever			
 Often Occasionally Never 6. How often do you cross OVER the			
 Often Occasionally Never 6. How often do you cross OVER the soften			
Often Occasionally Never Mever Often Occasionally Never Never Never	track at grade AFTER	R the underpass was red	
Often Occasionally Never 6. How often do you cross OVER the solution of the	track at grade AFTER	R the underpass was red	constructed?
Often Occasionally Never 6. How often do you cross OVER the solution of the	track at grade AFTER	R the underpass was red	constructed?
 Often Occasionally Never 6. How often do you cross OVER the solution of the common of t	track at grade AFTER	R the underpass was red	constructed?
Often Occasionally Never 6. How often do you cross OVER the solution of the	track at grade AFTER	R the underpass was red	constructed?
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Child_ Teenager_ Adult_

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bike bike bike	both both both
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tely Important	
nderpass was re	constructed?
	structed?
rpass was recon	
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	walking
Child	
Teenager	
Adult V	

Several times a week	walk	bike	both
Once a week	walk	bike	both
Occasionally (few times) per mor		bike	both
Infrequently (few times/year)	walk	bike	both
Never		DINO	5001
2. How often do you walk or bike th	rough the new unde	rpass?	
Several times a week	walk_	bike	both
Once a week Occasionally (few times) per mor	walk	bike	both
Infrequently (few times/year)	nth walk walk	bike	both
infrequently (few times/year)	Walk	bike	both
3. Does the new underpass influence	your decision to wa	lk or bike rather than drive?	?
Yes, frequently Yes, occ	casionally_	No	
1 Which of the following alconomy	fal	the contract of the	
4. Which of the following elements of	of the underpass are	important to you?	
	Very Important	Moderately Important	Not Importan
ahting	1/		
ghting ide Path			
de Path antings/Landscaping twork		\	
de Path antings/Landscaping twork ing able to see through to the other side			
de Path antings/Landscaping twork		***************************************	
de Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through		FORE the underpass was re	constructed?
de Path antings/Landscaping twork ing able to see through to the other side		FORE the underpass was re	constructed?
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ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally		FORE the underpass was re	constructed?
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never	e tracks at grade BEI		
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally	e tracks at grade BEI		
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the	e tracks at grade BEI		
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ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally	e tracks at grade BEI	ER the underpass was recon	
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never 7. Do you have any additional comm	e tracks at grade BEI	ER the underpass was recon rpass?	structed?
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never	e tracks at grade BEI	ER the underpass was recon	structed?
ide Path antings/Landscaping twork ing able to see through to the other side ing able to ride a bike through 5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never 7. Do you have any additional comm	e tracks at grade BEI	ER the underpass was recon rpass?	structed?

walk
Child_
Teenager
Adult V

7. [Called the second of the second of the second of	N Day 1	
:	How often do you cross OVER the Often Occasionally Never			structed?
:	How often did you cross OVER the Often Occasionally Never	e tracks at grade BE	FORE the underpass was re	constructed?
rtwork	gs/Landscaping k ble to see through to the other side able to ride a bike through			
ghtin /ide P	g Path	Very Important	Moderately Important	Not Importa
4.	Which of the following elements of			
3. [Does the new underpass influence Yes, frequently Yes, occ		alk or bike rather than drive?	2
	Several times a week Once a week Occasionally (few times) per mor Infrequently (few times/year)	walk walk nth walk walk	bike bike bike bike	both both both
2.	How often do you walk or bike th		erpass?	
	Never			
	Occasionally (few times) per moi Infrequently (few times/year)	walk nth walk walk	bike bike bike	both both
	Several times a week Once a week	walk	bike	both

Child	
Teenager	,
Adult	/

Several times a week	walk	Late-	le male
Once a week		bike	both
Occasionally (few times) per mo	onth walk	bike	both
Infrequently (few times/year)	walk	bike bike	both
imequently (lew times/year)	Walk	DIKE	botn
2. How often do you walk or bike th	hrough the new und	erpass?	,
Several times a week	walk	bike	both_
Once a week	walk	bike	both
Occasionally (few times) per mo		bike	both
Infrequently (few times/year)	walk	bike	both
3. Does the new underpass influence	e your decision to w	valk or bike rather than drive	?
Yes, frequently Yes, oc	casionally_	No	
	10.00.11		
The state Living relians to the say			
4. Which of the following elements	of the underpass ar	e important to you?	
ghting	Very Important	Moderately Important	Not Importan
ide Path			
antings/Landscaping			
twork			
ing able to see through to the other side			
eing able to ride a bike through			
5. How often did you cross OVER the Often	ne tracks at grade B	EFORE the underpass was re	constructed?
ing able to ride a bike through 5. How often did you cross OVER th	ne tracks at grade B	EFORE the underpass was re	constructed?
5. How often did you cross OVER the Occasionally	ne tracks at grade B	EFORE the underpass was re	constructed?
5. How often did you cross OVER the Occasionally Never 6. How often do you cross OVER the			
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often			
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Often Often			
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often			
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never	e track at grade AF	TER the underpass was recon	
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never 7. Do you have any additional comm	e track at grade AFI	TER the underpass was recon	structed?
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never 7. Do you have any additional comm	e track at grade AFI	TER the underpass was recon	structed?
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never 7. Do you have any additional comm	e track at grade AFI	TER the underpass was recon	structed?
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never 7. Do you have any additional comm	e track at grade AFI	TER the underpass was recon	structed?

Child__ Teenager__ Adult__/

Several times a week	walk	bike	both
Once a week	walk_		both
Occasionally (few times) per mo			both
Infrequently (few times/year)	walk		both
2. How often do you walk or bike t	hrough the new (underpass?	
Several times a week	walk_		both
Once a week	walk		both
Occasionally (few times) per mo			both
Infrequently (few times/year)	walk	bike	both
3. Does the new underpass influence			?
Yes, frequently Yes, oc	casionally	No	
1			
4. Which of the following elements	of the underpass	s are important to you?	
	Very Important		Not less sets
ighting	very important	Moderately Important	Not importan
Vide Path			
Plantings/Landscaping Artwork			
Being able to see through to the other side			
Being able to ride a bike through			
Being able to ride a bike through 5. How often did you cross OVER th	ne tracks at grade	e BEFORE the underpass was re	econstructed?
Seing able to ride a bike through 5. How often did you cross OVER the Often	ne tracks at grade	e BEFORE the underpass was re	econstructed?
5. How often did you cross OVER the Often Occasionally	ne tracks at grade	e BEFORE the underpass was r	econstructed?
Seing able to ride a bike through 5. How often did you cross OVER the Often	ne tracks at grade	e BEFORE the underpass was r	econstructed?
5. How often did you cross OVER the Often Occasionally Never			
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5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often			
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5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Often Occasionally	e track at grade /	AFTER the underpass was reco	
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never Never Never	e track at grade /	AFTER the underpass was reco	
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never Never Never	e track at grade /	AFTER the underpass was reco	
5. How often did you cross OVER the Often Occasionally Never 6. How often do you cross OVER the Often Occasionally Never Never Never	e track at grade /	AFTER the underpass was reco	

walk

Child	
Teenager	1
Adult	V

1. How often did you use the old under	erpass prior to reco	onstruction?	
Several times a week Once a week Occasionally (few times) per month Infrequently (few times/year)	walk_walk_walk_walk	bike bike bike bike	both both both
imequality (lew times/year)	Waik	Dike	both
2. How often do you walk or bike throu	gh the new underp	pass?	
Several times a week Once a week Occasionally (few times) per month Infrequently (few times/year)	walkwalkwalk	bike bike bike bike	both both both
3. Does the new underpass influence yo	our decision to walk	or bike rather than drive?	,
Yes, frequently Yes, occasion	onally	No	
4. Which of the following elements of the	he underpass are in	mportant to you?	
ghting	ry Important	Moderately Important	Not Importan
Vide Path lantings/Landscaping	4		
eing able to see through to the other side eing able to ride a bike through			/
 5. How often did you cross OVER the tree Often Occasionally Never 	acks at grade BEF(ORE the underpass was re	constructed?
How often do you cross OVER the tra Often Occasionally	ack at grade AFTER	the underpass was recon	structed?
Never			
	s about the under	pass?	
7. Do you have any additional comment			
7. Do you have any additional comment			
7. Do you have any additional comment			-