City of Santa Maria Bus Stop Improvement Plan

Senior Project by Jessica Wafer and Erin Gorman City and Regional Planning. College of Architecture and Environmental Design. California Polytechnic State University



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By Erin Gorman & Jessica Wafer

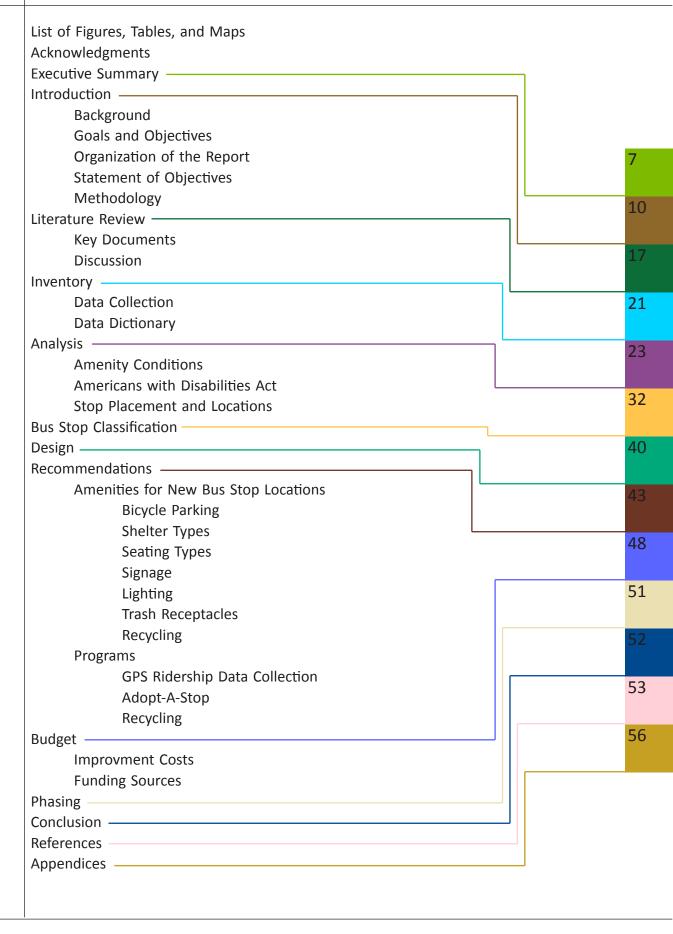
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Executive Summary

Background

The City of Santa Maria and Santa Maria Area Transit seek to provide a framework for maintaining and developing bus stops that are easily identifiable, safe, and accessible. The guidelines outlined in the City of Santa Maria's Bus Stop Improvement Plan will focus on increasing rider safety by analyzing stop locations, stop accessibility, and developing design consistency. The Plan does acknowledge that bus stops will not always satisfy the requirements and guidelines set forth in this document. However, by implementing the goals and policies outlined in the Santa Maria Bus Stop Improvement Plan, the City can establish an overall positive, effective, and safe service for the Santa Maria community.

Purpose

The purpose of this document is to:

- 1. Establish an inventory of bus stops in ArcGIS.
- 2. Set guidelines for the design of and types of amenities for bus stops.
- 3. Determine areas of concern and opportunity within the transit system.

Conditions

Existing | An extensive inventory of existing bus stops was completed in order to conduct an analysis for the Bus Stop Improvement Plan. The analysis asserts that graffiti and regular maintenance of bus stops are the most problematic areas. These issues will need to be resolved in order to maintain usable and aesthetically pleasing bus stops. As proposed, anti-vagrant and anti-graffiti amenities are highly recommended as well as innovative programs to help maintain bus stops.

ADA Accessibility

It is essential that the City of Santa Maria and Santa Maria Area Transit strive to provide ADA compliant bus stops whenever possible. The Bus Stop Improvement Plan proposes that these areas should receive priority in receiving improvements:

- Landing Areas: In order to provide accessible and safe landing areas, all grass, gravel, or dirt landing areas should be constructed with asphalt or concrete to increase mobility.
- **Lighting:** All stops should have adequate lighting, with increased lighting for evening bus stops and timed stops. If city lights are determined as not an adequate source, alternative lighting sources should be included.

- Landscaping: Increased maintenance can reduce accessibility issues caused by overgrown landscaping.
- On-Board Accessibility: Implementation of consistent on-board auditory and visual announcement of bus stops can enhance the overall accessibility of the transit system.

Bus Stop Spacing and Location

Regulation of stop placement and spacing creates a walkable environment that is essential to a productive and efficient transit system. As a result, the Bus Stop Improvement Plan proposes the following guidelines:

- Higher density areas allow for more bus stops, ranging from 1/8th of a mile to 1/4th of a mile.
- Lower density areas may have bus stops spaced greater than 1/4th of a mile apart; however it is recommended that stop spacing does not exceed the 1/4th mile distance.
- Farside bus stops should be utilized whenever possible.

Bus Stop Classification

Bus stop classification for Santa Maria Area Transit is determined by Santa Maria's population and employment densities. The Bus Stop Improvement Plan proposes four different bus stop types, with amenities ranging from only a bus stop sign to a shelter, bike rack, and newspaper boxes. Bus stop amenities were chosen from Tolar Manufacturing and Landscape Forms Incorporated to be installed at all bus stops.

Recommended Programs

The Bus Stop Improvement Plan recommends the following programs to be implemented in order to establish a safe, accessible, and regularly maintained transit system:

 AVL system: The Automatic Vehicle Locator system can benefit the transit system by allowing SMAT to collect accurate ridership data. This can result in the creation of a more accurate and implementable classification system.

- Adopt-a-Stop: By incorporating an Adopt-a-Stop program, Santa Maria Area Transit can develop a partnership between the City and other interest groups. Those who agree to perform routine check-ups on their adopted stop can receive recognition from the City. The transit system can benefit from more regulated maintenance of bus stops.
- Recycling: The Bus Stop Improvement plan proposes a dual trash and recycling system be incorporated at high ridership stops. When feasible, Santa Maria Area Transit should incorporate this recycling program at serviceable stops.

Budgeting and Phasing

Naturally, all of these proposed changes and improvements will result in heavy expenditures. The Bus Stop Improvement Plan organizes a budget based on the proposed improvements and amenity changes. In order to implement these changes, a phasing plan has also been established. By following the implementation guidelines and utilizing the proposed funding strategies, the necessary improvements outlined in the Bus Stop Improvement Plan can become a reality. As a result, the City of Santa Maria would be served by a safe, accessible and identifiable transit system.

Introduction

Background

As of June 19th, 2011, Santa Maria Area Transit (SMAT) adopted new transit routes (Appendix A). In order to effectively serve the community, these newly implemented routes must be incorporated into a transit system that is easily identifiable, safe, and accessible. This Bus Stop Improvement Plan supported the effort by establishing an inventory of existing conditions, a set of bus stop design standards, and determines specific areas of concern and opportunity within the transit system. Through specific goals and objectives, clear explanations, and illustrative graphics, the Bus Stop Improvement Plan provides decision makers and developers with the standards and tools necessary to plan and develop identifiable, safe, and accessible bus stops. The plan was developed to realize the goals and objectives outlined in the following subsections.

GOAL 1

PROVISION OF AMENITIES AND SERVICES FOR IMPROVED PEDESTRIAN AND VEHICULAR SAFETY AT ALL BUS STOPS IN THE CITY OF SANTA MARIA.

Objective 1.1

Ensure all stops receive adequate lighting. All timed and evening bus stops shall incorporate light sources that are used exclusively for the bus stop (as opposed to City lights). See example in Figure 1.

Objective 1.2

Place advertisements, shelters, benches, or any other amenities in a location that does not obstruct the visibility of passengers or pedestrians from transit drivers or other vehicular traffic.

Objective 1.3

Maintain proper landscaping of bus stops to allow proper distribution of lighting and mitigate any hazards from tree branches, oversized bushes, or overgrown grass. See example in Figure 2.



light fixture, used for bus stops without shelters.

Source: Tolar

Manufacturing,

Omnilight



Figure 2: The Clark at Bradley Northbound stop illustrates well-maintained landscaping and proper placement of amenities.

- Objective 1.4
- Locate bus stops near crosswalks, sidewalks and other well-established pedestrian connections when reasonable.
- Objective 1.5
- Replace or repair damaged or worn bus stops in a timely matter.
- GOAL 2
- UTILIZATION OF RESOURCES TO EFFECTIVELY PROMOTE THE PARTNERSHIP BETWEEN SANTA MARIA AREA TRANSIT AND THE COMMUNITY.
- Objective 2.1
- Utilize advertisement space on shelters, benches, and buses to raise additional revenue. See example in Figure 3.



Figure 3: McCoy at Albertson's stop utilizes the available advertisement space, creating additional revenue for the transit system.

- Objective 2.2
- Promote transit usage to different demographics within Santa Maria.
- Objective 2.3

Incorporate programs that promote the partnership between SMAT, transit riders, and local businesses. See example in Figure 4.

Objective 2.4

Identify bus stops with the community, such as, encouraging community bulletin boards.



Figure 4: An Adopt-a-Stop program, a bus stop garden.

Source: Metro Transit,
Austin, TX

- GOAL 3 INCREASED ACCESSIBILITY FOR ALL RIDERS USING SANTA MARIA AREA TRANSIT.
- Objective 3.1 Locate bus stops in areas with existing sidewalks or planned sidewalk development.
- Objective 3.2 Develop and improve bus stops (where reasonable) to comply with standards set by the Americans with Disabilities Act (ADA). See example in Figure 5.



Figure 5: Passenger boarding bus from accessible landing pad.

- Objective 3.3 Locate bus stops in high ridership areas or areas with potential to attract future ridership.
- Objective 3.4 Provide bus stop amenities that serve all demographics and riding purposes.
- Objective 3.5 Include bike racks at bus stops with potential demand for bicyclists, further implementing the Santa Maria Bike Plan.
- Objective 3.6 Install GPS and Automatic Vehicle Locator System for consistent bus stop announcements and up-to-date information once funding has become available.
- Objective 3.7 Locate bus stops in areas that do not require the rider to walk more than a quarter of a mile.

GOAL 4 A TRANSIT NETWORK THAT EMBODIES SUSTAINABILITY.

Objective 4.1 Promote sustainability through advertisements, marketing, and education for alternative transportation means.

Objective 4.2 Install recycling bins at all bus stops that require trash cans in order to further implement the goals found in Santa Maria's Source Reduction and Recycling Element.

Objective 4.3 Include solar lighting at appropriate bus shelters for shelter lighting, advertisement lighting, schedule lighting and/or sign lighting. See example in Figure 6.



Figure 6: Solar lighting used for evening shelter and advertisement lighting. Source: Apex Lighting

- GOAL 5 CONSISTENCY IN DESIGN OF SANTA MARIA AREA TRANSIT SYSTEM BUS STOPS, MAKING THE TRANSIT SYSTEM EASILY IDENTIFIABLE TO RIDERS.
- Objective 5.1 Follow the design guidelines set forth and the City approved amenities listed in the Bus Stop Improvement Plan in the development or improvement of new stops.
- Objective 5.2 Keep a consistent schedule of maintenance for bus stops and investigate creative solutions to developing partnerships in establishing a shared responsibility for maintaining bus stops.

Organization of the Report

The Bus Stop Improvement Plan is separated into ten major sections:

- Introduction: The introduction provides a brief overview of the existing transit system conditions within Santa Maria. This section also discusses the various goals and objectives that set the framework for bus stop improvements and development.
- Literature Review: This section focused on key documents used in the conduct of this study with brief summaries of how they were applied and built upon to help develop the Bus Stop Improvement Plan.
- Existing Conditions: This section explains the inventory process and analysis of existing conditions. It provides detailed maps and graphics illustrating the areas of opportunity and concern within the SMAT system.
- **Stop Classification:** This section discusses a systematic approach for classifying bus stops by type. The classification system explains in detail how classification by bus stop type can be an implementation tool for future developments.
- Bus Stop Design: One of the major goals of SMAT is
 to develop an easily identifiable transit system that
 provides adequate amenities in a safe manner. This
 section outlines bus stop designs for each classification
 type, determining which amenities to be incorporated at
 each bus stop type and creating a design consistency.
- Recommendations: Several bus stop shelter and amenity manufacturers were researched for pricing and cost analysis. This section presents amenities recommended by SMAT management that are to be incorporated into bus stop designs.

- **Programs:** The SMAT system exists to serve the community. It is essential therefore to provide a system that adapts to technological advances, promotes sustainable practices, and recognizes the partnership between the City and the community. The recommended programs outlined in this section acknowledge these needs and partnerships in order to enhance the overall transit system.
- Budget and Phasing: Preparing a budget and a phasing schedule help implement the goals and policies set forth in the Bus Stop Improvement Plan. These two sections explain in detail the cost of amenities and phasing strategies for implementing bus stop improvements and developments. Funding sources are also identified under the Budget section.
- Conclusion: The final section summarizes the concluding observations from this documentation.

Objectives

Statement of The Bus Stop Improvement Plan contains an extensive inventory of all existing bus stops. The Plan addresses issues with existing bus stops, including location, safety concerns, and amenity conditions. The Bus Stop Improvement Plan also incorporates a budget and implementation schedule for the renovation, removal, or development of stops. Finally, the Bus Stop Improvement Plan utilizes Santa Maria population and employment densities for bus stop classification determination. Recommendations are made for future bus stop placements, amenities, and programs to further improve Santa Maria Area Transit service and safety.

Methodology

In order to develop a successful Bus Stop Improvement Plan for the City of Santa Maria that improves service quality and mitigates safety concerns, other adopted plans were researched for techniques and strategies that are applicable to Santa Maria. Plans were organized by strengths and weaknesses and evaluated on relevancy to the City of Santa Maria. (See Appendix B for the city matrix.) Several plans helped guide the development of Santa Maria's Bus Stop Improvement Plan, such as Easter Seal's "Toolkit for Assessment of Bus Stop Design and Safety". This document helped direct the development of the data dictionary necessary for completing an inventory of existing bus stops.

The County of Santa Barbara's latest Short Range Transit Plan also provided information on the demographics of current transit riders within Santa Maria.

The finalized data dictionary contained over 200 individual categories discussing stop location, accessibility, amenities, and safety. The City of Santa Maria conducted an inventory of each existing individual bus stop in the fall of 2010. Each stop was evaluated and its geoposition was recorded. Pictures were taken of each stop and organized in a photo database on the City server.

After completing the inventory of existing Santa Maria Area Transit bus stops, the data was analyzed to determine needed amenities at stops, to establish unsafe stops, to organize and eliminate unnecessary stops along new SMAT routes, and to create a budget and implementation schedule based off of the findings. After gathering information on existing bus stops, a set of goals and objectives were created to respond to problem areas within the Santa Maria Area Transit system. These goals and objectives will serve as guidelines to further implement the City's General Plan while satisfying the needs of the transit community.

The goals and objectives in the Bus Stop Improvement Plan outline a need for increased safety, incorporation of advertisement, improved accessibility, and the promotion of sustainability. In order to accomplish these goals, the Bus Stop Improvement Plan dictates amenity requirements for each bus stop classification, providing illustrative schemes of each. Several manufacturers, including Tolar Manufacturing and Landscape Forms, were contacted regarding amenity pricing for budget preparation.

The Bus Stop Improvement Plan also includes amenity recommendations, program outlines, and potential future data collection methods. A budget and phasing plan was developed to organize the implementation of the proposals laid out in the Santa Maria Bus Stop Improvement Plan, which will be used by the City to efficiently transition from the old bus routes to the new bus routes and stops.

Literature Review

By incorporating policies and programs proposed in Santa Maria's Bus Stop Improvement Plan, Santa Maria Area Transit will create comfortable and safe bus stops for transit riders. The Santa Maria Bus Stop Improvement Plan will contain goals and objectives that enhance service quality factors, both on and off-board, within the Santa Maria Area Transit System. Furthermore, implementing the programs will help guide future bus stop analysis for Santa Maria Area Transit and will create partnerships between the City, the community, and the transit riders.

Key Documents

Appendix B organizes main attributes of cities researched for this study. The following subsections present brief summaries of the key documents used with explanation on how information from these sources were applied and built upon to help develop the Bus Stop Improvement Plan.

San Luis Obispo: Short Range Transit Plan, 2004 The San Luis Obispo Short Range Transit Plan (SRTP) of 2004 addresses several key issues pertinent to the Santa Maria Bus Stop Improvement Plan. The SRTP discusses categories used for existing service stop inventory, along with examples of how to evaluate and present the data gathered. The Santa Maria Bus Stop Improvement Plan follows the San Luis Obispo's SRTP's technique for classifying different types of bus stops according to ridership. Figure 7 shows that bus stops with the lowest ridership amount are classified as Type 1, and as ridership increases, the classification becomes Type 2, Type 3 or Type 4 respectively. Using this assigned classification, amenities provided at each bus stop are assigned to the particular classification.

Table 5-4 Service Stop Classification

Daily Boardings	Classification
1 to 7	Type 1
8 to 14	Type 2
15 to 64	Type 3
65 or More	Type 4

Table 5-5 describes the amenities to be provided for each stop type. All Type 1 stops should be equipped with a transit sign that lists the route numbers serving the stop. All Type 2 stops should be equipped with a transit sign that also displays schedule information, as well as a bench (located on the sidewalk by the sign). All Type 3 stops should have a second bench to accommodate increased ridership, and a shelter. Finally, all Type 4 stops should have all of the previously mentioned amenities in addition to a trash container, night lighting, a payphone, a bike rack and an electronic messaging sign to communicate information to riders.

Table 5-5 Service Stop Amenities by Stop Class

Service Stop Classification	Transit sign	Schedule information	Bench on sidewalk or in parkway	Second bench	Shelter	Electronic messaging sign*	Trash container	Night lighting	Pay phone*	Bike rack^
Туре 1	X									
Type 2	X	X	X).
Туре 3	X	X	X	X	X					
Type 4	X	X	X	X	X	X	X	X	X	X

NOTES: * Installation of pay phone is subject to phone company decision ^ Bike rack installation is subject to passenger demand.

*Electronic messaging signs are installed at the discretion of the city.

Figure 7: Classification and amenities by class for San Luis Obispo bus stops.

Source: City of San Luis Obispo, SRTP 2004

Santa Barbara Metro Transit District: Final Transit Needs Assessment, 2010 In Santa Barbara's 2010 Final Transit Needs Assessment, there is up-to-date information on the City of Santa Maria's demographics and transit dependency, based on disability, income and age. It also provides information on vehicle availability by household. With this data, the Santa Maria Bus Stop Plan is able to evaluate which amenities would be best suited for the citizens frequently utilizing the transit system as well as adequately position new bus stops along the new routes. The document also includes public input and comments specifically regarding issues or concerns with the Santa Maria Area Transit service.

Texas
Transportation
Institute:
Guidelines for
the Location
and Design
of Bus Stops,
1996

These guidelines serve a critical part in the overall process of initiating improvements to bus stops as well as determining the location of bus stops. Explanations are given for bus stop spacing recommendations based on locations in different areas, such as rural areas compared to a Central Business District (Appendix C, Figure C-1). Placement considerations are discussed at great length as related to safety for the passengers and boarders and operational considerations for the transit agency and drivers. With Santa Maria adopting new transit routes, it is essential to reference these guidelines when establishing new bus stops along these routes.

Texas Transportation Institute also explains different recommendations and requirements for bus stop zone design types, such as bus bays or curb-side bus stop zones. Finally, the guidelines give a street-side placement checklist to go through before the finalization of any new bus stops (Appendix C, Figure C-2). This was helpful when determining new bus stop locations for the Santa Maria Bus Stop Improvement Plan, which proposes changes that are safe and consistent with recommendations of the Texas Transportation Institute.

Pedestrian access features are essential to any well-designed bus stop. Guidelines and recommendations set by the Texas Transportation Institute helped dictate where waiting pads should be located and the size necessary to meet ADA standards. The Texas Transportation Institute also discusses the importance of coordinating bus stop improvement designs and locations with local commercial, business, or residential development located near bus stops.

As cooperation between SMAT and the community is essential to running a successful transit system, this is a critical component in bus stop location and gaining advertisement revenue. Most importantly, ADA standards are extensively discussed within this document, giving information on appropriate ways to deal with obstacles, surfaces, signs, and telephones so that they meet ADA standards. With Santa Maria's main riders consisting of the elderly, handicapped, and low-income demographics, it is essential to make sure all bus stops are up-to-date with ADA standards (Appendix C, Figure C-3). Finally, the guidelines provide detailed information regarding shelter locations and need based on ridership, including the wide variety of amenities that can be provided at stops and recommendations for each.

Chico, Butte Regional Transit: Bus Stop Improvement Plan, 2007 This Bus Stop Improvement Plan was a great tool and resource for the layout and preparation of Santa Maria's Bus Stop Improvement Plan, including appropriate maps and charts to show information appropriately. Chico's plan provides an example of how to lay out planned improvements within the document, adequately showing the prioritization of the stops. Santa Maria's Bus Stop Improvement Plan built on this example and includes a more extensive budget analysis. Furthermore, Santa Maria's Bus Stop Improvement Plan includes designs of new transit signs that can be incorporated throughout the new route system. In Chico's Bus Stop Improvement Plan, there is extensive analysis into how a well-designed transit sign can promote transit usage and increase ridership. This was helpful in guiding the new Santa Maria Area Transit sign design.

Toolkit for Bus Stop Accessibility and Safety, 2006 This document served as the primary guiding document for conducting an inventory of all existing bus stops. It helped guide the development of the data dictionary for the Trimble GPS device. The Toolkit for Bus Stop Accessibility and Safety organizes bus stop inventory into six sections: Identification/Location, Pedestrian Access Features, Passenger Comfort Amenities, Safety and Security Features, Information Features, and Diagrammatic Photograph (Appendix D). Working with the City of Santa Maria, a data dictionary was created following the guidelines from these main sections.

Discussion

Based on what has been successful in other areas and what is relevant to Santa Maria, it was determined that the Santa Maria Bus Stop Improvement Plan should include extensive information regarding technology, bus stop location and design, ADA criteria, and bus stop amenities. The amenities outlined in Santa Maria's Bus Stop Improvement Plan include shelters, signage, trash cans, and benches. Recommendations for new bus stop locations are included in the Plan, with appropriate sketches of the layout design.

The new design and amenities at bus stops directly reflect the needs of the varying demographics within Santa Maria. Safety, functionality, and feasibility are the top priorities in determining bus stop locations and bus stop amenities. All bus stops are to be ADA compliant, implementing standards from the Texas Transportation Institute: Guidelines for the Location and Design of Bus Stops, 2006. When feasible, the Santa Maria Bus Stop Improvement Plan requires innovative technology to promote sustainability and to bring the transit system up-to-date with current transit technology.

Inventory

Data Collection In 2011, Santa Maria Area Transit implemented new transit routes. In order to properly plan for new bus stop locations along these routes, an inventory of existing stops and their conditions was needed. The completed inventory allowed for proper bus stop placement and designation. Furthermore, it provided upto-date and easily classifiable information regarding bus stop improvements.

Data Dictionary

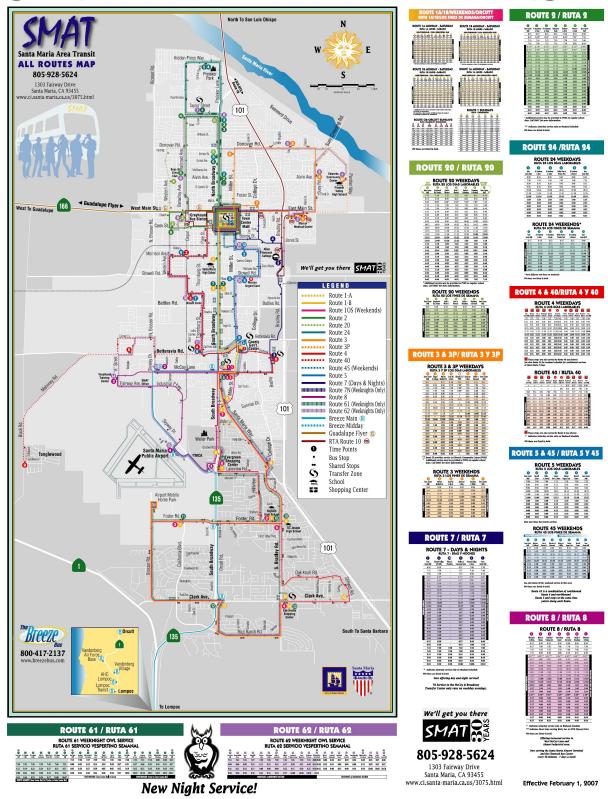
In order to obtain information in an effective and organized manner, a data dictionary was developed for the Trimble GPS. The data dictionary contained over one hundred attributes that were used to evaluate each bus stop. The data dictionary included sections on identification and location, pedestrian access, pedestrian amenities, safety, information features, and sketches or photographs (Appendix E). A database was created on the City server to provide photographic documentation of each stop. The photographic documentation referred to such categories as: sign condition, seating condition, shelter condition, landing area detail and any damage to the site.

The Santa Maria Area Transit All Routes Map that was used to conduct the inventory is shown in Map 1. As this Map is no longer being implemented, all inventoried bus stops included information regarding the 2011 transit routes (Appendix A). By including this information, the ArcGIS data accurately represented stops that needed be removed or incorporated into the 2011 transit routes.

OLD SMAT ROUTES MAP

Map 1

SANTA MARIA AREA TRANSIT



Source: City of Santa Maria, SMAT

Analysis

Using ArcGIS, the collected data was analyzed for different purposes. In order to upgrade existing bus stops, the conditions of amenities were noted throughout the inventory process. Furthermore, any obstacles or obstructions preventing easy access to the bus stop were noted. By analyzing the data in this way, current safety issues within the transit system can be addressed. The following subsections present a break down of the analysis prepared using ArcGIS.

Amenity Conditions

Research has shown that safety is one of the top factors in determining ridership in an area. By increasing both on-board and station safety, people are more inclined to ride the transit system (e.g. Taylor and Fink, 2003, Factors Influencing Transit Ridership). In order to accomplish both on-board and station safety, it is important to keep bus stops and their amenities well maintained. Any significant damages should be quickly noted and appropriately taken care of. The following analysis indicates areas of opportunity, where amenities needed to be repaired or replaced.

As shelters are one of the most prominent bus stop amenities, any damages to them are easily noticed by riders or potential riders. Currently, there are 53 existing shelters. Out of these 53 shelters, 22 are damaged to the point of being considered in "fair" or "poor" condition. Damages were categorized as graffiti, missing or broken pieces, and worn paint. Over seventy percent of shelters have graffiti damage or worn paint (Table 1). Table 1 shows the distribution of shelter conditions and their existing damages.

Table 1: Shelter Conditions by Type of Damages							
Shelter Condition	Total	Туре	of Damage (%)			
Sileiter Condition	Shelters	Broken Pieces	Graffiti	Worn Paint			
1 - Hazardous	0	0%	0%	0%			
2 - Poor	2	2%	4%	2%			
3 - Fair	20	4%	28%	30%			
4 - Good	29	9%	40%	38%			
5 - Excellent	2	0%	2%	2%			
TOTALS:	53	15%	74%	72%			

As with shelters, seating can also be a significant factor in the appearance and safety of a bus stop. As seen in Table 2, eighty percent of benches have worn paint, making worn paint the most prevalent damage between shelters and benches.

Table 2: Seating Conditions by Type of Damage							
Seating	Total	Type of Damage (%)					
Condition	Seating	Broken Pieces	Graffiti	Insecure Install	Worn Paint		
1 - Hazardous	0	0%	0%	0%	0%		
2 - Poor	0	0%	0%	0%	0%		
3 - Fair	26	7%	9%	1%	15%		
4 - Good	121	11%	19%	0%	62%		
5 - Excellent	12	0%	0%	0%	4%		
TOTALS:	159	18%	28%	1%	81%		

With over seventy percent of shelters being damaged by graffiti and over eighty percent of benches needing new paint, new amenities must acknowledge the need for long lasting paint, durability, and graffiti deterrents. Adequate lighting, consistent maintenance, and specific amenities that cater to durability are discussed in more detail in the Recommendations Chapter.

Along with graffiti, litter has become a major issue at bus stops. Currently, 59 bus stops are littered, but over thirty of these littered stops contain trash cans. This indicates that the areas are not regularly maintained, and the trash cans are underutilized. The City of Santa Maria should increase promotion of proper waste disposal at bus stop locations and implement a consistent maintenance schedule by City workers or volunteer groups. The Programs Chapter discusses in greater detail different strategies to implement consistent maintenance. Fourteen percent of trash cans have graffiti, again reaffirming the need for durable, graffitiresistant amenities.

There are a handful of poles, signs, and schedule racks that also need replacement. Table 3 breaks down these amenities and their damages.

Table 3: Damaged Amenities									
Type of Amenity	Trash	Schedule Rack	Sign	Pole					
Type of Damage	Overfilled, insecure installation, carts present, graffiti, littered stop	graffiti, missing schedule, paint worn	broken pieces, worn, graffiti	graffiti, bent, unsecure installation					
Total	47	34	70	19					

After analyzing the existing conditions of amenities, it is clear that graffiti and regular maintenance of bus stops are the main concerns. It is recommended that future amenities be well-equipped with anti-vagrant and anti-graffiti options. Furthermore, this chapter illustrates the need for regular maintenance of bus stops. Programs and more specific amenity recommendations are discussed in the Recommendations Chapter. For a detailed spreadsheet regarding bus stops needing improvements, see Appendix F or the ArcGIS data.

Americans with Disabilities Act

The Americans with Disabilities Act is intended to make public areas more accessible to those with disabilities. According to the Texas Transportation Institute, ADA compliancy involves, "accessibility from the point of origin to the final destination" (TTI, (1996) Chapter 4, pg. 60, Part C). As such, transit riders with disabilities should be able to navigate their way to a bus stop, within the stop, and on the bus without any visual or physical obstructions. This section discusses any existing problem areas or potential areas that may pose accessibility issues in the future.

In December, 2010, 27 bus stops were classified as being minimally accessible or not accessible due to landing area material. The most problematic materials were grass, dirt, and gravel. During the winter, muddy conditions make the landing area difficult to navigate (e.g. Figure 8). As a result, riders are forced to walk in the street or access stops by neighboring driveways. These stops should receive priority for landing area updates with concrete or asphalt connections.



Figure 8: The Cypress at Nicholson bus stop does not have an appropriate landing pad or adequate space on the sidewalk.

The majority of landing areas within Santa Maria are made of concrete; however, these landing areas still pose accessibility issues. Several stops were noted for not having adequate space between stop amenities and the curb, and many intersections do not have curb cuts or sidewalks (e.g. Figure 9). These findings suggest that pedestrian and rider mobility is severely limited, creating hazardous transit stops at certain locations.

Landscaping has also created accessibility issues, with roots uplifting the sidewalk or overgrown bushes impeding sidewalk space (e.g. Figure 10). In order to mitigate any landscaping issues, proper maintenance and planning of sidewalks, landing areas, and landscaping features is necessary.



Figure 9: Santa Maria Way at Holly Oak stop with no pedestrian connections.

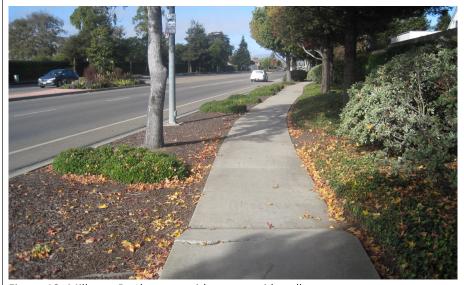


Figure 10: Miller at Battles stop with uneven sidewalk.

When feasible, pedestrian connections, sidewalks, and landing areas should follow the guidelines and standards set forth by the Texas Transportation Institute, as illustrated in Figure 11. Landing areas should be at least 5' x 8' and made of impervious material. Furthermore, the shelter must be located in an area that does not obstruct pedestrian or rider circulation. The minimum sidewalk width for all pedestrian connections should be three feet with no obstructions.

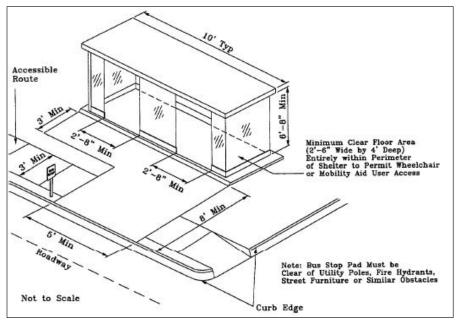


Figure 11: Minimum shelter and landing area dimensions to meet ADA requirements.

Source: Texas Transportation Institute, Guidelines for the Location and Design of Bus Stops, 1996

Adequate lighting is another essential amenity in providing an accessible and easily identifiable bus stop. As stated in the Goals and Objective of the Santa Maria Bus Stop Improvement Plan, it is proposed that all stops receive adequate lighting. All timed and evening bus stops should also incorporate light sources that are used exclusively for the bus stop. Overall, 121 stops were classified as having poor sign or stop lighting, with 91 stops lacking any light source. With almost half of existing stops not receiving adequate light, this issue should be given priority in establishing safe and accessible bus stops.

No evaluation or inventory was conducted of accessibility features on-board Santa Maria Area Transit's bus fleet. However, having consistent auditory and visual announcements of bus stops can enhance the overall accessibility of the Transit system. A GPS with Automatic Vehicle Locator system program is further discussed in the Program section of the Recommendations Chapter.

Stop Locations

Proper bus stop spacing is essential in balancing walkability and efficiency within the transit system. The City of Santa Maria and Santa Maria Area Transit promote quarter mile spacing between bus stops. Bus stops located in Central Business Districts or main

shopping corridors within Santa Maria may be spaced an eighth of a mile apart. The City of Santa Maria shall use their discretion when deciding bus stop spacing, as it directly influences bus stop frequency and total trip duration. In rural areas, it is encouraged that bus stops be spaced greater than a quarter mile apart in order to reduce stop frequency. Overall, by encouraging bus stop spacing that is proportional to the area density, both operating expenses and trip duration can be reduced. This will inevitably lead to more accurate bus schedules, less bus bunching, and happier transit riders (Cooper and Nuworsoo, 2010).

The requirements for bus stop spacing are outlined in Table 4. As shown, higher density areas will be served by more frequent bus stops spaced within an eighth of a mile. Whereas, medium density areas will have stops spaced every quarter mile. Finally, low density areas will be served by stops spaced greater than a quarter mile apart as to decrease stop frequency and trip duration.

Table 4: Stop Spacing Requirements						
Santa Maria Area Transit	People/Acre	Stop Spacing				
High Density	23 - 55	1/8 mi				
Med to High Density	13 - 22	1/4 mi				
Med to Low Density	8 - 12	1/4 mi				
Low Density	< 8	> 1/4 mi				

Bus stop placement is also a crucial factor in providing a safe and efficient transit system. The City of Santa Maria shall utilize farside bus stops whenever possible and avoid mid-block bus stops. Far-side stops are encouraged as they do not impede traffic turning right, they provide a greater sight distance for pedestrians, and they take advantage of traffic breaks caused by traffic lights. Overall, when determining stop placement, the following should be taken into account:

- Sight distance for autos, pedestrians, and the bus driver
- Passenger access to street crossings
- Bus stop zone design i.e., Curb Side, Bus Bay, Nub
- Traffic flow
- Public input
- · Pedestrian connections
- Trip generators

Portland's Tri-Met (2002) developed specific criteria for bus stop placement. The City of Santa Maria should follow these guidelines when determining their own bus stop placements. Figure 12 outlines the criteria for far-side, near-side, mid-block, and off-street stop placements.

Situation	Preferred Placement
Any signalized intersection where bus can stop out of travel lane	Farside
If bus turns at intersection	Farside
Intersection with many right turns	Farside
Complex intersections with multi-phase signals or dual turn lanes	Farside
If nearside curb extension prevents autos from trying to turn right in front of bus	Nearside
If two or more consecutive stops have signals	Alternate nearside and farside (starting nearside) to maximize advantage from timed signals
If obvious, heavy single-direction transfer activity	One nearside; one farside to eliminate crossing required to transfer
If blocks are too long to have all stops at intersections	Midblock*
Major transit generators not served by stops at intersections	Midblock*
Midblock pedestrian-crossing defined by refuge island and/or striping	Midblock*
Transit center	Off-street
Major transit generator that cannot be served by on-street stop, or where ridership gain will far outweigh inconvenience to passengers already on-board	Off-street

Vlidblock bus stops are generally less desirable than stops at intersections, however they must be considered when table nearside and farside options are unavailable.

Figure 12: Criteria for Stop Placement

Source: Tri-County Metropolitan Transportation District of OR, Bus Stop

Guidelines, 2002

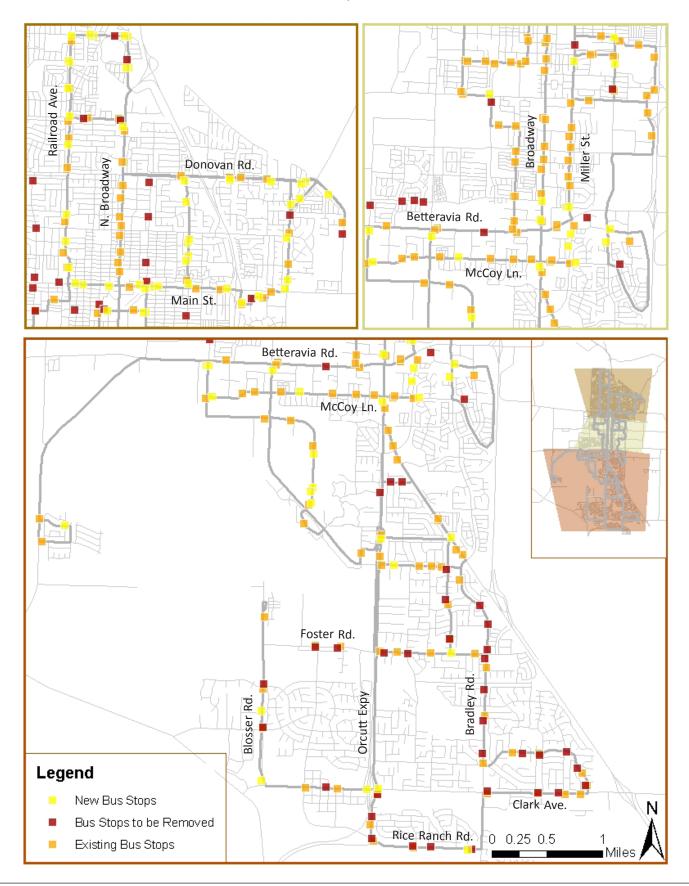
For a glimpse of current bus stop spacing and placement trends, the ArcGIS data includes up-to-date bus stop locations. By using this, Map 2 was created to analyze existing bus stops and their potential for future usage. Stops to be removed include those that did not fall along the newly implemented transit routes, were unsafe, or were replaced. Additional stops have been added in certain areas to enhance the overall system. These new stops shall follow the proposed bus stop spacing and placement guidelines discussed previously. Map 2 illustrates existing stops, stops to be removed, and new stops necessary for serving the 2011 SMAT transit routes. For more detailed information regarding stop placement by route, see Appendix G.

After analyzing the GIS data, it was evident that the majority of Santa Maria Area Transit bus stops are located within a quarter mile of each other, particularly in the denser areas of Santa Maria. However, for shorter trip durations and increased transit efficiency, it is proposed that several stops be removed or relocated in order to reduce stop frequency. Table 5 is a summary of the number of stops to be kept or removed along each route. Stops located in South Santa Maria and Orcutt are spaced greater than a quarter mile. This spacing is appropriate as it is proportional to the surrounding area's density and transit usage (See Appendix H for the detailed maps for each route).

Table	Table 5: Stop Spacing Anaylsis Results								
	Stops to be	Stops to be	New stops to						
Route	removed	moved	be added	Total stops					
Route 1 Blosser	8	3	-	57					
Route 1 Orcutt	11	1	-	68					
Route 2	4	3	-	45					
Route 3	1	1	-	29					
Route 4	7	3	-	64					
Route 7	2	4	-	29					
Route 8	5	1	-	18					
Route 7 Night	1	2	-	18					
Route 61	9	2	1	100					
Route 62	10	3	-	74					
Totals	58	20	1	-					

NEW, EXISTING, AND REMOVED STOPS MAP

Map 2



Classfication

This chapter reveals how population and employment density maps are used to determine that there were a couple of areas in Santa Maria that are not within a quarter mile of a bus stop. These areas include the neighborhood to the west of Tommie Kunst Junior High School, Sunset Ridge Golf Course, Manzanita Berry Farms, and Driscoll Strawberry Associates and are located in Type 3 and Type 4 bus stop zones according the population and employment density data.

In order for Santa Maria Area Transit stops to adequately serve riders, bus stops must be equipped with proper amenities. A functional way of organizing amenities is by bus stop type, classification of individual bus stops. With this in place, it enables standardization of costs for new bus stops or bus stop improvements, further streamlining the process for both developers and the City.

Santa Maria bus stops are categorized into four different types based on ridership (Appendix I has details). In order to determine daily boardings, daily ridership data must be collected at each stop. It is recommended that the City of Santa Maria invest in a GPS integrated Automatic Vehicle Locator system and an Automatic Passenger Counter. With this system, the City can monitor daily boardings at individual bus stops. This will enable the City to use accurate and up-to-date data when requiring the development or upgrade of bus stops. For additional information regarding the AVL and APC systems, please refer to the Recommendations Chapter.

The classification of bus stops should ideally take into consideration daily boarding, physical constraints, population and employment densities, and proximity to points of interest. Until daily boarding data is collected, the classification in Table 6 should serve as Santa Maria Area Transit's guidelines. As these are estimates, the amenities provided at new bus stops or the creation of new bus stops must take into account their proximity to points of interest and the employment and population densities of the area. Once ridership data is collected, the City should consider implementing a two-step classification process. In the two-step process, employment and classification densities are used to determine the initial classification. Ridership data is then used to further evaluate transit usage in a given area.

Table 6: Santa Maria Bus Stop Classification by Boarding	
Daily Boardings*	Bus Stop Type
0-10	Type 1
11-30	Type 2
31-60	Type 3
61 or more	Type 4
*Daily hoardings were calculated by finding the ratio between SLO Transit's and the City of	

*Daily boardings were calculated by finding the ratio between SLO Transit's and the City of Santa Maria's annual ridership.

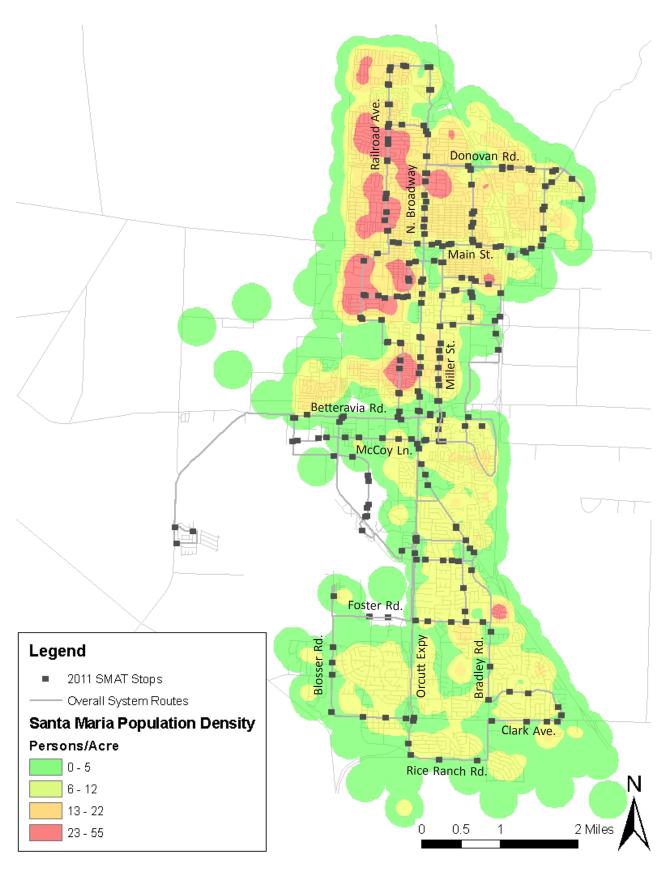
By referencing population and employment distribution, areas of greater densities can be established as having higher potential ridership. According to Santa Maria's 2010 Short Range Transit Plan, more than 52% of transit riders' final destinations were to work or school, confirming that areas of higher population or employment densities are more likely to be frequented by transit riders (Santa Maria SRTP 2010).

The population density analysis is shown in Map 3. This map shows the delineation of persons/acre within Santa Maria and the location of all SMAT bus stops. A quick analysis shows that the 2011 Santa Maria Area Transit routes serve the majority of densely populated areas, with the potential to expand service to the west of Railroad Avenue. Furthermore, Map 4 shows the employment density analysis. This map shows that areas with greater jobs per square mile are also served by the 2011 Santa Maria Area Transit routes.

Both population and employment densities are broken up into four different values. The ranges of values correspond to the four different bus stop classifications. Therefore, if a bus stop is located in the lowest populated density and the lowest employment density area that bus stop will be classified as type 1. By using this analysis, a matrix as shown in Table 7 is developed for determining the bus stop classification based on the employment and population densities.

POPULATION DENSITY MAP

Map 3



EMPLOYMENT DENSITY MAP





By knowing the population and employment densities for a given area, the final classification can be determined as shown in Table 7. For more detailed information, Appendix H contains the classification spreadsheet.

Table 7: Bus Stop Type Classification Matrix by Densities*										
Population → Employment ↓	0	1	2	3	4					
0		1	1	2	2					
1	1	1	1	2	2					
2	1	1	2	2	3					
3	2	2	2	3	3					
4	2	2	3	3	4					
*Stop classification base	d on populatio	n and employ	ment densitie	es.						

When new developments occur within Santa Maria, the housing units and potential jobs created by the development will impact the area's population and employment densities. By inputting the development information into the designated parcels within ArcGIS, the resulting density will determine the type of bus stop that is required in that location or if an existing bus stop will need to be upgraded at the cost of the developer. Please see Appendix J for further calculation explanations.

Furthermore, areas of interest, such as parks, shopping malls, and government centers should be taken into consideration when planning for new bus stop locations and classifications. These points of interest are shown in Table 8. Bus stops should be located within one-quarter mile of a point of interest, to provide a walkable connection from stop to destination as shown in Map 5. Bus stops within one-quarter mile of a point of interest should consider providing more amenities. However, the resulting classification of a bus stop due to proximity of a point of interest remains at the discretion of the City of Santa Maria.

Each bus stop classification type determines the amenities provided at that particular bus stop, as seen in Table 9. By determining the type of the new bus stops, developers and city decision makers can instantly know what is required at the stop. By utilizing the City-approved amenities listed in the Recommendations chapter, the cost of amenities are precalculated.

Table	9: Transit S	Stop Amen	ities	
	Type 1	Type 2	Type 3	Type 4
Red Curb	Х	Х	Х	Х
Schedule Info	Х	Х	Х	Х
Transit Sign	Х	Х	Х	Х
Bench		Х	Х	Х
Bike Rack		Х*	X*	X*
Night Lighting		X**	X**	X**
Recycling		Х	Х	Х
Trash		Х	Х	Х
Extra Trash			X*	X*
Shelter			Х	Х
Advertisements				Х
Electronic Sign				Χ^
Newspaper				X*
Routes Map				Х
Second Bench				X*

X* Bike rack installation subject to demand.

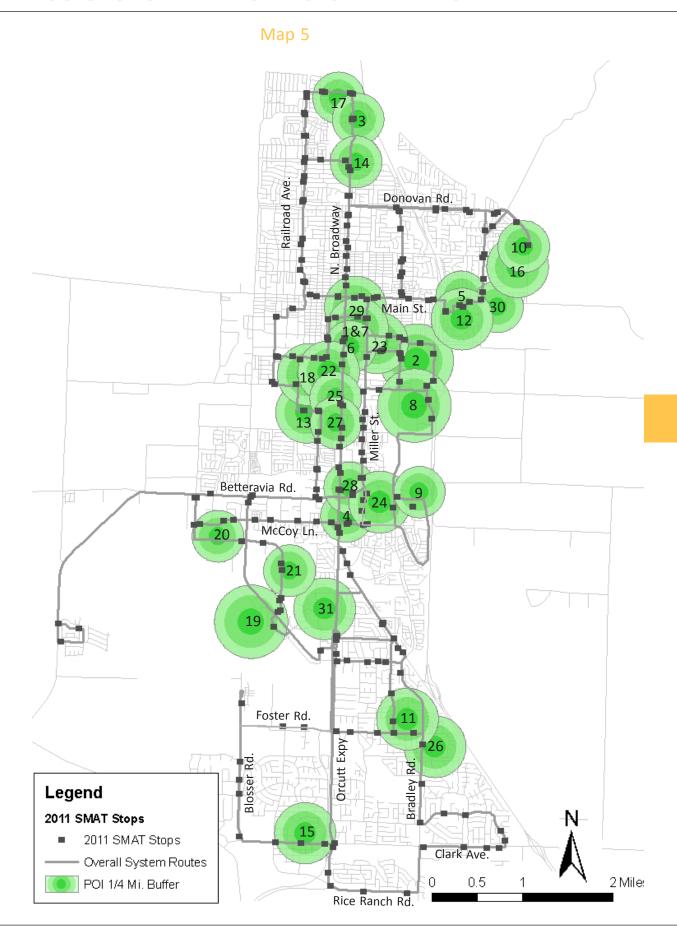
X** Amenity is dependent upon location and need.

X[^] Electronic messaging signs are installed at the

discretion of Santa Maria Area Transit.

	Table 8: Points of Interest
1	Abel Maldonado Youth Center
2	Allan Hancock College
3	Boomers!
4	Broadway Pavillion Shopping Center
5	Central Coast Kidney Disease Center
6	Children's Discovery Museum
7	Civic Center
8	Costco Power Shopping Center
9	Crossroads Shopping Center
10	Edwards Community Center
11	Ernest Righetti High School
12	Marian Medical Center
13	Minami Community Center
14	North Broadway Plaza Shopping Center
15	Old Town Orcutt
16	Pioneer Valley High School
17	Preisker Park
18	Santa Barbara County Fairgrounds
19	Santa Maria Airport
20	Santa Maria Area Transit
21	Santa Maria Country Club
22	Santa Maria High School
23	Santa Maria Intermodal Transit Center
24	Santa Maria Plaza Shopping Center
25	Santa Maria Shopping Center
	St. Joseph High School
27	Stowell Shopping Center
28	Target
29	Town Center Mall
30	Veterans Administration
31	Waller Park

BUS STOPS AND POINTS OF INTEREST MAP



Design

To better illustrate how the bus stop amenities will interact with the bus stop, the following sketches illustrate the requirements for and elements of amenities for each bus stop classification. On the following pages, Figures 13 to 18 show example sketches of each bus stop classification and their requirements. Safety, visibility, and ease of use are primary concerns in determining the location of amenities.

Bus Stop Type Amenities

Each type of bus stop is required to provide certain amenities (Table 9). The following illustrations depict the amenities for each bus stop type.

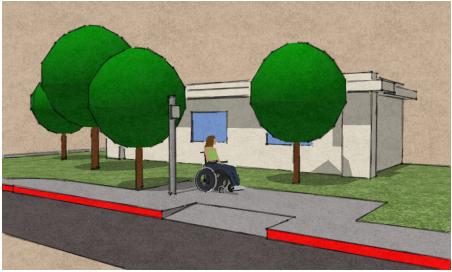


Figure 13: Type 1 includes a transit sign, a painted red curb, and schedule information.



Figure 14: Type 2 includes a transit sign, a painted red curb, schedule information, seating, and a trash receptacle.

Type 3 bus stops include a transit sign, a painted red curb, schedule and route information, a trash can, and a shelter. Below are two illustrations showing the amenities found at Type 3 bus stops.

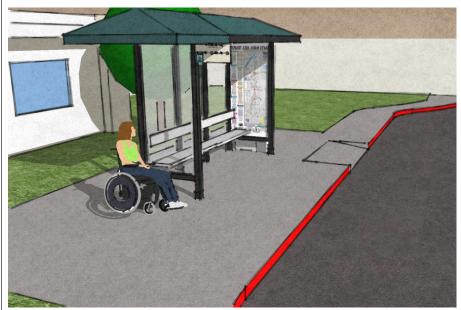


Figure 15: Type 3 bus stop with all necessary amenities.

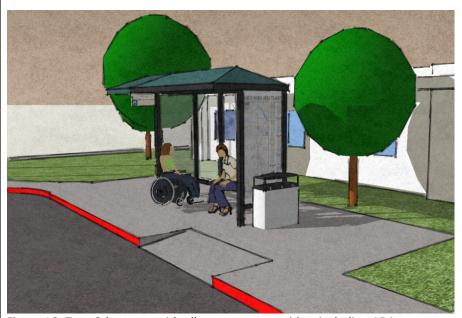


Figure 16: Type 3 bus stop with all necessary amenities, including ADA accessibility.

Type 4 bus stops include all the amenities found in Type 3 bus stops along with several additional amenities as shown in Figures 17 and 18. Type 4 bus stops include an all-routes map and advertising within the shelter. Depending on location, Type 4 bus stops may also include bike racks, newspaper stands, additional seating, or an additional shelter.



Figure 17: Type 4 bus stop with newspaper boxes and all-routes map.



Figure 18: Type 4 bus stop with bike racks and all-routes map.

Recommendations

Information on design, safety, and pricing of all bus stop amenities, including bicycle parking, shelter types, benches, signage, lighting, trash and recycling receptacles, and route information, are presented in subsequent sections of this chapter. The Santa Maria Bus Stop Improvement Plan is to implement strategies to accomplish the outlined goals and objectives outlined in the first chapter. There is considerable focus on Santa Maria's demographics and the new routes.

Detailed information about desired bus stop elements and requirements for improvements or new bus stops are discussed. These elements include the landing area, ADA requirements, signage, safety and security features, newspaper and vendor boxes, and pedestrian connections.

The landing area must meet ADA requirements and be in good condition. All newspaper and vendor boxes must be adequately secured and free of graffiti. All bus stops must have adequate pedestrian connections to surrounding facilities, while meeting ADA requirements.

Amenities for New Bus Stops

The following is an outline of the amenities and characteristics incorporated into Santa Maria's Bus Stop Improvement Plan.

Bicycle Parking

Bike racks should be included at bus stops that have potential to attract bicycle riders. Figure 19 shows an example of a bike rack. This will be encouraged in order to be compliant with the Santa Maria Bikeway Master Plan, implemented in 2009. By encouraging cyclists to bike to transit stops, it will encourage more sustainable practices and an active lifestyle within Santa Maria.

ShelterTypes

The style of new shelters should mimic the style of the shelters found at the new Transit Center. Perforated metal should be the dominant material for the shelter in order to discourage any graffiti. Roofs should be included on all shelters in order to provide shade during Santa Maria's warm summers. Three-sided shelters are encouraged in order to protect users from Santa Maria's strong winds in the fall and winter. All seating in shelters should have anti-vagrant bars, shown in Figures 20 and 21. Bus stops that are categorized as type 4 should have shelters that include advertisements. Advertisements can be located on the shelter or on a kiosk attached to the shelter. Advertisements must have their



Figure 19: Cycle-Safe, Breton Bike Rack Source: CycleSafe

own lighting if on a kiosk. Shelters must be lighted by in-shelter lighting. If possible, the shelter panels and advertisements should be coated with anti-graffiti paint. Trash cans should be attached to shelters and additional trash or recycling cans can be installed, but they must meet the guidelines discussed in the trash and recycling sections. All shelters should be ordered in black to match the bus stop amenities at the Transit Center.



Figure 20: Covered bus shelter (Tolar Manufacturing) with perforated metal siding and bench, with anti-vagrant bars.



Figure 21: Covered bus shelter (Tolar Manufacturing) with perforated metal siding and a trash can.

Seating

All seating should have anti-vagrant bars and be made of perforated metal (Figures 22 and 23). Seating styles should also mimic the shelter designs and may be ordered through Landscape Forms, pending cost estimates. If possible, the seating should be coated with anti-graffiti paint. Seating in shelters should also have anti-vagrant bars and be made of perforated metal (Figure 23), but may be ordered through Tolar Manufacturing, along with the shelters. All seating should be ordered in black to match the shelters.



Figure 23: Metal seating with a back and anti-vagrant bars Source: Landscape Forms (Plexus)



Figure 22: Metal seating (with possibility of antivagrant bars)

Source: Landscape

Forms (Plexus)

Signage

All bus stops shall have a SMAT sign indicating the location of the bus stop. The sign can be located on a utility pole or on its own pole. The sign should be two sided and placed on the side of the pole, in order for the information to be readable from both sides. Signs should also be placed at heights above seven feet as to discourage graffiti or damage to the sign. Information on the sign should include SMAT's contact number, the routes serving that stop, and the main locations served by those routes (Figure 24). The overall design of the sign should reflect the City of Santa Maria's logo.

Lighting

Light should be distributed adequately, properly lighting all signage. Figure 25 shows a freestanding Omnilight light fixture with an attached schedule rack. When appropriate, street lighting can serve as the primary bus stop lighting. Solar lighting should be considered for any new light installation at all bus stops. Shelters can implement solar lighting into advertisements and shelter lighting. Shelters ordered from Tolar Manufacturing can have solar lighting installed at an additional cost. Adequate lighting is a high priority at bus stops and it can increase safety, which can result in increased ridership. All bus stops should install lighting, either in the form of the freestanding Omnilight, a street light, or solar lighting in shelters.

Trash Receptacles

Trash receptacles should be installed at all bus stops that include a shelter and at all bus stops that include a bench, unless there is strong evidence that it is not needed. For bus stops without shelters, trash receptacles should be bolted to the sidewalk in an accessible area that is visible to users. The receptacles should be made of galvanized steel with a polycarbonate shield which makes them less prone to permanent graffiti. If possible, receptacles should also be coated in anti-graffiti paint. The trash receptacles in Figure 26 can be used at any type 2 bus stops, as well as any type 3 or 4 bus stops that need additional trash containers. For stops with large amounts of discarded cigarettes, ash trays should be considered as an addition to trash cans, and should be bolted onto the side or incorporated into the top of the receptacle. All trash receptacles should be ordered in black to match the shelters.

SML47 Souto Maria Area Transit 10 Hidden Pines Transit Center Orcutt 1B Hidden Pines Transit Center Blosser 61 Hidden Pines Transit Center Corcutt Panther Drive Transit Center Indian Pines Indian Pines Indian Pines Indian Pines Indian Center Indian Center Indian Pines Indian Pines

Figure 24: Double-Sided Bus Stop Sign

Lakeview

For SMAT Info call: 805-928-5624



Figure 25: Adequate bus stop lighting.

Source: Tolar

Manufacturing,

Omniliaht

Recycling Receptacles

Since almost all items thrown away at bus stops are recyclable and in order to promote sustainability through Santa Maria's Recycling Program, all stops that require a trash receptacle should also require a recycling receptacle. Similar to the trash receptacle, the cans should be made of galvanized steel covered with a polycarbonate shield which makes them less prone to permanent graffiti. If possible, receptacles should be coated in anti-graffiti paint. The same containers used for trash may also be used for recycling, but should be ordered in blue instead of black in order to distinguish the two types of receptacles.



Figure 26: Trash receptacle options Source: Landscape Forms (Plexus)

Programs

GPS Ridership

Data Collection

Ridership data is currently collected on a random basis, for both the route and time of day. Because of this, there was not enough data to determine the daily ridership for each stop. Installing an Automatic Vehicle Location (AVL) system will enable SMAT to collect accurate ridership data that can help the transit system enhance the bus stops classification system. AVL systems can also help the transit department with possibilities for fleet, fuel, nonrevenue mile, and wait time reductions, as well as fewer missed connections and increased ridership. When an AVL system is combined with Computer-Aided Dispatch (CAD) and Geographic Information Systems (GIS), it optimizes the system's dispatching and allows the bus system to provide service to more passengers. Using GIS enables the ridership data to be connected to a specific location, making it easy to determine which bus stop the ridership belongs to. See Appendix K for a brochure from the Federal Transit Administration about AVL systems and their estimated costs and benefits to a variety of sizes of transit systems.

Adopt-A-Stop

One major goal of Santa's Maria Bus Stop Improvement Program is to provide dependable and safe bus stops that are easily identifiable. Being able to properly maintain these bus stops is an essential step to accomplishing these goals. By implementing an Adopt-A-Stop Program, individuals, civic organizations, private companies, and church groups could have the opportunity to volunteer to help maintain the bus stop. Not only can this help with ongoing maintenance, but it can serve as an active partnership between Santa Maria Area Transit and the community.

Volunteers would select a bus stop and agree to keep their designated bus stop clean by removing litter. They would also agree to inform SMAT of any graffiti, damage, or other concerns at their bus stop. By making the pledge to volunteer, they could receive a recognition certificate, a sign could be put up at the bus stop to acknowledge their volunteer work, and SMAT could put a link on the website listing all volunteer participants of the Adopt-A-Stop Program. Everyone could benefit from this service, including Santa Maria Area Transit agency, property owners, businesses and transit riders. Currently, Adopt-a-Stop programs have been implemented in Portland, Oregon; Santa Clara, California; Denver, Colorado; Durham, North Carolina; Anchorage, Alaska; and Orlando, Florida; and Portland, Maine.

Recycling

The majority of items thrown away at bus stops are recyclable. In order to further promote Santa Maria's Recycling Program, all bus stops with shelters or high ridership should require a recycling receptacle. This program has been enthusiastically accepted by both Transit staff and the Utilities department. Further research into the logistics of implementing the program should be discussed with the Recreation and Parks Department.

Budget

Improvement Costs

By using the proposed classification system, the budget for refurbishing existing bus stops and for installing new bus stops was easily developed. Table 10 displays the total amenities to be refurbished or replaced. See Appendix L for the complete list of bus stop amenity necessities.

Table 10: Amenity Necessity for Budget								
	REFURBISH TOTALS	NEW TOTALS						
Pole	15	81						
SMAT Sign	55*	245						
Landing Pad	17	19						
Bench	105*	-						
Free-standing Bench	-	59						
Bench in Shelter	-	170						
Shelter	47*	170						
Light	2	-						
Free-standing Light	-	57						
Light in Shelter	-	92						
Trash	65*	-						
ree-standing Trash	-	59						
Trash on Shelter	-	170						
Recycling	-	0						
Trash/Recycling Combo	-	0						
Schedule Rack	27*	245						
Schedule Rack Insert	2*	245						
Sidewalk	18	13						
Crosswalk	1	5						
Red Curb	1	3						
No Park Signs	1	1						
Landscaping	13	-						
Schedule Poster	0*	170						
Advertisement	20	0						
Newspaper boxes	2	83						
Bike Rack	0*	87						
Bus Stop Removal	66	-						

The preferred manufacturers for providing new bus stop amenities are Tolar Manufacturing and Landscape Forms Incorporated. Total pricing for these proposed upgrades were calculated based on the given amenity costs from these manufacturers (Table 11). See Appendix M for an extensive budget breakdown.

Table 11: Amenit	y Pricing		
	Individual	Total	
Amenity	Cost	Needed	Total Cost
Landscape Forms Options			
backless Plexus bench with armrests	\$1,600	59	\$94,400
	\$1,870		
Plexus bench with back (3 seats, 4 arms)	(\$1,605.94)	59	\$110,330
	\$810		
28" top opening, 30 gallon Plexus trash can	(\$689.51)	59	\$47,790
Tolar Manufacting Options			
8' shelter	\$6,075	170	\$1,032,750
13' shelter	\$6,950	170	\$1,181,500
17' shelter	\$7,355	170	\$1,250,350
	\$650 per		
ability to extend roof depth from 4'8" to 5'8"	shelter	170	\$110,500
	\$250 per		
in shelter trash can package	shelter	170	\$42,500
post mount schedule holder (min. 12)	\$94.50	245	\$23,153
flat back-to-back shelter advertising kiosk	\$825 per		
(downstream)	shelter	87	\$71,775
shelter map case	\$375	107	\$40,125
stand alone Omnilight and 10' schedule 40 pole			
(min. 120)	\$975	57	\$55,575
110 V illumination in shelter kiosks	\$225	87	\$19,575
CycleSafe			
The Breton bike rack (surface mount)	\$310	87	\$26,970

Funding Sources

In order to fund the proposed recommendations, multiple funding sources will need to be utilized. Developers of approved projects are to be responsible for the funding of new bus stops and stop upgrades that are necessary as a result of the proposed project. Furthermore, the Federal Transit Agency (FTA) offers a Federal Grant 5307. Federal Grant 5307 makes federal resources available to urbanized areas and transportation related projects. According to the Santa Barbara County Association of Governments (SBCAG), Santa Maria is estimated to receive \$2,251,218 from the grant in 2011 and \$2,296,242 in 2012. Either the Office of Program Management or the Office of Resource Management and State Programs must be contacted to receive qualification and application information. This grant, however, only funds up to eighty percent of the project, therefore, a state or local grant must then be used to fund the remaining twenty percent of the project.

The Transit Development Act (TDA) is a potential state funding option that allocates 0.25% of the state sales tax to transit agencies. TDA provides transit agencies with the Local Transportation Fund (LTF), which is the fund that administers the sales tax. In order for transit agencies to receive the money, they must meet a farebox recovery standard of 10-20%, determined by the percentage of their service that is classified as either urbanized or non-urbanized. According to David Whitehead, the Director of Public Works, the City of Santa Maria is allocated \$2,642,842 for the 2011-2012 fiscal year. Proposition 1B, the Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act (2006), can also be used as a local funding source. Funds for Proposition 1B are to be allocated annually over a ten year period to transportation related projects that plan to better the environment and the community. According to SBCAG, SMAT is estimated to receive \$2,122,157 for the 2011-2012 fiscal year from Proposition 1B, based on population and farebox revenue. Table 12 shows the total allocation for each funding source and how it applies to the budget.

Table 12: Funding Sources												
Funding Source	Total Available for 2011	Total Available for 2012	% of "Grand Total"	Total Funds from Source								
Grant 5307	\$2,251,218	\$2,296,242	80%	\$3,240,740								
LTF	\$2,642	2,842*	20%	\$810,185								
Prop 1B	\$2,12	2,157*	20%	\$810,185								
*2011-2012 Fiscal Year												
**Can use eith	er LTF or Prop 1	3										

FTA's Grant 5307 and LTF are grants that require an annual assessment of regional transit needs and must be applied for by the City of Santa Maria to determine how much money will be allocated to SMAT. By utilizing these potential funding sources, seeking to improve advertisement revenue, and building relationships with business owners and other city residents, the City of Santa Maria can work to obtain funding sources in order to complete the individual phases proposed in the Bus Stop Improvement Plan.

Phasing

Phasing of the project can allow Santa Maria's Transit Department to effectively implement all necessary bus stop improvements. New SMAT bus stop signs, new route maps, and schedule rack inserts are of highest priority and they should be installed before the adoption of the new system routes in December of 2011. All new stops may begin as a Type 1, and as ridership data is collected, the bus stop's classification should be reevaluated based on population density, employment density, and ridership data, and the bus stop type should be revised if necessary. Updating all existing bus stop amenities is the next important phase of the project. All Type 1 bus stops should be updated first, along with lighting for all bus stops, new SMAT signs, schedule racks, and schedule inserts. New trash cans should be installed next at all appropriate bus stops. Following the previous installations, benches and shelters should be installed concurrently. Extra amenities such as bike racks and newspaper boxes should be installed last. As new shelters are installed, advertising and system route maps should be included where appropriate. Table 13 presents a phasing diagram of the proposed improvements.

Table 13: Phasing									
Task	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5				
New route maps	Х								
Schedule rack inserts	Х								
New SMAT bus stop signs		Х							
Lighting		Х							
Schedule racks			Х						
Trash cans			Х						
Benches				Х					
Shelters				Х					
Bike racks					Х				
Newspaper boxes					Х				

Conclusion

The Santa Maria Bus Stop Improvement Plan addressed areas of concern and proposed changes in order to create an easily identifiable, safe, and efficient transit system. By following and utilizing the goals, policies, and proposed funding strategies presented in the Bus Stop Improvement Plan, the City of Santa Maria can further enhance the transit system and properly plan for future bus stop developments.

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Appendix A

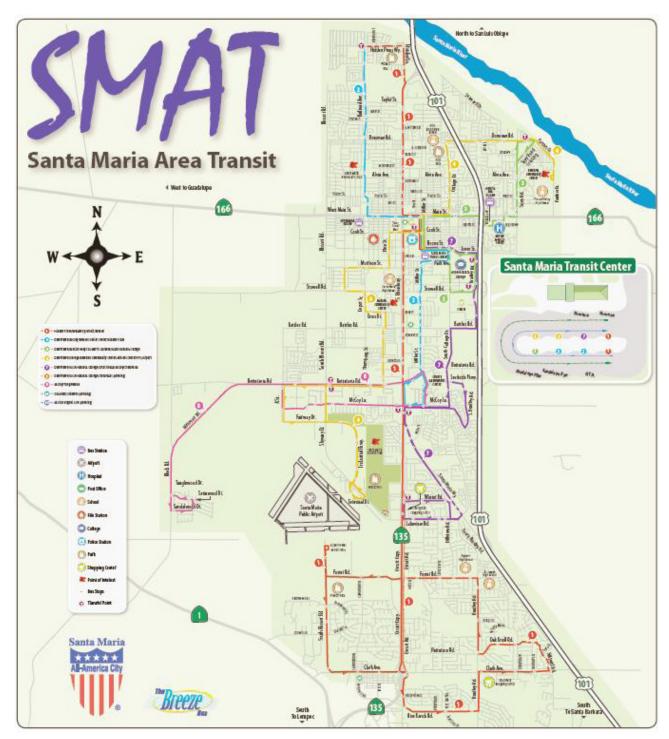


Figure A-1: 2011 Santa Maria Area Transit System Routes

Appendix B

				Santa M	Maria	Bus S		sessme	nt Resea	arch		-			
CITY	Info. On Santa Maria's demographics	Discussion of passanger amenities	SMAT	Bus stop location	Safety	Drawings and Sketches	ADA Standards	Sustainability components	Inventory information	Implementation tools	Organization of report	BRT	Public Input	ITS, "Smart" Signals	Street Design
SLO		×		x		x			x	x	x	100 - 100 100 - 100 100 - 100	×		x
SB Metro Transit District	x		x										x		
SD Metro Transit System				х	х	85									
AC Transit Oakland		x		x	x	x	x	x							x
Fresno Dept of Trans.				х											
exas Trans. Institute		x		x	x	x	x	x			33	22 / 22		x	x
Monterey/ Salinas Transit		x		x	x			×			x	x		x	
Chico: Butte Regional Transit		x		x	x	x	x		×	×	x				×
Toronto, Canada						x		x			x	x		x	x
Collier Area Transit: Collier County, FL				x						×					
City of Glendale, CA	Х	х											х		

Figure B-1: Background Research City Matrix, part 1

Į.		30 V		Santa I	Maria	Bus S	top As	sessmei	nt Resea	arch	22.1	geo 190	9	. 01	x
СІТҮ	Info. On Santa Maria's demographics	Discussion of passanger amenities	SMAT	Bus stop location	Safety	Drawings/Sket ches	ADA Standards	Sustainability components	Inventory	Implementatio n tools	Organization of report	BRT	Public Input	ITS, "Smart" Signals	Street Design
Golden Empire Transit District		x		x											x
Livermore Amador Valley Transit Authority		×				х									
OMNITRANS San Bernardino	x	x		x		x					x				
Riverside Transit Agency	х	×				х								х	
Santa Cruz Metro Transit District											х				
SunLine Transit Agency				х		х					x				
Toolkit for Bus Stop Accessibility & Safety		x		x	x	x	x		x	x	x				
Inter City Transit Olympia, WA		x		x	x	x	x								

bold indicates cities or research with most pertinent information indicates particular subject of importance

Figure B-2: Background Research City Matrix, part 2

Appendix C

Environment	Spacing Range	Typical Spacing		
Central Core Areas of CBDs	300 to 1000 feet	600 feet		
Urban Areas	500 to 1200 feet	750 feet		
Suburban Areas	600 to 2500 feet	1000 feet		
Rural Areas	650 to 2640 feet	1250 feet		

Figure C-1: Typical Bus Stops Spacing by Development Type Source: TCRP 19 – Guidelines for the Location and Design of Bus Stops

Chapter 3

STREET-SIDE FACTORS

STREET-SIDE PLACEMENT CHECKLIST

Several items should be considered when designing and locating a bus stop on a roadway. The following checklist of street-side items should be reviewed with each design because it brings together related issues that can have a significant impact on the safe operations of the bus stop.

- Standardization: One of the most critical factors in the street-side design and placement of a bus stop involves standardization or consistency. Standardization is desirable because it results in less confusion for bus operators, passengers, and motorists. Consistency in design, however, can be difficult to achieve since traffic, parking loss, turning volume, community preference, and political concerns can influence the decisions.
- Periodic Review: A periodic review of bus stop conditions (both street side and curb side) is recommended to ensure the safety of bus passengers. This will encourage the timely reporting of items such as missing bus stop signs and poor pavement.
- Near-Side/Far-Side/Midblock Placement: Each type of placement has advantages and disadvantages. In general, each bus stop location should be evaluated individually to decide the best placement for the stop.
- Visibility: Bus stops should be easy to see. If the bus stop is obscured by nearby trees, poles, or buildings, the bus operator may have difficulty locating the stop. More importantly, however, motorists and bicyclists may not know of its existence and will be unable to take necessary precaution when approaching and passing the stop. In addition, visibility to pedestrians crossing a street is also an important consideration in areas that permit "right turns on red."
- Bicycle Lanes and Thoroughfares: When a bike lane and a bus stop are both present, the operators need to be able see cyclists in both directions while approaching the stop. Sufficient sight distance for cyclists to stop safely upon encountering a stopped bus is also needed.
- Traffic Signal and Signs: Bus stops should be located so that buses do not restrict visibility of traffic signals and signs from other vehicles. Because all bus passengers become pedestrians upon leaving the bus, pedestrian signal indicators should be considered at nearby signalized intersections.

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Figure C-2: Street Side Safety Checklist for Bus Stop Placement, Part 1. Source: TCRP 19 – Guidelines for the Location and Design of Bus Stops

STREET-SIDE FACTORS

Chapter

STREET-SIDE PLACEMENT CHECKLIST

3

- Roadway Alignment: Horizontal and vertical roadway curvature reduces sight distance for bus operations, motorists, bicyclists, and pedestrians. Additionally, bus stops located on curves make it difficult for the bus operator to stop the bus parallel to the curb and safely return to the driving lane. Where possible, bus stops should be located on sections of relatively straight and flat roadway. Trees and poles should not obstruct the visibility of the bus operator for cross traffic and passenger and pedestrian movement.
- Driveways: Avoid locating bus stops close to a driveway. If placing a bus stop close to a driveway is unavoidable (for example, to lessen the loss of parking in a commercial area), keep at least one driveway open to vehicles accessing the adjacent development while a bus is loading or unloading passengers. Also, locate bus stops to allow full visibility for vehicles leaving an adjacent development and to minimize vehicle/bus conflicts. Placing bus stops on the far side of driveways will minimize conflicts; however, sight distance for left-turning vehicles from the driveway will still be a concern.
- Location of Pedestrian Crosswalks: A minimum clearance distance of 5 feet between a pedestrian crosswalk and the front or rear of a bus at a bus stop is desirable.
- Location of the Curb: Where possible, locate stops where a standard curb height of 6 inches exists. Bus steps are designed with the assumption that the curb is the first step. It is more difficult for elderly persons and passengers with mobility impairments to board and alight from the bus if the curb is absent or damaged.
- Street Grades: Where possible, bus stops should not be located on an upgrade in a residential
 area, since the bus engine noise created when the vehicle accelerates from a stop will bother area
 residents. Placing bus stops on steep grades should be avoided if slippery winter conditions
 prevail.
- Road Surface Conditions: Since alighting passengers generally move from their seats when the bus decelerates on approach to a bus stop, do not locate a bus stop where the roadway is in poor condition such as areas with broken pavement, potholes, or ruts or where a storm drain is located. The resultant motion of the bus in such a situation may cause bus passengers to fall and injure themselves. Boarding and standing passengers are also susceptible to falls or injuries where poor pavement conditions or low drainage basins exist.

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Figure C-3: Street Side Safety Checklist for Bus Stop Placement, Part 2. Source: TCRP 19 – Guidelines for the Location and Design of Bus Stops

Appendix D

BUS S	STOP CHECKLIST					PART	A: ID	ENTIFICATION	LOCAT	TON
loute N	iame:	Location:			Weather Conditions	2. (5)	111-13	Stop No.:		
		/		- 6						
- 84		PART	A: IDENTIFI	CATI	ON/LOCATIO	N				
	1 12 1 121 2 121								Yes No	D N/A
41	Is there a bus shelter?		- 4 2						0.0	
	If YES, what is the nui	mber of the sh	ieiter?						Yes No	o N/A
	If NO, is there an exte	rior alternative	shelter nearb	y (i.e.	- awning, overh	angs, un	derpa	iss)?	0.0	
12	Street Name:	and the second		655000	1 1999		64	1 30 1	300	
43	Nearest Cross Street	(street name o	or landmark if r	mid-ble	ock):					
	D D J Di Ji									
44	Bus Route Direction: North Bound	-	South Bou	nd	-	More	thon	one direction		
			1 - 2 - 2 - 1 - 1 - 2 - 1 - 1			More	unan	one direction		
A5	East Bound What is the purpose o	f the stop?	West Bour	ıu						
	at to the purpose of	and otop:		Bo	th Boarding		Oth	er (specify):		
	Park and Ride	Boarding			d Alighting		0.000	and the same of th		
***	Kiss and Ride	Alighting		4 6 7 7 7 7	ansfer					11100
46	What is the average n	umber of daily	/ boardings at	the sto	op?					
17	Where is the bus stop	positioned in	relation to the	neare	st intersection?				10.55	
	Nearside (Before the I									1
- 1	Far Side (After the bu	s crosses the	intersection)							1
- 1	Mid-block									1
- 1	Not near an intersection	on								1
- 1	Freeway bus pad	***								1
- 1	N/A								р	1
	1000									
BUS	STOP CHECKLIST					PART	А: П	ENTIFICATIO	N/LOCA	по
	Name:	Location:			Weather Condition			Stop No.:		
								3550		
				_						
A8	Distance from bus sto	on note to curt	of cross stree	et in fe	opt.					
-10	Diotarioc from bas sta	op poic to car.	7 01 01000 0000	J. 111 10						
A9	Adjacent property add	dress or name	of business (only if	readily visible):					
	estate and another									
A10	Adjacent Property De	scription:			4-1					
	Apartment	Industrial (Oito/Dida		Dode		2	Cabaal		
	Building	industrial	oite/Blug.		Park Park and Ride			School Supermarket	14	-
	Day Care Government	Mall/Shop	ning		rain allu Niue			Supermarket		1
	Building	Center	Paris		Place of Wors	hip		Transit station	center	E
	11 TO		- 18 B		Residence -					
	Hospital	Nursing H	ome		townhouse			Vacant lot		t
			1. T. P. S.		Residence –		12.7	Other (specify)):	
	NAME OF TAXABLE PARTY.	1			detached			(opcom)		
	Human Service	DESCRIPTION OF THE PERSON			dottadilod			1		
	Agency Distance from previous				Retail Store					į.

BUS STOP CHECKL	IST	PART B:	PART B: PEDESTRIAN ACCESS FEATURE				
Route Name:	Location:	Weather Conditions:	Stop No.:				

				11	-	a Assessme		- 3	Yes No	
B1	Is there a land	ling area at	least 5 feet	wide and	8 feet deep a	djacent to the	curb/street?			
32	Where is the la	anding area	positioned	in relation	to the curb/st	reet?		530		
	Below street le	evel		128	Shoulder		Other (speci	fy):		
	(low ground or	shoulder)			Adjacent		A STATE OF THE STA			
	Sidewalk				Bus Bulb		Off-Road/No	sidewalk	- 0	
33	What is the ma	aterial of th	e landing ar	ea?	83		386-0403-03	9500		
	Asphalt		Dirt		Gravel		Other (speci	fy):	122	
	Concrete		Grass		Pavers	Pavers 🗆				
	If YES, rank resulting accessibility		cessibility po	Not Accessible		Minimally Accessible		Aco	essible	
	Uneven		= = =			П		, ,,,,,,		
	Slopes up from	n the street								
	Slopes down from the street									
	Requires stepping over drain inlet		rain	п				п		
	Other (Specify	()		П						
				orași a construi				T	Yes No	
35	Are there any	obstacles t	hat would lir	mit the mo	bility of a whe	elchair?				

	TOP CHECKLIST	ALC: NOT	No.		B: PE	DESTRIAN ACCESS FEATU	KES
Route N	lane:	Location:	,	Veather Conditions:		Stop No.:	
B6	Additional landing are	a commen	ts:			€er	
B7	Landing area recomm	endations:					
	Widen sidewalk to ex	pand landir	ng area to 5 feet wide a	nd 8 feet deep			5
	Install curb bulb or rei	nove on st	reet parking				8
	Move object to improve					Å-C	
	Make the following re	pairs (spec	ify):				
	Other (specify):						
	100 - 100 - 1	Sect	ion B-2: Connectio	ns (Trip Genera	tors)	
B8	What are the primary		tors for passengers at t				
	Apartments - large building/complex		Human service agend	cy – what kind?	П	School –Elementary/Middle	
	Apartments - small building		Library			School -High	
	Townhomes		Major Shopping/empl	oyment		School - College/University/	
			(Mall, Wal-Mart, Kma big department store)			Technical school	
	Detached homes		Neighborhood Shopp			Senior center	
	0.400.600.000.000.000.000.000		(supermarket, drugsto			- Substitution and the	
			strip mall with basic n		2701		
	Day care/pre-school		Nursing home/assiste	ed living		Transfer to other bus routes	
	Gas station	п	Office building/employ	yment		Transit station/center	
	Government building	п	Park and Ride lot			Other (Specify):	
	Hospital/major clinic	п	Place of worship				
	Hotel		Restaurant				

Route N	ane.	Location:		Wor	ther Condi	Weather Conditions:		Stop No.:		
							55210.			
				3						
B9	How wide is the sidew	valk?								
	No sidewalk	less than 3'		3'-5'		5' or gre	ater		N/A	Г
B10	Are there physical bar stop is located?	riers that cons	trict the wid	dth of the si	dewalk v	vithin the	block on	which t	the bus	Yes No
	If YES, what is the na	rrowest useabl	le width:						5/8	
	Less than 3'				3' or gre	ater				
B11	Rank the condition of	the sidewalk:	-00	·		400			ii.	
	1 0	2	П	3		4			5	
	2=in poor shape thoug 3=fair – minor root up 4=good – not perfect 5=cosmetically excelle	lifting, minor cr but no immedia	racks or bre		e root up	lifting, cra	acks, bre	aks	-16	
B12	3=fair - minor root up 4=good - not perfect 5=cosmetically excelled Does the landing pad	lifting, minor cr but no immedia ent; new connect to the	racks or bre ate repair sidewalk?	eaks	e <mark>ro</mark> ot up	lifting, cra	acks, bre	aks	Ì	Yes No
B12	3=fair - minor root up 4=good - not perfect to 5=cosmetically excelled Does the landing pad If YES, what does the	lifting, minor cr but no immedia ent; new connect to the e sidewalk conr	acks or breate repair sidewalk? nect to:	eaks				aks		0.70000000
-55455.	3=fair - minor root up 4=good - not perfect to 5=cosmetically excelled Does the landing pad If YES, what does the One of the trip general	lifting, minor cr but no immedia ent; new connect to the sidewalk conn ators listed in C	acks or breate repair sidewalk? nect to:	eaks		lifting, cra		aks		00
B12	3=fair - minor root up 4=good - not perfect to 5=cosmetically excelled Does the landing pad If YES, what does the	lifting, minor cr but no immedia ent; new connect to the sidewalk conn ators listed in C	acks or breate repair sidewalk? nect to:	eaks	The nea	rest inter	section	aks	Ì	00
B13	3=fair - minor root up 4=good - not perfect to 5=cosmetically excelled Does the landing pad If YES, what does the One of the trip general Where is the nearest	lifting, minor cr but no immedia ent; new connect to the e sidewalk conr ators listed in C street crossing	sidewalk? nect to: uestion B8	eaks	The nea	rest inter	section	93196		0.0
-55455.	3=fair - minor root up 4=good - not perfect to 5=cosmetically excelled Does the landing pad If YES, what does the One of the trip general Where is the nearest The nearest intersective What pedestrian ame	lifting, minor cr but no immedia ent; new connect to the esidewalk conr ators listed in C street crossing ion nities are at the	sidewalk? nect to: uestion B8	eaks	The nea	rest inter	section	93196		0.0
B13	3=fair - minor root up 4=good - not perfect to 5=cosmetically excelled Does the landing pad If YES, what does the One of the trip general Where is the nearest	lifting, minor cr but no immedia ent; new connect to the esidewalk conr ators listed in C street crossing ion nities are at the	sidewalk? estion B8 opportunit	eaks	The nea	rest inter	section	nity)?		0.0
B13	3=fair - minor root up 4=good - not perfect to 5=cosmetically excelled Does the landing pad If YES, what does the One of the trip general Where is the nearest The nearest intersection What pedestrian ame Curb cuts all corners/	lifting, minor cr but no immedia ent; new connect to the sidewalk conn ators listed in Co street crossing ion nities are at the	sidewalk? ect to: uestion B8 opportunit	y?	The nea	rest inter	section ralk opportu	nity)?		
B13	3=fair - minor root up 4=good - not perfect to 5=cosmetically excelled Does the landing pad If YES, what does the One of the trip general Where is the nearest The nearest intersection What pedestrian ame Curb cuts all corners/ both sides	lifting, minor cr but no immedia ent; new connect to the sidewalk conr ators listed in C street crossing ion nities are at the	sidewalk? nect to: uestion B8 opportunit e nearest in Pedestri Audible	y?	The nea Mid-bloo (or other g signal signal	ck crossw crossing	section valk opportui Traffic Crossi Tactile cut	nity)?	rd assistan	ce _

BUS S	BUS STOP CHECKLIST			PART B: 1	PEDESTRIAN ACCI	ESS FEATURES
Route No	me:	Location:	Weather (Conditions:	Stop No.:	
B15	Is there a companio	on bus stop across the	street?			Yes No N/A
B16	THE STATE OF THE S	ons to other transportati		ous stop?		Yes No
	Bus services, same		Local Rail		Commuter Rail	
	Greyhound		Other (Specify):	**		
B17	Pedestrian connect	tion recommendations:	8 97-51 KS			
	Construct sidewalk					
	Widen sidewalk					
	Improve landing are	ea connections to sidew	/alk			
	Move object to import Make the following	rove accessibility (spec	ify where):			
	Other (specify):					
B18	Additional pedestria	an connection comment	is:			

Route N	TOP CHECKLIST	Location:		Weather Conditions:	. I MODELIN	Stop No.:	ORT AMENITI
1000		25cuilon.		nearly commons.		3.02 3.0	
					-		
		PART C:	PEDESTRIAN	COMFORT AM	ENITIES		
	Section	on C-1: Shelt	ers (move to	Section C-2 if th	ere is no	shelter)	
C1	What is the orientation						
	Facing towards the s	street					
	Facing on-coming tra	affic					
	Facing away from th	e street					
C2	What kind of shelter				280-290-0	1551 2007	
	Own transit agency	П	Another transi (shared stop)		Other	(Specify):	П
C3	If non-standard shelf	ter, what are the	approximate din	nensions (width, hei	ght and dep	th in feet) of t	the interior
	standing area? Width:						
	Height:						
	Depth:						
٠.	2	2		: 12			Yes No
C4	Does the shelter hav	e a front center	panel (i.e. two of he opening?	penings)?			
	, 20,a. a. a	11 11	no opening.				
C5	Could a person using	g a wheelchair n	naneuver into the	shelter?			Yes No
C6	Could a person using a wheelchair maneuver into the shelter? Could a person using a wheelchair fit completely under the shelter (minimum space of a						Yes No
	common mobility de What are the dimens	vice is 30 in. by sions of the clea	48 in. (760 mm b r space in the she	y 1200mm))? elter?	A 4 A 1 S A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	2000	0 0
			and the second s				
C7	What is the distance			1	1	-	
	0-2' = 2	!'-4' □	4'-6'	6'-8'	8' - 10'		>10'
				1000 A 800 A 10			
	TOP CHECKLIST	1.			: PASSENO		ORT AMENITI
Route N	(ane:	Location:		Weather Conditions:		Stop No.:	
							Yes No
C8	Are there damages to If YES, check all that		er?				
	Broken panels						п
	Graffiti						
	Holes in the roof						п
	Missing panels						п
	Needs repainting						П
	Other (specify):						п
C9	What is the approxim	nate age of the	shelter?				
C10	Rank the condition of			1		-	_
	1 0	2	п 3		4	П	5 n
	1=hazardous - brok						
	2=in poor shape though not hazardous 3=fair – needs repainting, glass panels need thorough cleaning, protruding but not hazardous bolts						
	3=fair – needs renai	nting glass pan	els need thoroug	n cleaning promini	KI DIJI DOLEN	1/60 0000 0000	
	3=fair – needs repail 4=good – not perfec			n cleaning, protrudii	ig but not n	azaruous bon	13

Route N	ione:	Location:		Weather Con	ditions:	Stop No.:		
				4				
C12	Shelter recomme	endations:						
		Remove center panel						
	Make the following	ng repairs (specify	r):					
	Move object to in	nprove accessibili	ty (specify wh	ere):			- 4	
	Move shelter to in	mprove accessibil	ity (specify wh	nere):				
	Other (specify):							
volume.	Section (C-2: Seating As	ssessment	(move to Sec	tion C-3 it	f there is no se	ating)	
C13	What is the type	of seating availab	le?	ALTO THE TOTAL OF			- CANADA	
	Bench inside she	elter - skip to que	estion C15					
	Freestanding ber	nch						
	Fold down bench							
	Leaning bench							
	Other (specify):	Other (specify):						
C14	If not inside shelt	er, what is the dis	tance of the s	eating from the c	urb in feet?	9	1/4	
	0-2' 🗆	2'-4'	4' - 6'	□ 6'-8'	п	8' - 10'	>10'	
C15	Are there probler	ns with the seatin	a?	8:	- 10		Yes No	
	If YES, check all that apply:							
	Broken pieces							
	Needs painting							
	Graffiti							
	Not securely insta	alled						
	Other (specify):							

BUSS	S STOP CHECKLIST					PAI	ENGER CO	ER COMFORT AMENITIES		
Route Name:			Location:		We	Weather Conditions:		Stop No.:		
C16	Rank the co	ndition of th	he seating:		l l			<u> </u>		
0.0	1		2		3		4		5	
	1=hazardou 2=in poor si 3=fair – nee 4=good – ne 5=cosmetic	hape though ds repaintin ot perfect bi	h not hazan ng, needs c ut no imme	dous osmetic atte	ention,, prot		ot hazardou	ıs bolts		
	1									
C18	Seating reco	ommendatio	ons:							
C18	Seating reco			ility (specify	where):					
C18		g to improv	ve accessib		where):					

BUSS	STOP CHECKLIST			PART C: PA	SSENC	ER COMFOR	RT AMENITIES
Route N		Location:		Weather Conditions:	7/2	Stop No.:	
ž.		- North-			- 33		CARREL CO.
31	Section C-3: Tr	ash Assessment	(move to	Section C-4 if there	is no	trash recep	tacle)
C19	What is the type of in	nstallation for the tras	sh receptacle	?		•	
1000774	Attached to the shelf						
	Free standing	520					
	7. To all a Carlos S. Carl						
	Garbage bag						8 9
	Bolted to sidewalk						
30	Other (specify):						
C20	Are there problems	with the track recents	sale and sure	ounding area0			Yes No
CZU	If YES, check all tha	with the trash recepta	acie and surre	ounding area?			
		тарріу.					7
	Trash can very full						
	Graffiti at bus stop						
	Bus stop littered	5.30					
	Grocery carts left at	stop					
	Trash can not secure	ely installed					
	Adjacent property litt						
	Other (specify):	iorod					
C21	Additional Comment	e.					ш
CZI	Additional Comment						
C22	Trash recommendat	ions:					
							п
	Install trash can due to litter problem Make the following repairs (specify):						-
	mane are renorming to	openio (openi).					
	Move trach can to in	nprove accessibility (s	enacify whore	a).			
	Other (specify):	iprove accessibility (opecity where	-1-			
	Other (Speedily).						
	N.						
						WW. B. B. L. LOUIS	
	TOP CHECKLIST	1210			SSENG		TAMENITIES
Route No	zne:	Location:		Weather Conditions:		Stop No.:	
		i.v			-		
	Section C.A. M	lawananar Payaa	/mous to	Part D if there are r	20 20	rananar hai	raal
	Section C-4: IV	ewspaper boxes	(move to	Part D II there are I	to nev	spaper box	Yes No
C23	Are the newspaper b	oves a harrier to side	walk use?				
CZS	7 ac alc newspaper b	ones a partier to side	walk asc:	1900-9			Yes No
C24	Are the newspaper b	oxes a barrier to bus	access/egres	ss?			
P-SOL	A STATE OF THE STA					8	Yes No
C25	Are they chained to t	he bus stop pole, she	elter, or bench	n?			
							Yes No
C26	Are they blocking acc		chedule info?	10			
C27	Additional newspaper	r box comments:					
C28	Nowenance have reco	mmondations:					
C28	Newspaper box recor Move trash can to im		nocifi whom	١٠			
	INDVE trasti Call to IIII	prove accessibility (S	pecity where	<i>J</i> -			
8	Other (specify):						
	Other (specify).						

BUS STOP CHECKLIST		PART	T D: SAFETY AND SECURITY FEATURES
Route Name:	Location:	Weather Conditions:	Stop No.:

	PART D: Safety and Security F			
	Section D-1: Traffic and Pedestr	ian Issues		
D1	Where is the bus stop area located?	N.		
	In travel lane		D	
	Bus lane/pull off area			
	Paved shoulder			
	In right turn only lane			
	Unpaved shoulder			
	Off street		п	
	"No Parking" portion of street parking lane			
	Other (specify):			
D2	Is the bus stop zone designated as a no parking zone? If YES, indicated by:		Yes No	
	One "No Parking" sign			
	2 or more "No Parking" signs			
	"Bus Only" sign		0	
	Painted curb			
	Painted street			
D3	Are cars parked between the landing area and the bus stopping are	a?	Yes No	
D4	What is the posted speed limit in MPH?	Not posted		
D5	What are the traffic controls at the nearest intersection for the street		35	
	Traffic signals	-		
	Flashing lights		D	
	Stop/Yield sign		_ D	
	None			
	Other (specify):		0	

BUSS	TOP CHEC	LIST						PARTI	: SAFET	Y AND SE	CURIT	Y FEATURES
Route N	ame:	0.00	Loca	tion:		l	Weather Cond	litions:		Stop No.:		
D6	How many	total la	nes are o	n hoth s	ides of the	e mad2				- 15		
Do	1		2		3		4	П	Other (s	pecify):		N/A =
D7	Is there on						er the bus sto	op zone	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Yes No N/A
D8	Are there p			azards?	ă.							Yes No
	The bus st	op is jus op is jus	st over the	curve in	the road	ooina						0
	The bus st Waiting pa A stopped	ssenge	rs are hid	den fror	n view of	approac	hing bus					0
	Bus stop ju				rain							0
	High speed			C7200								П
	No crossw	alk										П
52-155	Other (spe		500.6	118 - 1	20	60.000						
D9	Additional		1124		-X00 III			ably ta	ken in t	he eveni	ing or	at night)
		8228	150	(0-3 if no li				Ĭ	3 1
D10	What type		ng is ava	llable?				10% 180	.5×			10000
	Street light	J. St. 2 (2) (1)										
	Shelter ligh	_										
	Outside lig		jacent b	uilding								
	Other (spe	cify):										

	TOP CHECKLIST			FETY AND SECURI	IY FEATURI
Route N	ame:	Location:	Weather Conditions:	Stop No.:	
		92:	52	120	
CO PRINT	The art of the second of the	100			Yes No
D11	Does the light prod	uce a glare?			
D12	How even is the lig	ht distributed?			Yes No
D13	Additional commer	its:			
		Sec	ction D-3: Pay Phone		
					Yes No
D14	Is there a pay phor	ne within the immediate	vicinity?		
	If NO, skip to Ques	tion D16.	- 1111 (-111	6	2 000 TOTAL TOTAL
					Yes No
D15	is the pay phone w	ithin reach of a wheelch	air user?		Yes No
D46	If no nav phone is a	arouided is there a polic	o call boy?		11/20/2014/6/20
D16 D17	Additional commer	provided, is there a polic ets:	C can bux?	A S	
		Section D-	4: Landscaping Assessmen	t	Yes No
D18	Are there problems	with the landscaping a	round the hus ston?		TES NO
010	If YES, check all th		ourid tile izdo stop:		п п
		oaching on the landing	area		
		oaching on the sidewalk			70.
	Tree branches that	would nit the bus			
	Other (specify):				
RIIS	STOP CHECKLIST		PART D. S.	AFETY AND SECURI	TV FF ATIR
Route N		Location:	Weather Conditions:	Stop No.:	IIILIION
				9:0	
D19	Additional commer	nts:	-	1	
	E		5: Safety Recommendation:	S	80
D20	Improve pedestria	n safety by:			П
	Trim trees or brand	ches			
	Move bus stop to:				
	Other (specify):				
	Other Copecity).				

BUS STOP CHECKLIST	\$-	PART E:	INFORMATION FEATURES
Route Name:	Location:	Weather Conditions:	Stop No.:

	PART E: Information Features	
12010	and the first control of the control	Yes No
E1	Is there a bus stop sign?	0.0
-1545-0	If NO, move to question E6.	
E2	What provider name is on the bus stop (list all providers utilizing stop)?	
	Provider 1:	
	Provider 2:	
	Provider 3:	
	Provider 4:	
		Yes No
E3	Are bus routes indicated on the bus stop sign?	
	If YES, what routes?	-555
E4	How is the sign installed?	
	On its own pole	
	On a building	
	On a utility pole	
	On a shelter	
	Other (specify):	
		Yes No
E5	Are there problems with the signage?	
	If YES, check all that apply:	
	Sign in poor condition	
	Pole in poor condition	
	Sign position hazardous to pedestrians	
	Sign not permanently mounted	
	Lighting on sign is poor	
	Other (specify):	

BUSS	TOP CHECKLIST		PA	RT E: INFORMATION I	FEATURE
Route N	ane:	Location:	Weather Conditions:	Stop No.:	
	T				Yes No
E6	Is there route/sch	nedule/map (circle as app	ropriate) information posted?		
77.5		e to question E9.			
E7			appropriate) information posted?		
	On Pole under bu			1	0
	On its own pole				D
	On a building			1	D
	On a utility pole				0
	On a shelter				
	In a shelter				D
	Other (specify):				
	तः विवासि व्यक्तिय			3	Yes No
E8	Is the information	at eye level of a wheelch	nair user?		0 0
FO	In Manager a substitution	de es els0			Yes No
E9	Is there a schedu	ile rack?			Yes No
	If YES, are repair	rs needed?			
	ii 120, are repair	o needed:		1	Yes No
E10	Is there real time	information display?			0.0
	and the same we are a second	la la constanta de la constanta	Part No. 11		Yes No
	If YES, is it at eye	e level of a wheelchair us	er?		
E11			Toolkit for the Assessment of Bus	Stop Accessibility and	Yes No
	Safety for guideli				
E12		ovided in Braille or by a Ta	alking Signs® transmitter for people	with visual	Yes No
E40	impairments?	0.0	111111111111111111111111111111111111111	111111111111111111111111111111111111111	
E13	Additional signag	e & information comment	S:		
E14		nation recommendations:			
	Make the following	ng repairs:			D
	Other (specify):				
TTC 07	TOD CHECKE ICT		DIDTE DUCTURE	TIC CITTOU OF NUC	TOCD IN
oute No	TOP CHECKLIST	Location:	PART F: DIAGRAMMA Weather Conditions:	Stop No.:	LOGKAPE
oute No	ime.	Location:	reamer Conamons:	Stop Ivo.:	
		1			

Sketch or photograph the layo locations of:	out of the bus stop area and any traffic controls. O	on sketch or photograph, be sure to note
Bus stop sign pole	Newspaper boxes	Traffic signals/stop signs
Other poles	Anything else installed at bus stop	Railroad tracks
Landing Pad	Sidewalks	Bus stop across the street
Shelter	Sidewalk barriers	Heating units in shelters
Bench	Crosswalks	Bike racks
Trash can	Curb cuts	North/South/East/West

Appendix D-1: Bus Stop Checklist

Source: Toolkit for the Assessment of Bus Stop Accessibility and Safety

Appendix E

Attribute	Data Entry	Further Explanation
"Existing Route 1"	""Breeze", " 1 - SMAT", "2 -	Existing routes which serve particular bus
"Existing Route 2"	SMAT", "3 - SMAT", "3P -	stop: SMAT and The Breeze only.
"Exisiting Route 3"	SMAT", "4 - SMAT", "5 -	Stop. Chi ii and the Dioces sing.
"Exisiting Route 4"	SMAT", "7 - SMAT", "7N -	
"Existing Route 5"	SMAT", "8 - SMAT", "20 -	
"Existing Route 6"	SMAT", "24 - SMAT", "40 -	
"Existing Route 7"	SMAT", "45 - SMAT", "61 -	
"Existing Route 8"	SMAT", "62 - SMAT", "All",	
"Existing Route 9"	"All SMAT"	
"Existing Route 10"	7 SIL OWN ST	
"Existing_Route_10"		
"Future Route 1"	"Breeze", "1 - SMAT", "2 -	Routes that will serve particular bus stop unde
"Future Route 2"	SMAT", "3 - SMAT", "4 -	the new SRTP: SMAT and The Breeze only.
"Future Route 3"	SMAT", "7 - SMAT", "8 -	The new Sixty : Siving and the Breeze only.
"Future Route 4"	SMAT", "9 - SMAT", "11 -	
"Future Route 5"	SMAT", "All", "All SMAT"	
"Future Route 6"	3181A1 , A11 , A11 3181A1	
"Future Route 7"		
"Future Route 8"		
"Future Route 9"	_	
"Other Services 1"	"The Breeze, "Greyhound",	-
"Other Services 2"	"Clean Air Express", "SMAT",	
	"Guadalupe Flyer", "RTA -	
"Other_Services_3"	10", "Smooth"	
"Landmark"	100 characters	
"Stop_Seq_Num_1"	"1", "2", "3", "4", "5", "6", "7",	Number value for stop along particular route -
"Stop_Seq_Num_2"	"8", "9", "10", "11", "12", "13",	SMAT and The Breeze only.
"Stop Seq_Num_3"	"14", "15", "16", "17", "18",	55
"Stop Seq_Num_4"	"19", "20"	
"Stop Seq_Num_5"		
"Stop Seq_Num_6"		
"Stop Seq_Num_7"		
"Stop Seq_Num_8"		
"Stop Seq_Num_9"		
"Stop Seq_Num_10"		
"Stop Seq_Num_11"		AND THE STREET STREET
"Stop_ID_Num"	3 Characters	Unique ID number for bus stop, no correlation
		to routes.
"Stop_Name"	100 characters	Technical name of bus stop, such as "S.
		Broadway at Betteravia"
"Street_Name"	50 characters	
"New_or_Existing"	"New" or "Existing"	For distingushing between potential bus stop
		locations and existing bus stop locations.
"Stop_Install Date"	50 characters	Date of installation of existing bus stops, OR
		goal installation date of a new bus stop
"Shelter_length"	10 characters	Measurement of whole shelter.
"Shelter Manufacturer"	50 characters	
"Shelter ID Num"	10 characters	+

Attribute	Part A - Identification : Data Entry	Further Explanation or questions if needed
"Route Dir"	"North Bound", "East Bound",	rutulei Explanation of questions if fleede
"Route_Dir Mult"	50 characters	For multiple routes
Route_Dir_Mult	The state of the s	For multiple routes.
	"Park and ride", "Kiss and	
	ride", "Boarding", "Alighting",	
a	"Boarding and Alighting",	
'Stop_Function_1"	"Transfer"	
'Stop_Function_2"		
"Future_Transfer"	"Yes" or "No"	Note if it will be a good mid-route transfer spot
'Daily_Boardings"	"0-9", "10-30", "30-50", ">50"	
	crosses the intersection",	
	"Far Side - after the bus	
	crosses intersection", "Mid-	
	Block", "Not near an	
	intersection", "Freeway bus	
"Stop Position"	pad", "N/A"	
Stop_r osition	pau, iwa	
"Directional Side Street"	"N", "S", "E", "W"	2
"Directional Intersection"	"N", "S", "E", "W"	
"Pole to cross street"	10 characters	+
"Adjacent_Prop_Address"	50 Characters	+
Adjacent_1 top_Address	"Apartment Bldg", "Day	
Adjacent Dren Dece 1"	Care", "Gov't Bldg",	
Adjacent_Prop_Desc_1"	Care , Govt blog ,	
Adjacent_Prop_Desc_2"	A	
Adjacent_Prop_Desc_3"		
Adjacent_Prop_Desc_4"		
"Adjacent Prop Other"	50 characters	
'Dist_Previous_stop"	10 characters - numerical	Distance from pervious bus stop
"Identification_Notes"	100 Characters	
		complete the different classifications for bus
		stops. This is referencing what classification
"Future_Classification"	50 characters	we want it to become
"Exisiting_Classification"	50 characters	
'Eliminate Stop"	"Yes","No", "Needs further	
To provide the providence of t	, , , , , , , , , , , , , , , , , , , ,	
	3	If getting rid of bus stop, all information must
'Eliminate_Explanation"	100 Characters	still be filled out and an explanation of why.

Attribute	Data Entry	Further Explanation or question
"Landing Area 5 x 8"	"yes" or "no"	Future Expranation of question
"Landing_Area_5 x 6"	"Below Street Level", "Sidewalk",	
Landing_Location	shoulder, "Adjacent Bus Bulb", "Other",	
	"None"	
	"Asphalt", "Dirt", "Gravel", "Concrete",	-
"Landing Material"	"Grass", "Pavers"	
"Landing_Waterial" "Landing_Surface_Prob_1"	"None", "Uneven", "Slopes Up from	
"Landing Surface Prob 2"	Street", "Slopes down", "Requires	
"Landing Surface Other"	100 characters	-
Landing_Sollace_Other	"Not Accessible", "Minimally	
"Landing Accordibity"	Accessible", "Accessible"	
"Landing_Accessiblity" "Wheelchair Obstacles"	100 characters	Link to photograph
	"None", "Widen Sidealk to Expand to 5ft	Link to photograph
"Landing_Rec_1"	x 8ft", "Install Curb Bulb", "Remove on	
"Landing Rec 2"		
Landing_Rec_2	Street Parking", "Move Object to Improve Accessibility", "Other"	
"Landing Das Other"	100 characters	
"Landing_Rec_Other"		
	"Large Apartment Complex", "Small	
	Apartment Complex", "Townhomes",	
	"Detached Homes", "Day Care", "Gas	
	Station", "Gov't Building", "Hospital/Major	
	Clinic", "Human Service Agency",	
	"Library", "Major Shopping/Employment",	
	"Neighborhood Shopping", "Nursing	
	Homes", "Office Builing", "Park and Ride	
	Lot", "Place of Worship", "Restaurant",	
"Trip Generator 1"	"School - Elementary", "School - High	
"Trip_Generator_2"	School", "School - College", "Senior	
"Trip_Generator_3"	Center", "Transfer to Other Bus", "Transit	
"Trip_Generator_4"	Station", "Other".	
"Trip_Generator_Other"	50 characters	
"Sidewalk_Width"	"No Sidewalk", "Less than 3"', "3'-5"', " 5'	
V-14	or greater"	
"Sidewalk Barriers"	"Yes" or "No"	
"Sidewalk Barriers Width"	"Less than 3"', "3'-5"', "5' or greater"	
	"1 - Hazardous: Large break, cracks, root	Link to photograph for any damage.
	uplifiting, potential danger"; "2 - In poor	
	shape though not hazardous, very rough,	
	some root uplifting, cracks and breaks";	
	"3 - Fair: Minor root uplifiting, cracks or	
	breaks"; 4 - Good: not perfect but no	
	immediate repair"; "5 - Cosmetically	
"Sidewalk Condition"	excellent, New."	
"Landing Connection"	"There is no sidewalk", "A Trip	1
_canding_connection	Generator", "Intersection"	
"Crosswalk Location"	"Nearest Intersection", "Mid-block	
O1000Walk_LUCatIUII	Crosswalk"	
2	Ciusswalk	

	Part B - Pedestrian Access	
Attribute	Data Entry	Further Explanation or questions
"Intersection_Amen_1"	"None", "Curb cuts all corners/both sides, "Visible crosswalk", "Curb cuts at	
"Intersection_Amen_2"	some corner/one side", "Pedestrian	
"Intersection_Amen_3"	crossing signal", "Audible crosswalk signal", "Acessible Pedestrian Signal",	
"Intersection_Amen_4"	"Traffic light", "Crossing guard assisstance", "Warning strip on curb	
"Intersection_Amen_Other"	50 characters	
"Companion_Stop"	"Yes" or "No"	
"Ped Connection Rec 1"	"Construct sidewalk", "Widen sidewalk",	
"Ped Connection Rec 2"	"Imrpove landing area connections to	
"Ped Connection Rec 3"	sidewalk", "Install curb cut", "Move object	
"Ped_Connection_Notes"	100 Characters	
"Pedestrian Comments"	100 characters	

Attribute	Data Entry	Further Explanation
	"Facing towards the street", "Facing on-	
	coming traffic", "Facing away from the	
"Shelter Orientation	street"	
Shelter_Standing_W"	5 characters	Needed for ADA compliance
Shelter Standing H"	5 characters	Inceded for ABA compliance
Shelter Standing Depth"	5 characters	
	5 characters	Needed for ADA compliance
"Shelter_Opening_W"		Needed for ADA compliance
"Shelter_Opening_H"	5 characters	N. 1.16 0D0
"Wheelchair_Accessible"	"Yes" or "No"	Needed for ADA complaince - at
2;		least 30 in x 48 in
Level of the state	"0' - 2"', "2' - 4"', "4'-6"', "6'-8"', "8'-10"',	
"Dist_shelter_to_curb"	">10"	
"Damages_Shelter_1"	"None", "'Broken panels", "Graffiti",	Link to photograph of any
"Damages_Shelter_2"		damages
"Shelter_Condition"	"1 - Hazardous: Broken glass, unstable";	Link to photograph of any
	"2 - In poor shape though not	damages
	hazardous"; "3 - Fair: needs repainting",	
	"Glass panels need thorough cleaning",	
	"Protruding but not hazardous bolts"; "4 -	
	Good: not perfect but no immediate	
	repair needed"; "5 - cosmetically	
"Shelter Advertising"	"Yes", "Yes and needs replacing", "No"	
The state of the s	"Full roof", "Partial roof", "Two-sided",	
Shelter_Type 1		
Shelter_Type 2	"Three-sided", "Four-sided", "Front Panel"	
"Shelter_Rec_1"	"None", Remove center panel", "Make	
"Shelter Rec 2"	following repairs:", "Move object to	
	improve accessibility", "Move shelter to	
"Shelter_Rec_3"	improve accessibility", "Other"	
"Shelter_Notes"	100 characters	
	"Bench inside shelter", "Freestanding	
	bench", "Fold down bench", "Leaning	
"Seating_type"	bench", "None"	
"Dist_seating_to_curb"	"0-2"", "2'-4"", "4'-6"", "6'-8"". "8'-10"", ">10"	
"Seating Prob 1"	"None", "Broken pieces", "Needs	
"Seating Prob 2"	painting", "Graffiti", "Not securely	
"Seating Prob 3"	installed"	
"Seating Condition"	"1 - Hazardous: broken, someone could	Link to photograph of any
	get hurt from normal use"; "2 - In poor	damages
	shape though not hazardous"; "3 - Fair:	aumages
	Needs repainting and cosmetic attention,	
	protruding but not hazardous bolts"; "4 -	
	Good: not perfect but no immediate	
	repair needed"; "5 - Cosmetically	
<u></u>	excellent, New"	
"Seating_Rec"	"Move seating to improve accessibility",	
	"Make the following repairs)", "None"	
"Seating_Notes"	100 characters	

Attribute	Data Entry	Further Explanation
"Trash_Installation"	"Attached to the shelter", "Free standing", "Garbage bag", "Bolted to sidewalk", "Other" "No Trash can"	
"Recycling Available"	"Yes" or "No"	
"Trash_Prob_1"	"None", "Trash can very full", "Graffiti at	
"Trash_Prob_2"	bus stop", "Bus stop littered", "Grocery	
"Trash_Prob_3"	carts left at stop", "Trash can not	
"Trash_Rec_1"	"None", "Install trash can due to litter	
"Trash_Rec_2"		
"Trash_Rec_3"	- X	
"Trash_Notes"	100 characters	
"News_Box_prob"	"Barrier to sidewalk use", "Barrier to bus acceses/egress", "Blocking access to posted bus schedule info", "None", "No newspaper box"	
"News_Box_Location"	"Chained to bust stop pole", "Shelter or bench", "No newspaper box"	
"Newspaper_comments"	100 characters	3

Attribute	Part D - Safety and Security Data Entry	Further Explanation or questions
"Stop_Area_Location"	"In travel lane", "Bus lane/pull of area", "Paved shoulder", "In right turn only lane", "Unpaved shoulder", "Off street", "No parking portion of street", "Parking lane", "Other"	T WILLION EMPIRITURE OF QUESTIONS
"Stop_Area_Location_Other"	100 characters	
"No_park_zone_1" "No_park_zone_2" "No_park_zone_3"	"None", "One 'no parking' sign", "2 or more 'no parking' signs", "Bus only" sign, "Painted curb", "Painted street"	
"Red_Curb"	"Yes" or "No"	
"Cars_Parked"	"Yes" or "No"	
"Speed_limit" "Traffic_controls_1" "Traffic_controls_2"	10 characters "Traffic signal", "Flashing lights", "Stop/yield sign", "None", "Other"	
"Total_Lanes"	"1", "2", "3", "4"	
"No_Park_Length"	10 characters - numerical	Link restriction of a configuration of
"Traffic_hazards_1" "Traffic_hazards_2"	"Bus stop is over the crest of a hill", "Bus stop is just after a curve in the road",	Link to photograph of any damages.
"Traffic_hazards_3" "Traffic_hazards_4"	"Bus stop is near an at grade railroad crossing", "Waiting passengers are hidden from view of approaching bus", "A stopped bus straddels the crosswalk", "Bus stops just before crosswalk", "High speed traffic", "No crosswalk", "None"	
"Traffic_comments" "Lighting_source"	100 characters "None", "Street light", "Shelter lighting", "Outside light on adjacent building"	
"Light glare"	"Yes" or "No"	
"Light_distributed"	"Yes" or "No"	
"Payphone"	"Yes" or "No"	
"Payphone_accessible"	"Yes" or "No"	
"Police_call_box"	"Yes" or "No"	
"Landscaping_Prob_1"	"Trees/bushes encroaching on the landing area", "Trees/bushes encroaching	
"Landscaping_Prob_2"	on the sidewalk", "Tree branches that could potentially hit the bus", "None"	
"Ped_Safety_Rec_1"	"None", "Trim trees or branches", "move	
"Ped_Safety_Rec_2"	bus stop", "Other"	450 G
"Safety_Comments"	100 characters	if moving bus stop, specify where and why.

	Part E - Information Feature	The second secon
Attribute	Data Entry	Further Explanation or questions
"Bus_Stop_Sign"	"Yes" or "No"	
"Bus_Stop_Provider"	100 characters	
"Sign_Routes"	"Yes" or "No"	
"Sign_Routes_Notes"	100 characters	
"Sign_installation"	"On its own pole", "On a shelter", "On a building", "On a utility pole"	
"Sign_Prob_1"	"None", "Sign in poor condition", "Pole in	Link to photograph for damages.
"Sign_Prob_2"	poor condition", "Sign position	
"Sign_Prob_3"	hazardous to pedestrians", "Sign not	
"Sign_Prob_4"	permanently mounted", "Lighting on sign	
"Schedule_Posted"	"No", "On pole under bus stop sign", "On its own pole", "On a building", "On a utility pole", "On a shelter", "In a shelter"	
"Information Accessible"	"Yes" or "No"	
"Schedule_Rack"	"Yes and repairs are needed", "Yes", "No"	
"Real Time Info"	"Yes" or "No"	

Appendix F

questionable damage								
Stop Name	Landing Surface Prob.	Landing Surface Prob.2	Landing Surface Other	Landing Access	Wheelchair Obstacles	Landing Rec.	Landing Rec.2	Landing Rec. Other
A Street at McCoy (Vocational Training Cntr)				Not Accessible	no sidewalk or curb cut to get to shelter	widen sidewalk		construct sidewalk to near driveway and curb cut
Autopark at Mercury (Casino Bus Center)				Minimally Accessible	landscaping	other		trim bushes
Betteravia at Thornburg	Other		narrows after stop and dirt			other		and surroundin g
Blosser at Solomon	Uneven	Drain Inlet Issue		Not Accessible	grass, no curb cuts	other		install landing area with curb cut
Bradley at Allan Hancock SB					some debris from trees			
Bradley at Patterson	Uneven	Drain Inlet Issue		Minimally Accessible	grass	other		install landing pad
Bradley at Stowell SB	Uneven	Slopes Up		Minimally Accessible	sidewalk very uneven	other		repair sidewalk
Broadway at Hermosa (Walgreens)	Uneven		due to tree			other		pavement, difficult for
Broadway at Orchard SB	Uneven		cracks in sidewalk		crack in sidewalk	other		fix sidewalk
College at Park SB (Hancock College)			graffiti	Not Accessible	bench takes up all concrete			
Cypress at Nicholson	Uneven		wheelchai r	Not Accessible	mud, no path to sidewalk	other		concrete landing

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Donovan at Bay	Other		only 5'x7'			other		maybe make landing area larger
Donovan at Canyon					street parking potential for obstacle	remove street parking		
Donovan at College	Other		bolts from previous shelter sticking up slightly					
Donovan at La Salle (Pepperwood)						plant tree		
				Not	bench too close to	move		move bench
Enos at Minami Center SB				Accessible	sidewalk	object		onto grass
Foster at California SB	Uneven	Drain Inlet Issue			dirt, grass, gravel	other		install landing pad
Foster W of Broadway (across Mental Health)	Uneven	Drain Inlet Issue		Minimally Accessible		ak	install curb bulb	
Foster at Hummel SB	Uneven	Inlet	stops right at bus stop. 1/2		sidewalk stops, turns to widen grass sidew	widen sidewalk		
Foster at Orcutt Frontage (The Jetty)				Minimally Accessible	grass and wheelchair ramp only to restaurant	other		install ramp
Hillview at Cambria NB	Uneven					other		fix sidewalk/l anding concrete

Hillview at Stratford NB	Uneven		Minimally Accessible		other	- 0 d d	move stop closer to phone pole
Industrial at RR Tracks			Not Accessible	no sidewalk, only street and grass	other	0 8 22 8	construct sidewalk and landing area
Industrial at Skyway			Not Accessible	no sidewalk and no curb cut			
Lakeview at Bedford			Not Accessible	No sidewalk	other	<u>.</u>	install sidewalk
Lakeview Rd. at Lakeview Ct.	Uneven	Drain Inlet Issue	Minimally Accessible	sidewalk ends at bus stop	widen sidewalk		
Miller at Battles	Uneven		Not Accessible	sidewalk uneven due to tree root	widen sidewalk		
Morrison at Thornburg (SMHS)			Minimally Accessible	distance between bench/shelter and edge of sidewalk is too narrow	widen sidewalk		
Morrison at Western NB	Uneven		Not Accessible	。 l	widen sidewalk		
Orcutt Frontage at Evergreen Shop Cntr				bench on too much of sidewalk			
Pine at Jones SB	Uneven		Minimally Accessible	small sidewalk to curb but cars parked in front blocking access to bus	remove street parking		

			from					
Railroad at Fesler	Other		adjacent					
			dirt,					install
		Drain Inlet grass,	grass,	Not	material and			landing
Rice Ranch Rd at Graciosa	Uneven	Issue	sand	Accessible	lack of space	other		pad
Santa Maria Way at Del Cielo MHP NB	Uneven	Issue	no	Accessible	curb cuts	sidewalk	qınq	sidewalk
					no sidewalk,			
Santa Maria Way at Holly Oak SB (Del Cielo	,	;		Not	no landing, dirt widen	widen	install curb	
MHP)	Uneven	Slopes Up		Accessible	surface	sidewalk	qlnq	
								install
								concrete
				Not	material is dirt			landing
Tanglewood at Black Rd	Uneven			Accessible	and grass	other		pad
					tight squeeze			
					between			
					bench and			
Taylor at Casa Grande MHP					utility pole			
			isn't	Minimally	corner and it			pave
Thornburg at Betteravia NB (N of Betteravia)			paved	Accessible	isn't paved	other		corner
			rs have to Minimally	Minimally	dirt/grass	widen	street	small
Western at Stowell	Uneven		nse	Accessible	between	sidewalk	parking	concrete
	24	10	13	27	30	32	4	22
TOTALS:					39			

questionable damage		v					
Stop Name	Sidewalk Barriers	i G idewalk ©ondition	Pedestrian Connect	Ped. Connect Rec.1	Ped. Connect Rec.2	Ped. Connect Rec.3	Ped. Connect Notes
A Street at McCoy (Vocational Training Cntr)		_	Construct Sidewalk	Install curb cut			
Autopark at Mercury (Casino Bus Center)	Yes	e					
Blosser at Solomon		_	Install Curb Cut	Construct Sidewalk			
		- O O O +-				move seating out of sidewalk	
Bradlev at Patterson	Yes	ے ھ	Move Object			or widen sidewalk	
Bradley at Stowell SB	Yes	2 - poor					
Broadway at Hermosa (Walgreens)		3 - fair					fix sidewalk cracks
Broadway at Jones SB (RR Tracks)		3 - fair	Improve Connections			sidewalk is uneven	
Church at Palisade (Marian Hospital)			Construct Sidewalk				
College at Chapel			Improve Connections			install crosswalk	
Donovan at Canyon		۲				consider crosswalk at Donovan and Canyon intersection	
Enos at Minami Center SB	Yes	-					
Foster at California SB			Improve Connections	Construct Sidewalk	Make Repairs	crosswalk to California	

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						-	
Foster W of Broadway (across Mental Health)		හ	Construct Sidewalk	Improve Connection s	Install Curb Cut		
Foster at Hummel SB	Yes	_ · LGK	Construct Sidewalk	Improve Connection s			
Foster at Orcutt Frontage (The Jetty)	Yes)	Construct Sidewalk	Improve Connection s			
Hillview at Stratford NB		3 - fair					
Industrial at RR Tracks			Construct Sidewalk			if keeping stop, construct sidewalk	
Industrial at Skyway		3	Construct Sidewalk	Install Curb Cut			
Lakeview at Bedford	Yes	5	Construct Sidewalk	Improve Connection s	Install Curb not ADA Cut accessib	not ADA accessible	
Lakeview Rd. at Lakeview Ct.		3 - fair	Construct Sidewalk	Improve Connection s			
		3				trim Iandscape	
McCoy W of Thompson	Yes	- · ro -	Make Repairs			so that it doesn't block sidewalk	
						fix sidewalk, slopes up, barrier for	
Miller at Battles		3 - fair	Improve Connections			wheelchair s	
Morrison at Western NB			Widen Sidewalk				

		_				move	
		ທ ທ				back, uses	
Orcutt Frontage at Evergreen Shop Cntr	Yes	h h	Move Object			too much sidewalk	
						consider	
Orcitt Frontage at Winter Rd SB			Improve Connections			crosswalk at ston	
						sidewalk	
			1000	Improve		doesn't	
Pine at Jones NB			Construct Sidewalk	Connections		continue to Jones	
						sidewalk	
Railroad at Grant			Improve Connections			painting worn	
						consider	
						installing	
						crosswalk	
						from stop	
			•			to other	
Bailroad at Mostan			Improve			side of	
Railluau at vista iviolitaria			COILIECTIONS			פוו בבו	
Rice Ranch Rd at Graciosa			Construct Sidewalk	Make Repairs			
Santa Maria Way at Del Cielo MHP NB		hazardous	Sidewalk	Connection	Cut		
Santa Maria Way at Holly Oak SB (Del Cielo			Construct	Improve Connection Move	Move	move stop	
MHP)			Sidewalk	S	Object	north	
		- Φ					bench
		s c					takes up
		n +					sidewalk
		٠ د	Widen	Move			space, move or
Suey at Fesler	Yes	а	Sidewalk	Object			widen

						move	
		3				bench	
		_				away from	
		ı				pole so	
		2				wheelchair	
Taylor at Casa Grande MHP	Yes	-	Move Object			can fit	
						install	
			Improve	Make		painted	
Thornburg at Newlove			Connections	Repairs		crosswalk	
			Construct	Connection	Connection Install Curb		
Thornburg at Betteravia NB (N of Betteravia)			Sidewalk	S	Cut		
	11	7	29	16	9	17	2
TOTALS:				35			

scratches on panels damaged replacem Shelter panels cloudy glass panels Notes need rust, Shelter Rec.3 Shelter Rec.2 Repairs Repairs Repairs Repairs Repairs Repairs Repairs Make Repairs Repairs Repairs Repairs Repairs Repairs Repairs Repairs Shelter Make Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Advertising Needs Needs Shelter Needs Needs Needs Needs Needs Needs Needs Condition Shelter 3 - fair Needs Repainting Needs Repainting Needs Repainting Damages₂ Needs Repaining Repainting Repainting Repainting Repaining Missing Shelter Graffiti Needs Needs Needs Graffiti Panels Needs Graffiti Graffiti Other Needs Repainting Repainting Repainting Repainting Repainting Repainting Repainting Damages Broken Panels Shelter Graffiti Graffiti Graffiti Needs Graffiti Needs Needs Graffiti Needs Graffiti Needs Graffiti Needs A Street at McCoy (Vocational Training Cntr) Bradley at Crossroads Shopping Cntr Broadway at Williams NB (Donovan) Bradley at Stowell NB (In-N-Out) Broadway at Betteravia (CVS) Broadway at Colegio (SMHS) Bradley at Allan Hancock SB Betteravia East of Broadway Main at Bradley (Freeway) Airport Mobile Home Park Broadway at Carmen **Broadway at Battles Bradley at Taco Bell** Betteravia at Target **Broadway at Alvin** Stop Name

questionable damage

Broadway at Enos NB	Graffiti	Needs Repainting			Make Repairs	advertisin g needs replacem ent on breeze
Broadway at Enos SB	Graffiti	Needs Repainting			Make Repairs	also breeze shelter, panels need replacem ent and has advertisin g
Broadway at Fesler	Needs Repainting			Needs Replacement	Make Repairs	take out 1 advertize ment and put in route info
Broadway at Grant	Graffiti				Make Repairs	2000
Broadway at McElhany	Needs Repainting		3 - fair		Make Repairs	additional panels
Broadway at Mill	Holes in Roof			Needs Replaceemnt	Make Repairs	
Broadway at Newlove SB	Graffiti	Needs Repainting	3 - fair	Needs Replacement	Make Repairs	
Broadway at Orchard NB	Graffiti				Make Repairs	
Broadway at Orchard SB	Graffiti	Needs Repainting			Make Repairs	graffiti and clean
Broadway at Stinky's	Missing Panels	Needs Repainting	3 - fair		Make Repairs	

Broadway at Williams SB (N of Donovan)	Needs Repainting	Graffiti	3 - fair		Make Repairs	replace or clean panels, due to scratches
Church at Palisade (Marian Hospital)	Broken Panels			Needs Replacement	Make Repairs	
Clark at Oak Knoll Center EB (S of st.)	Graffiti	Needs Repainting			Make Repairs	
College at Park NB (Hancock College)	Needs Repainting	Graffiti		Needs Replacement	Make Repairs	
College at Park SB (Hancock College)	Missing Panels	Graffiti	3 - fair		Make Repairs	
					Make	panels have
Cook at Western WB	Graffiti	Other			Repairs	scratches
						2 shelters
		Needs		Needs	Make	at stop of
County Government Center	Graffiti	Repainting		Replacement	Repairs	styles
						replace
Foster at Bradley (Righetti HS)	Graffiti	Needs Repainting	3 - fair		Make Repairs	some panels
		-				noticeabl
						e trash
						problem
						at shelter,
						gramiti on
						plastic
						panels,
						schedule
						ın panels
						o
	Needs			Needs	Make	advertise
Main at College	Repainting	Graffiti	3 - fair	Replacement	Repairs	ment

) : -				(; ; ; ;		
damamge		Make			Broken		
and							
missing							
glass		Repairs				Graffiti	Stowell at Cecelia (Marian Urgent Care)
graffiti on		Make					
		Repairs	Replacement			Repainting	Santa Maria Airport
		Make	Needs			Needs	
		Repairs		3 - fair	Repainting	Graffiti	Railroad at Taylor
		Make			Needs		
graffiti		Repairs				Graffiti	Railroad at Donovan SB
due to		Make					
panels							
replace							
on panels		Repairs				Graffiti	Pine at Morrison (BV Park)
scratches		Make					
graffiti							
holder		Repairs				Graffiti	Orcutt Frontage at Winter Rd NB
graffiti on schedule		Make					
		Repairs			Repainting	Graffiti	Morrison at Thornburg (SMHS)
		Make			Needs		
		Make Repairs	Needs Replacement		Graffiti	Needs Repainting	Miller at Stowell
		Repairs	Replacement	3 - fair	Repainting	Graffiti	McCoy W of Broadway
		Make	Needs		Needs		
ent		Repairs			Repainting	Graffiti	McCoy at Broadway (S side st.)
replacem		Make			Needs		
need							
panels		_					
		Make Repairs				Needs Repainting	McCoy at Broadway (Albertson's) (N side st.)
bent							Main West of Suey
and is							
stickers							
sign has							
SMAT							

								all 5
								shelters
								need to
								pe
								replaced
								or taken
								out and
								replaced
								with
								shelters
								to serve
	Broken			Needs		Make	Move	new
Town Center Mall Transit Cntr	Panels	Graffiti	3 - fair	Replacement	Other	Repairs	Shelter	routes
	47	34	19	20	47	_	_	22
				20				
TOTALS:				48				

questionable damage

Stop Name	Seating Prob.1	Seating Prob.2	Seating Prob.3	Seating Condition	Seating Rec.	Seating Notes
	Needs				Make	needs
Main at Bradley (Freeway)	Painting				Repairs	cleaning
	Needs				Make	
Betteravia East of Broadway	Painting				Repairs	
	Needs				Make	
A Street at McCoy (Vocational Training Cntr)	Painting				Repairs	
	Needs				Make	
Airport Mobile Home Park	Painting				Repairs	
	Broken	Needs			Make	
Alt. Town Center Mall	Pieces	Painting			Repairs	
	Broken	Needs			Make	
Autopark at Mercury (Casino Bus Center)	Pieces	Painting		3 - fair	Repairs	
	Needs				Make	
Betteravia at Target	Painting				Repairs	
	Needs				Make	
Betteravia at Westgate	Painting				Repairs	
	Needs				Make	
Bradley at Allan Hancock NB	Painting				Repairs	
	Needs				Make	
Bradley at Crossroads Shopping Cntr	Painting			3 - fair	Repairs	
	Needs				Make	
Bradley at Francine	Painting	Graffiti			Repairs	
	Broken		Needs		Make	
Bradley at Parkland (St. Joe HS)	Pieces	Graffiti	Painting	3 - fair	Repairs	
	Broken	Needs			Make	
Bradley at Patterson	Pieces	Painting	Graffiti	3 - fair	Repairs	
	Needs				Make	
Bradley at Stowell NB (In-N-Out)	Painting				Repairs	
	Broken	Needs			Make	
Bradley at Stowell SB	Pieces	Painting			Repairs	
	Needs				Make	
Bradley at Taco Bell	Painting				Repairs	
	į	Needs	Broken	,	Make	
Bradley at Village NB	Graffiti	Painting	Pieces	3 - fair	Repairs	

						also
						another
						concrete
						bench
						that
						needs
Broadway at Alvin						painting
	Needs				Make	
Broadway at Battles	Painting	Graffiti			Repairs	
	Needs	Broken			Make	
Broadway at Betteravia (CVS)	Painting	Pieces		3 - fair	Repairs	
	Needs				Make	
Broadway at Carmen	Painting				Repairs	
		Needs	Broken		Make	
Broadway at Colegio (SMHS)	Graffiti	Painting	Pieces	3 - fair	Repairs	
Broadway at Enos NB	Needs Painting				Make	
בוסמת אמן מי בוסט ואם	6 111				Sindoxi	1000
						preeze
						rree
						standing
						bench,
		Needs			Make	needs
Broadway at Enos SB	Graffiti	Painting			Repairs	painting
	Needs				Make	
Broadway at Fesler	Painting				Repairs	
	Broken				Make	
Broadway at Jones NB	Pieces	Graffiti			Repairs	
		Needs			Make	
Broadway at Jones SB (RR Tracks)	Graffiti	Painting		3 - fair	Repairs	
	Needs				Make	
Broadway at McElhany	Painting			3 - fair	Repairs	
	Needs				Make	
Broadway at Mill	Painting				Repairs	
	Needs				Make	
Broadway at Morrison (SMHS)	Painting	Graffiti			Repairs	
Broadway at Newlove NB	Broken Pieces	Needs Painting			Make	
		5			2000	

		opool V		Moko	
Broadway at Newlove SB	Graffiti	Painting		Repairs	
					bench
Broadway at Orchard NB	Insecure Install		3 - fair	Make Repairs	bent down a little
,	Needs			Make	
Broadway at Orchard SB	Painting			Repairs	
	Needs			Make	
broadway at Sunset	Famung			Repairs	
Broadway at Tunnel	Needs Painting			Make Repairs	
(acycad by N) SS samilians to very broad	Needs			Make	rusty and needs
DIDAGWAY AL WIIIIAIIIS OD (IN DI DOIIOVAII)	raillig			Repairs	iepallillig epallillig
					4 benches total, 1 in
					shelter, 1 bench
	Broken			Make	needs
Church at Palisade (Marian Hospital)	Pieces			Repairs	repair
	Needs			Make	
Clark at Dyer	Painting			Repairs	
	Needs			Make	
Clark at Oak Knoll Center EB (S of st.)	Painting	Graffiti		Repairs	
= : : : : : : : : : : : : : : : : : : :	Needs			Make .	
Clark at Stillwell	Painting			Repairs	
College at Mariposa NB	Needs Painting			Make Repairs	
	Needs			Make	
College at Park NB (Hancock College)	Painting			Repairs	
	Needs			Make	
College at Chapel	Painting			Repairs	
	Needs			Make	
Cook at Western WB	Painting			Repairs	
County Government Center	Needs Painting			Make Repairs	
	6)	

	Noode				Make	
Cypress at Depot (Greyhound)	Painting				Repairs	
Depot at Mill	Needs Painting				Make Repairs	
	0					skateboar
						ding
						marks on
	Needs				Make	edge of
Donovan at Canyon	Painting				Repairs	bench
	Needs				Make	
Enos at Minami Center NB	Painting				Repairs	
						move
						onto
	Needs					grass and
Enos at Minami Center SB	Painting				ō	paint
Enos at Thomburg NB	Needs Painting	Graffiti			Make Repairs	
	,					See if
						stop
						should
						include
						seating
						based oπ of
Enos at Thomburg SB					Other	ridership
	Needs				Make	
Foster at Bradley (Righetti HS)	Painting	Graffiti		3 - fair	Repairs	
	Needs				Make	
Foster W of Broadway (across Mental Health)	Painting				Repairs	
į	Needs				Make	
Foster at Orcutt Frontage (The Jetty)	Painting				Repairs	
	:1:55	Needs	Broken		Make	
HIIIVIEW at Cambria NB	Gramiti	Painting	Pieces		Kepairs	
	Needs				Make	
Industrial at Skyway	Painting				Kepairs	
Jones at College	Needs Painting				Make Repairs	
	<u>,</u>					

	0,70,7	000014		IN A DIV	
Jones at Bradley (Allan Hancock)	Pieces	Needs Painting		Repairs	
		Needs		Make	
Lakeview at Bedford	Graffiti	Painting		Repairs	
	Needs			Make	
Lancylew at Olouit 1011age	Broken	Needs		Make	
McCoy at Broadway (Albertson's) (N side st.)	Pieces	Painting		Repairs	
					also
					concrete
					bench
	1				that
McCoy at Broadway (S side st.)	Needs Painting			Make Repairs	needs painting
	Needs			Make	
McCoy at Skyway	Painting			Repairs	
	Needs			Make	
McCoy W of Broadway	Painting		3 - fair	Repairs	
	Needs			Make	
Miller at Enos NB	Painting	Graffiti		Repairs	
Miller of Enge SB	Needs			Make	
ואוווכן מו בווספ סם	מונות			l Challs	
Miller at Inger SB	Needs Painting			Make Repairs	
	Needs			Make	
Miller at Newlove	Painting			Repairs	
	Needs			Make	
Miller at Stowell	Painting			Repairs	
	Needs	į		Make	
Morrison at Depot	Painting	Graffiti		Repairs	
:	Needs			Make	
Morrison at Railroad	Painting			Repairs	
					also
					concrete
					bench
	Needs			Make	needs
Morrison at Thornburg (SMHS)	Painting			Repairs	painting

	- P 14				10.10	
Morrison at Thornburg SB	Needs Painting				Repairs	
	Needs	Broken			Make	
Orcutt Frontage at Clark SB	Painting	Pieces			Repairs	
Orenitt Errortage at Evergreen Show Ontr	Needs	roffiti	Broken		Make	
Create Fortiging at Evergreen Chop Chin	Needs		52021		Make	
Park at Elizabeth (Mussel Sr center)	Painting				Repairs	
	Needs				Make	
Park at Oakwood (Mussell Senior Cntr)	Painting	Graffiti			Repairs	
	Needs				Make	
Pine at Cook SB	Painting				Repairs	
	Needs				Make	
Pine at Jones NB	Painting				Repairs	
						paint to
						cover
		Needs			Make	graffiti
Pine at Morrison (BV Park)	Graffiti	Painting			Repairs	scratches
						worn,
	Needs				Make	needs
Railroad at Alvin (Boys/Girls Club)	Painting				Repairs	painting
						slot for
						advertise
						ments but
						none
						there,
						some
	Needs				Make	minor
Railroad at Donovan NB	Painting	Graffiti			Repairs	graffiti
		Needs			Make	
Railroad at Fesler	Graffiti	Painting			Repairs	
	Needs				Make	
Railroad at Grant	Painting	Graffiti		3 - fair	Repairs	
	Needs				Make	
Railroad at Hidden Pines	Painting				Repairs	
Bailroad at Tavlor	Needs Painting			3 - fair	Make Repairs	
במווסמת מני ומלוסו	5			5	2000	

		Noodo			MONO	
Rice Ranch Rd at Graciosa	Graffiti	Needs Painting		3 - fair	Repairs	
Santa Maria Airport	Needs Painting				Make Repairs	
Octobra Morio World at Deadley	Needs	Croffiti			Make	
Salita Mala Way at Diadiey	Needs	GIAIIII	Broken		Make	
Santa Maria Way at Broadway	Painting	Graffiti	Pieces		Repairs	
	Needs				Make	
Santa Maria Way at Sunrise (K-Mart)	Painting				Repairs	
Stowell at Western	Needs Painting	Graffiti			Make Repairs	
						seating is
	Needs				Make	in need of
Suey at Alvin	Painting			3 - fair	Repairs	painting
						currently installed
						taking up
						space,
						needs
- 1	Needs				Make	touch up
Suey at Fesler	Painting			3 - fair	Repairs	paint
	Needs	Broken			Make	
Tanglewood at Black Rd	Painting	Pieces			Repairs	
	Needs	Insecure			Make	
Tanglewood Market	Painting	Install		3 - fair	Repairs	
	Needs	;			Make D	
laylor at Casa Grande MHP	Painting	Graffiti		3 - fair	Repairs	
- - -	Needs				Make	
laylor at Lincoln	Painting				Kepairs	
	Needs				Make	
Thornburg at Battles	Painting				Repairs	
	Needs				Make	
Thornburg at Carmen NB	Painting				Repairs	
Thornburg at Carmen SB	Needs Painting				Make Repairs	
	2					

	Needs	Broken			Make	
Thornburg at Newlove	Painting	Pieces			Repairs	
						all seating
						needs to
						pe
						replaced
						or taken
						out and
						replaced
						with
						seating to
	Needs	Broken			Make	serve new
Town Center Mall Transit Cntr	Painting	Pieces	Graffiti	3 - fair	Repairs	routes
	103	41	8	20	104	17
TOTALS:				104		

questionable damage

questionable damage						
Stop Name	Trash Prob.1	Trash Prob.2	Trash Prob.3	Trash Rec.	Trash Rec.2	Trash Notes
Betteravia East of Broadway	Bus Stop Littered					
A Street at McCoy (Vocational Training Cntr)	Insecure Install			Install Trash Can		
	Bus Stop			Make		
Alt. Town Center Mall	Littered Bus Stop			Repairs		
Betteravia at Target	Littered	Present		Install Trash		all seating should have a trash
Betteravia at Westgate				Can		can add trash
Bradley at Crossroads Shopping Cntr	Bus Stop Littered			Relocat ed Trash Can		can in more conveni ent location
Bradley at Francine	Bus Stop Littered			Install Trash Can		all seating should have a trash can
				Install Trash		all seating should have a trash
Bradley at Parkland (St. Joe HS) Bradley at Patterson	Bus Stop Littered			Can Install Trash Can		can
Bradley at Stowell SB				Install Trash Can		
Bradley at Taco Bell	Bus Stop Littered			Relocat ed Trash Can		addition al trash or cigarette collector

				I		
				Install		
	Bus Stop			Trash		
Bradley at Village NB	Littered			Can		
						2 trash
						cans
						and an
						oversize
						d ash
						tray that
						is used
						for trash,
						make it
Broadway at Alvin						smaller
	Trash	Bus Stop		Make		
Broadway at Betteravia (CVS)	Very Full	Littered		Repairs		
						trash
	Bus Stop			make		can
Broadway at Carmen	Littered	Present	Other	Repairs		dented
,	Graffiti			·		
Broadway at Colegio (SMHS)	Present					
, ,					Relocat	
	Trash	Bus Stop		Make	e Trash	
Broadway at Williams NB (Donovan)	Very Full			Repairs	Can	
	101910			1.10 0	-	1 free
						standing
						, 1 on
						breeze
						shelter
						that is
	Due Otem			 NA=1/-=		rusted,
Describeration of Francis ND	Bus Stop			Make		needs
Broadway at Enos NB	Littered	Other		Repairs		painting
						breeze
						has
						trash on
	1					shelter,
	Bus Stop					needs
Broadway at Enos SB	Littered					painting
		Adj Prop				
Broadway at Fesler	Littered	Littered		<u></u>	<u> </u>	
				Install		cigarette
	Insecure	Bus Stop		Trash		butts
Broadway at Grant	Install	Littered .		Can		littered
,	1					all
	1					seating
	1					should
	1			Install		have a
	1			Trash		trash
Broadway at Jones NB	1			Can		can
טויסמעשמא מנ טטווכס ואט				_I Gaii	<u> </u>	Call

-		1		1, , , ,	
	D O.			Install	
Drag duray at MaClhamy	Bus Stop			Trash	
Broadway at McElhany	Littered			Can	
	Rus Ston	Insecure	Adj Prop	Make	
Broadway at Mill	Littered	Install	Littered	Repairs	
Broadway at Willi	Littorea	motan	Littorea	Терино	all
					seating
					should
				Install	have a
				Trash	trash
Broadway at Newlove NB				Can	can
					bigger
					trash can or
	Trash	Bus Stop	Adi Dron		empty it
Broadway at Orchard NB	Very Full		Littered		more
2. Cashay at Cronara HD	10.91 011				2 trash
					cans, 1
					free
					standing
				.	, 1
	Insecure			Make	bolted
Broadway at Sunset	Install			Repairs	down
	Bus Stop				
Broadway at Tunnel	Littered				
					trash
					can
					needs
		Adj Prop		Make	replace
Broadway at Williams SB (N of Donovan)	Littered	Littered	Other	Repairs	ment
					graffiti
	Grocery				on ground
	Carts	Graffiti		Make	and
Clark at Oak Knoll Center EB (S of st.)	Present	Present		Repairs	shelter
(5.5.11)					all
					seating
					should
				Install	have a
Clark at Ctillurall				Trash	trash
Clark at Stillwell				Can	can all
					seating
					should
				Install	have a
				Trash	trash
College at Mariposa NB				Can	 can
	Bus Stop				
College at Park NB (Hancock College)	Littered				

		 	shelters
		Install	need
	Adi Dron	Trash	trash
College at Park CD (Hansack College)	Adj Prop		
College at Park SB (Hancock College)	Littered	Can Install	cans
Callege at Chanal		Trash	
College at Chapel		Can	trook
			trash
			can
Cook at Mastern MD			needs
Cook at Western WB			painting
			all
		Install	seating needs a
	Dua Ctan	Trash	
Commence at Demot (Commission of)	Bus Stop		trash
Cypress at Depot (Greyhound)	Littered	Can	can
		Trash	
Cypress at Nicholson		Can	
	- 0	Install	
	Bus Stop	Trash	
Depot at Mill	Littered	Can	
		Install	
		Trash	
Donovan at Bay		Can	
		Install	
		Trash	
Donovan at Canyon		Can	
			trash
			can has
			scratche
			s, dents,
			and
			paint
			marks.
			Looks
			old,
			needs
		Make	replace
Donovan at College	Other	Repairs	ment
		Install	
	Bus Stop	Trash	
Enos at Minami Center NB	Littered	Can	
			all
			seating
			should
		Install	have a
	Bus Stop	Trash	trash
Fairway at Skyway	Littered	Can	can

T	<u> </u>				
					install
					bigger
					trash
					can, one
			Install		present
	Bus Stop		Trash		is too
Foster at Bradley (Righetti HS)	Littered		Can		small
, , ,			Install		secure
			Trash		trash
Foster at California SB			Can		can
					all
					seating
					should
			Install		have a
_ , ., , , _ , , , , , , , , , , , , , ,			Trash		trash
Foster W of Broadway (across Mental Health)			Can		can
					all
					seating
			Install		should have a
			Trash		trash
Foster at Orcutt Frontage (The Jetty)			Can		can
Poster at Orcuit Frontage (The Jetty)			Call		Call
	Insecure	Bus Stop	Make		
Hillview at Cambria NB	Install	Littered	Repairs		
					all
					seating
					should
			Install		have a
			Trash		trash
Industrial at Skyway			Can		can
					all
					seating
			Inotall		should
	Bus Stop		Install Trash		have a
Jones at College	Littered		Can		trash can
ouries at college	LILLETEU		Install	-	Call
	Bus Stop		Trash		
Jones at Bradley (Allan Hancock)	Littered		Can		
tones at Brasiley (raiser rainoon)			Install		
	Bus Stop		Trash		
Lakeview at Bedford	Littered		Can		
			Install		
	Graffiti	Bus Stop	Trash		install
Main at College	Present	Littered	Can		recycling
j				Install	
	Graffiti	Bus Stop	Make	Trash	
McCoy at Broadway (Albertson's) (N side st.)	Present	Littered	Repairs	Can	
	Bus Stop				
McCoy at Broadway (S side st.)	Littered				

			Install	
			Trash	
McCoy at Skyway			Can	
			Relocat	
	Bus Stop		e Trash	
McCoy W of Broadway	Littered		Can	
				all
				seating
				should
			Install	have a
			Trash	trash
Miller at Enos SB			Can	can
				all
				seating
				should
			Install	have a
			Trash	trash
Miller at Inger SB			Can	can
				all
				seating
				should
			Install	have a
			Trash	trash
Miller at Newlove			Can	can
l	Graffiti	Bus Stop	Make	
Morrison at Depot	Present	Littered	Repairs	
				all
				seating
			l.s.a.t.a.ll	should
			Install	have a
Marriagn at Dailread			Trash	trash
Morrison at Railroad			Can	can
	Bus Stop	Croffiti		
Marrison at Thornburg (SMUS)	Littered	Present		
Morrison at Thornburg (SMHS)	Littered	Fresent		all
				seating
				should
			Install	have a
			Trash	trash
Morrison at Western SB			Can	can
MOMBON AL WESTERN OD			Install	Juli
	Bus Stop		Trash	
Orcutt Frontage at Clark SB	Littered		Can	
Transfer at Clark CD	2		Ju.,	all
				seating
				should
			Install	have a
			Trash	trash
Orcutt Frontage at Evergreen Shop Cntr			Can	can
			-	

				stained
			Relocat	lid, need
			e Trash	replace
Orcutt Frontage at Winter Rd NB			Can	ment
Great Frentage at Frinter Ha Hz			Install	1110111
	Bus Stop		Trash	
Orcutt Frontage at Winter Rd SB	Littered		Can	
				all
				seating
				should
			Install	have a
			Trash	trash
Park at Elizabeth (Mussel Sr center)			Can	can
				trash
			Malia	can
Doub at Coloured (Museell Conies Cots)	Other		Make	needs
Park at Oakwood (Mussell Senior Cntr)	Other		Repairs	painting
				all seating
				should
			Install	have a
			Trash	trash
Pine at Jones NB			Can	can
			Install	96
	Bus Stop		Trash	
Railroad at Alvin (Boys/Girls Club)	Littered		Can	
				cigarette
				butts,
			Install	possibly
	Bus Stop		Trash	install
Railroad at Donovan NB	Littered		Can	ash tray
		Grocery	- Journ	- January
	Trash	Carts		
Railroad at Donovan SB	Very Full	Present		
	Bus Stop		Trash	
Railroad at Fesler	Littered		Can	
			Install	
	Graffiti	Bus Stop	Trash	
Railroad at Grant	Present	Littered	Can	
				[]
				no
	Insecure		Make	longer bolted to
Railroad at Hidden Pines	Install		Repairs	ground
Ivanioau at Filuucii Filies	iiiStaii		Inchails	rusty,
				needs
			Make	repaintin
Railroad at Taylor	Other		Repairs	g
	5		Install	- 3
	Bus Stop		Trash	
Rice Ranch Rd at Graciosa	Littered		Can	

		1	i	Inotall	1	
	Dua Ctan			Install		
Courte Marie Marret Duadlass	Bus Stop			Trash		
Santa Maria Way at Bradley	Littered		ļ	Can		
						all ,.
						seating
						should
				Install		have a
				Trash		trash
Santa Maria Way at Broadway				Can		can
				Install		
Santa Maria Way at Holly Oak SB (Del Cielo	Bus Stop	Adj Prop		Trash		
MHP)	Littered	Littered		Can		
,						
	Bus Stop					
Santa Maria Way at Sunrise (K-Mart)	Littered					
Carta Maria Way at Carrioo (14 Mart)	Littorea		1	Install		
	Bus Stop	Graffiti	Adj Prop	Trash		
Stowell at Western	Littered	Present	Littered	Can		
Otowell at Westelli	LILLETEU	i ieseiit	LILLETEU	Install		
				1		
Tangleuse de t Dienk Dd				Trash		
Tanglewood at Black Rd			ļ	Can		
	D 01					
	Bus Stop					
Tanglewood Market	Littered					
				Install		
				Trash		
Taylor at Casa Grande MHP				Can		
				Install		
				Trash		
Taylor at Lincoln				Can		
			1			all
						seating
						should
						have a
	Bus Stop					trash
Thornburg at Battles	Littered					can
mombaly at bathoo		 		Trash		
Thornburg at Carmon ND	Bus Stop					seating
Thornburg at Carmen NB	Littered			Can		should
						install
						trash
				Install		can if
				Trash		cost
Thornburg at Carmen SB				Can		effective
				Install		
				Trash		
Thornburg at Newlove				Can		
						locate
						trash
				Install	Relocat	
	Track	Due Cter		1		cans in
Town Conton Mall Transit Onto	Trash	Bus Stop		Trash	e Trash	appropri
Town Center Mall Transit Cntr	Very Full			Can	Can	ate area
	61	21	5	78	3	47
TOTALS:			95	5		

questionable damage

dacouoliable dallage						
	Newspaper	į	į	į		
Stop Name	Box Comments	Traffic Hazards 1	Traffic Hazards 2	Traffic Comments	Landscaping Problem 1	Landscaping Problem 2
Main at Bradley (Freeway)				replace no park sign, faded		
Autopark at Mercury (Casino Bus Center)					Trees - Sidewalk	
Bradley at Allan Hancock SB		No Crosswalk			Trees - Sidewalk	
Bradley at Stowell SB					Trees - Landing	
Broadway at Mill				needs red curb for fire hydrant	Trees - Bus Damage	
Broadway at Morrison (SMHS)					Trees - Landing	
Broadway at Orchard SB		High Speed Traffic				
Church at Palisade (Marian Hospital)	no newspaper in them, need repair					
Clark at Michael					Trees - Sidewalk	
Clark at Oakridge Park		No Crosswalk				
Clark at Stillwell					Trees - Sidewalk Trees - Landing	Trees - Landing
College at Mariposa NB		Crosswalk Straddle				
College at Chapel		No Crosswalk	High Speed Traffic	install crosswalk		
Donovan at Bay				need to extend red curb by 2 car lengths for room for bus to pull over		

				no parking signs need to be added as		
Donovan at Canyon		No Crosswalk		well as red curb		
Foster at California SB		No Crosswalk				
Industrial at Skyway		Curve In Road				
Jones at College		Curve In Road				
Lakeview at Bedford		No Crosswalk	High Speed Traffic			
McCoy W of Thompson					Trees - Sidewalk	
Morrison at Depot					Trees - Bus Damage	
Orcutt Frontage at Winter Rd SB		No Crosswalk	High Speed Traffic			
Pine at Jones SB					Trees - Bus Damage	
Railroad at Vista Montana		No Crosswalk				
Santa Maria Way at Del Cielo MHP NB		Crosswalk				
Santa Maria Way at Holly Oak SB (Del Cielo MHP)		High Speed Traffic	No Crosswalk	add crosswalk to MHP		
Suey at Alvin		High Speed Traffic				
Suey at Fesler	not chained to anything and has graffiti					
		Hidden	Pre- Crosswalk	bus blocks right turning cars from seeing pedestrians		
I hornburg at Battles		Passengers	Stop	crossing		
Western at Stowell				need red curb		
	2	16	2	8	10	1
TOTALS:	2		20		10	

questionable damage

Stop Name	Pedestrian Safety Rec	Pedestrian Safety Rec	Safety Comments
Airport Mobile Home Park	Other		lighting
Autopark at Mercury (Casino Bus Center)	Trim Trees		
Blosser at Foxenwood SB	Other		lighting
Blosser at Solomon	Other		lighting
Boone at East	Other		lighting
Bradley at Allan Hancock SB	Other		install additional lighting
Bradley at Parkland (St. Joe HS)	Other		install lighting
` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `			
Bradley at Stowell SB	Other		repair siewalk
Prooducy at Harmon (Malaroons)			doesn't
Broadway at Hermosa (Walgreens) Broadway at Mill	Trim Trees		provide much
Bloadway at Willi	111111 11663		trees block
Broadway at Morrison (SMHS)	Trim Trees		light, move
(bench far
			from lighting,
Broadway at Newlove NB			move
Clark at Broadway	Other		lighting
Clark at Michael	Trim Trees		
Clark at Stillwell	Trim Trees		can't see bus sign, in tree, new pole or trim tree
College at Chapel			install lighting for bus stop
Donovan at Canyon			consider installing crosswalk
Donovan at La Salle (Pepperwood)	Other		install light and maybe shade
Enos at Minami Center NB	Other		consider more lighting
Enos at Thornburg NB	Other		install lighting
Enos at Thornburg SB	Other		install lighting
Fairway at Aviation (Coca-cola)	Other		lighting
Foster at Bradley (Righetti HS) Foster at California SB	Other		not adequate lighting, install install lighting
	Outer	+	
Foster W of Broadway (across Mental Health)	011		install lighting
Hillview at Stratford NB	Other		install lighting
Jones at Bradley (Allan Hancock)	Other		consider more lighting

Lakeview at Bedford	Move Bus Stop	Other	relocated for accessibility or make improvments, lighting
Lakeview at Orcutt Frontage	Other		lighting
Main at College McCoy at Skyway	Other Other		lighting in bus stop needs replacement lighting
McCoy W of Broadway	Other		lighting
McCoy W of Thompson Morrison at Depot	Trim Trees Trim Trees		bushes, not trees
·			in a facility of the se
Oak Knoll Rd at Kenneth NB	Other		install lighting
Oak Knoll Rd at Tilbury	Other		install lighting
Orcutt Frontage at Clark SB	Other		install lighting
Orcutt Frontage at Winter Rd NB	Other		consider additional lighting
Orcutt Frontage at Winter Rd SB	Other		lighting
Pine at Jones SB	Trim Trees		
Railroad at Alvin (Boys/Girls Club)	Other		install lighting
Railroad at Grant	Other		
Railroad at Hidden Pines	Other		install lighting
Railroad at Vista Montana			install lighting
Rice Ranch Rd at Graciosa	Other		install lighting
Rice Ranch Rd at Princeton SB	Other		install lighting
Santa Maria Way at Bradley	Other		install lighting
Tanglewood at Black Rd	Other		consider installing light
Tanglewood Market	Other		install lighting
Taylor at Casa Grande MHP	Other		
Thornburg at Carmen NB			poor sign lighting
Thornburg at Carmen SB	Other		install lighting
Thornburg at Newlove	Other		install lighting
	46	1	46
TOTALS:		53	

questionable damage

questionable damage	Sign					
	Routes	Sign	Sign	Sign	Sign	Schedule
Stop Name	Notes	Prob.1	Prob.2	Prob.3	Prob.4	Rack
Datte varia Fact of Brandons		Sign				
Betteravia East of Broadway	+	Poor		+		Needs
A Street at McCoy (Vocational Training Cntr)						Repair
/ Career at meesty (vectational maining emily			Poor			, topan
		Sign	Sign			
Airport Mobile Home Park		Poor	Lighting			
		Poor				
		Sign				
Autopark at Mercury (Casino Bus Center)	-	Lighting				
Betteravia at Westgate		Sign Poor				
Detteravia at Westgate	1	Poor				1
		Sign				
Blosser at Foxenwood SB		Lighting				
	1	J	Poor			
		Sign	Sign		1	
Blosser at Solomon		Poor	Lighting			
		Poor				
		Sign				
Boone at East	_	Lighting Poor			+	
		Sign				
Bradley at Allan Hancock SB		Lighting				
Bradiey at 7 mail Flancock OB	1	Poor				
		Sign	Sign			
Bradley at Parkland (St. Joe HS)		Lighting	Poor			
		Poor				
		Sign				
Bradley at Patterson		Lighting				
		Poor			1	
Bradley at Stowell NB (In-N-Out)		Sign Lighting				
Diadicy at Stowell ND (III-N-Out)	+	Poor		1		
		Sign				
Bradley at Stowell SB		Lighting			1	
,		Poor				
		Sign	Sign	Pole		
Bradley at Village NB		Lighting	Poor	Poor		
		Sign			1	
Broadway at Battles	1	Poor		1	1	
Broadway at Betteravia (CVS)		Sign Poor				
Broadway at Betteravia (CVS)	1	Sign		+	1	
Broadway at Carmen		Poor				
	needs	1. 55.	Poor		1	1
	replacem	Sign	Sign			
Broadway at Colegio (SMHS)	ent	Poor	Lighting			

-		10:		1	1	
Broadway at Enos NB		Sign Poor				
Bloadway at Lilos NB	no large	1 001				
	map in					
Broadway at Fesler	shelter					
-		Sign				
Broadway at Jones NB		Poor				
			Poor			
Droadway at Janes CD (DD Trocks)		Pole Poor	Sign			Needs Repair
Broadway at Jones SB (RR Tracks)		POOI	Lighting			Керап
		Sign Not	Sian			
		Perman	Hazardo			
Broadway at McElhany		ent	us			
•				Poor		
		Sign	Pole	Sign		
Broadway at Morrison (SMHS)		Poor	Poor	Lighting		
Proadway at Nawlaya SP		Sign Poor				
Broadway at Newlove SB				-		
Broadway at Orchard SB		Pole Poor				
Bloadway at Olchard 3B		Sign				
Broadway at Stinky's		Poor				
	large map					
	in					
	advertisin					
Broadway at Williams SB (N of Donovan)	g slot					
		Poor				
Clark at Broadway		Sign Lighting				
Clark at Bioadway		Poor				
		Sign	Sign			
Clark at Dyer		Lighting	Poor			
,		Sign	Pole			
Clark at Michael		Poor	Poor			
		Sign				Needs
Clark at Oak Knoll Center EB (S of st.)		Poor				Repair
			Poor	<u> </u>	Sign	
Clark at Stillwall		Sign Poor	Sign	Pole	Hazardo	
Clark at Stillwell		Sign	Lighting	Poor	us	
College at Mariposa NB		Poor				
Consider at manipood 11D		Sign				Needs
College at Park NB (Hancock College)		Poor				Repair
						Needs
College at Park SB (Hancock College)						Repair
	sign					
	needs		Door			
	replacem ent, has	Pole	Poor Sign			
College at Chapel	ent, nas cracks	Poor	Lighting			
Oulege at Oliapei	CIACNS	1 001	Lighting	<u> </u>	<u> </u>	

	holder				
	needs				Needs
Cook at Western WB	painting	_			Repair
		Poor			
County Government Center		Sign Lighting			
County Covernment Center	holder	Lighting			
	needs	Sign			Needs
Cypress at Depot (Greyhound)	painting	Poor			Repair
		Poor			
Donovan at College		Sign Lighting			
Donovan at Conege	sign	Lighting		1	
	holder				
	needs				
	replacem				
	ent or				
	new glass,				
	both pole				
	and sign	Poor			
	have	Sign	Sign	Pole	Needs
Donovan at La Salle (Pepperwood)	graffiti	Lighting	Poor	Poor	Repair
Enos at Minami Center NB		Sign Poor			
Ellos at Miliami Center NB	+	Poor		1	
		Sign			
Enos at Thornburg NB		Lighting			
		Poor			
Francist Theorem. CD		Sign			
Enos at Thornburg SB	+	Lighting			Needs
Fairway at Skyway					Repair
		Poor			
		Sign			Needs
Foster at Bradley (Righetti HS)		Lighting		ļ	Repair
		Poor Sign			
Foster at California SB		Lighting			
	SMAT				
	sign has				
	old "sat				
	only"	Dolo	Cian	Poor	
Foster W of Broadway (across Mental Health)	sticker, remove	Pole Poor	Sign Poor	Sign Lighting	
1 color 11 or broadway (across mortal rieditii)	10111040	Sign	1. 001	-191111119	
Foster at Hummel SB		Poor			
	1	Pole			
Foster at Orcutt Frontage (The Jetty)		Poor			
		Poor			
Hillyiow at Stratford NR		Sign			
Hillview at Stratford NB		Lighting			

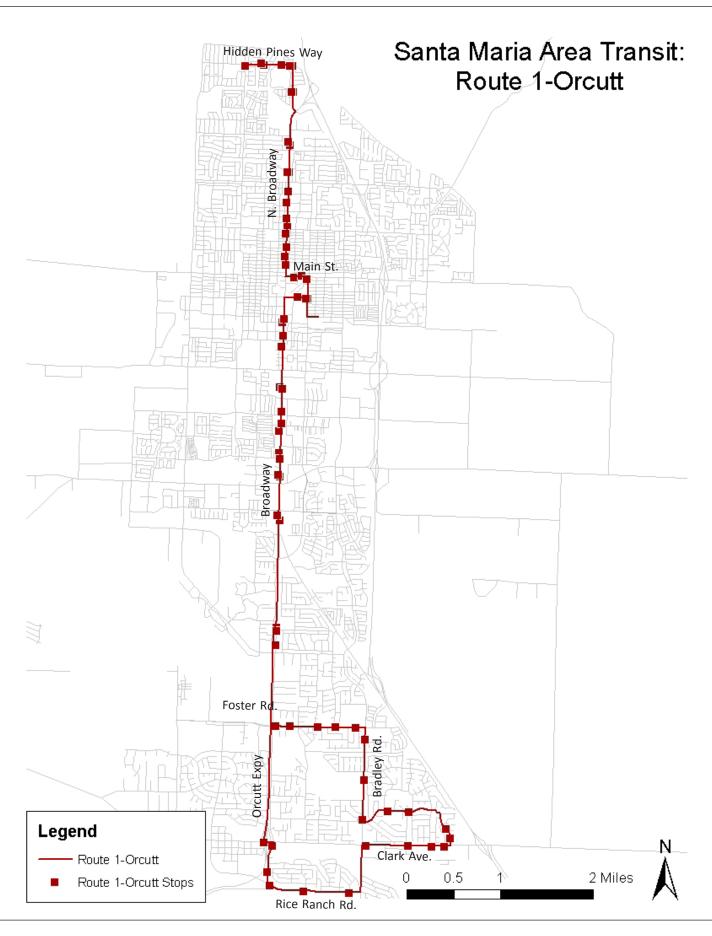
						eeds
Industrial at Skyway					R	epair
		Poor				
		Sign	Sign			
Lakeview at Bedford		Lighting	Poor			
		Poor				
		Sign				
Lakeview at Hillview		Lighting				
		Poor				
		Sign	Sign			
Lakeview at Orcutt Frontage		Lighting	Poor			
_		Sign				
Lakeview Rd. at Lakeview Ct.		Poor				
		Sign				
Main West of Suey		Poor				
j		Sign			 	
McCoy at Broadway (S side st.)		Poor				
, , , , , , , , , , , , , , , , , , , ,	1	Poor			 	
		Sign				
McCoy at Skyway		Lighting				
moody at onymay	consider	Ligitarig				
	moving					
	pole for	Pole				
McCoy W of Broadway	visibility	Poor				
WCCOy W OI BIOadway	VISIDIIILY	Pole			 	
Miller at Newlove		Poor				
willer at Newlove					.	
Marriagn at Danet		Sign				
Morrison at Depot		Poor				
		Poor				
		Sign				
Morrison at Railroad		Lighting				
	schedule					
	rack has		Poor			
	no	Sign	Sign			eeds
Morrison at Thornburg (SMHS)	schedule	Poor	Lighting			epair
						eeds
Morrison at Western NB						epair
						eeds
Morrison at Western SB					R	epair
		Poor				
		Sign			1	
Oak Knoll Rd at Kenneth NB		Lighting			<u> </u>	
		Poor				
		Sign			1	
Oak Knoll Rd at Tilbury		Lighting				
,			Poor		<u> </u>	
		Sign	Sign		1	
Orcutt Frontage at Clark SB		Poor	Lighting			
		1. 50.	Poor		 	
		Sign	Sign		1	
Orcutt Frontage at Evergreen Shop Cntr		Poor	Lighting			
Ordan Fromage at Evergreen Shop Onli		11 001	Leighting	<u> </u>	<u> </u>	

	ī	1	ID	-	-
		0:	Poor		
Ossett Franks as at Minter Dal ND		Sign	Sign		
Orcutt Frontage at Winter Rd NB		Poor	Lighting		
		Poor			
Onesett Francisco et Minter Del CD		Sign			
Orcutt Frontage at Winter Rd SB		Lighting			Neede
		Sign			Needs
Park at Oakwood (Mussell Senior Cntr)		Poor			Repair
Diagraph Octob OD					Needs
Pine at Cook SB		0:			Repair
Ding at James ND		Sign			
Pine at Jones NB	(C:4:	Poor			
	graffiti on				NII -
Dina at James CD	schedule				Needs
Pine at Jones SB	rack				Repair
Direct Manniage (DV Darle)					Needs
Pine at Morrison (BV Park)			Daar		Repair
		Cierra	Poor		
Dellar ad et Abria (Dessa (Olde Obsta)		Sign	Sign		
Railroad at Alvin (Boys/Girls Club)		Poor	Lighting		
	only box,	0:			NII -
Dellaced at Denever CD	no route	Sign			Needs
Railroad at Donovan SB	info	Poor			Repair
		Sign			Needs
Railroad at Fesler		Lighting			Repair
		Sign			Needs
Railroad at Grant		Poor			Repair
		Sign			
Railroad at Hidden Pines		Poor			
D "					Needs
Railroad at Taylor		0:			Repair
Dellas ad at Vista Mantaga		Sign			
Railroad at Vista Montana		Poor			
		Poor	Ci aua		
Dies Danch Dd at Crasicas		Sign	Sign		
Rice Ranch Rd at Graciosa		Lighting	Poor		
		Poor			
Diag Danch Dd at Dringaton CD		Sign			
Rice Ranch Rd at Princeton SB		Lighting			Needs
Santa Maria Airport					Repair
Santa Maria Airport		Poor			Керап
		Sign			
Santa Maria Way at Bradley		Lighting			
Santa Maria Way at Bradley Santa Maria Way at Holly Oak SB (Del Cielo	+	Sign	+ +	+	-
MHP)		Poor			
1VII II <i>J</i>	+	Sign	+ +	+	-
Santa Maria Way at Sunrice (K Mart)		Poor			
Santa Maria Way at Sunrise (K-Mart)	+	Sign	+		
Stillwell at Cameo NB		Poor			
Othiwell at Carried ND	+	Poor	+ +	+	-
		Sign			Needs
Stowell at Cecelia (Marian Urgent Care)		Lighting			Repair
otowen at occena (Mahan orgent Gale)		Lighting			rvehan

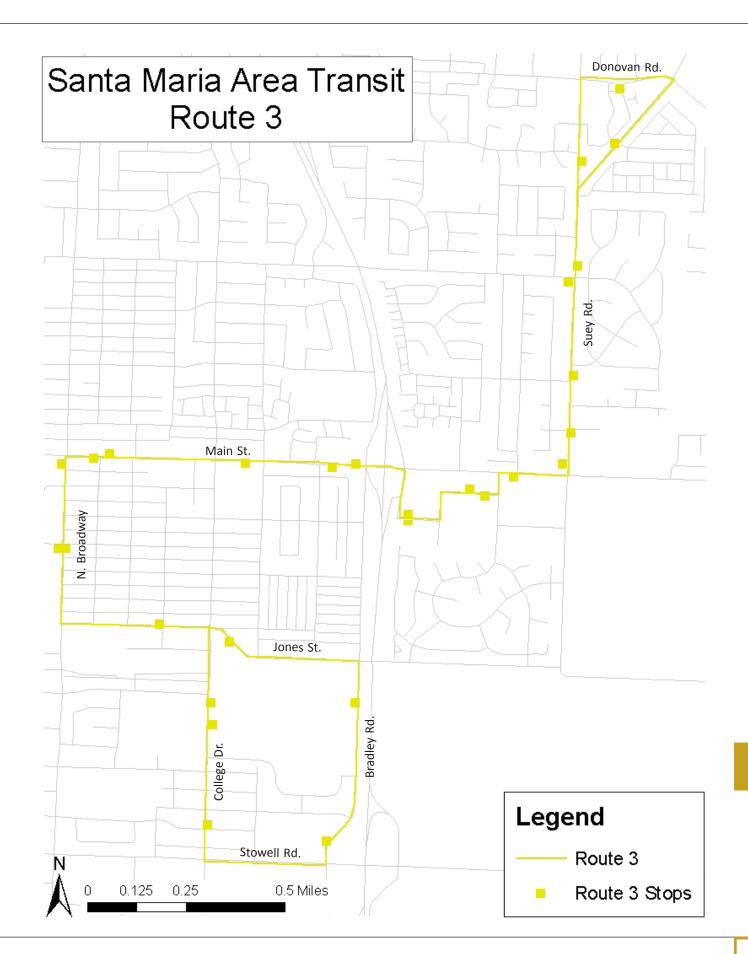
TOTALS:			91			27
	12	87	27	6	1	27
Western at Stowell		Pole	Sign Lighting			
Town Center Mall Transit Cntr		Pole	Sign			Repair
· · · · · ·						Needs
Thornburg at Betteravia NB (N of Betteravia)		Sign Poor				
Thornburg at Newlove		Poor	Lighting	Poor		Repair
		Sign	Poor Sigh	Pole		Needs
Thornburg at Carmen SB		Sign Poor	Poor Sigh Lighting			
Thornburg at Carmen NB		Sign Poor	Sigh Lighting			
Thornburg at Battles		Sign Poor	Pole Poor			
Tanglewood Market		Poor Sign Lighting				Needs Repair
Stowell at Western		Sign Poor				

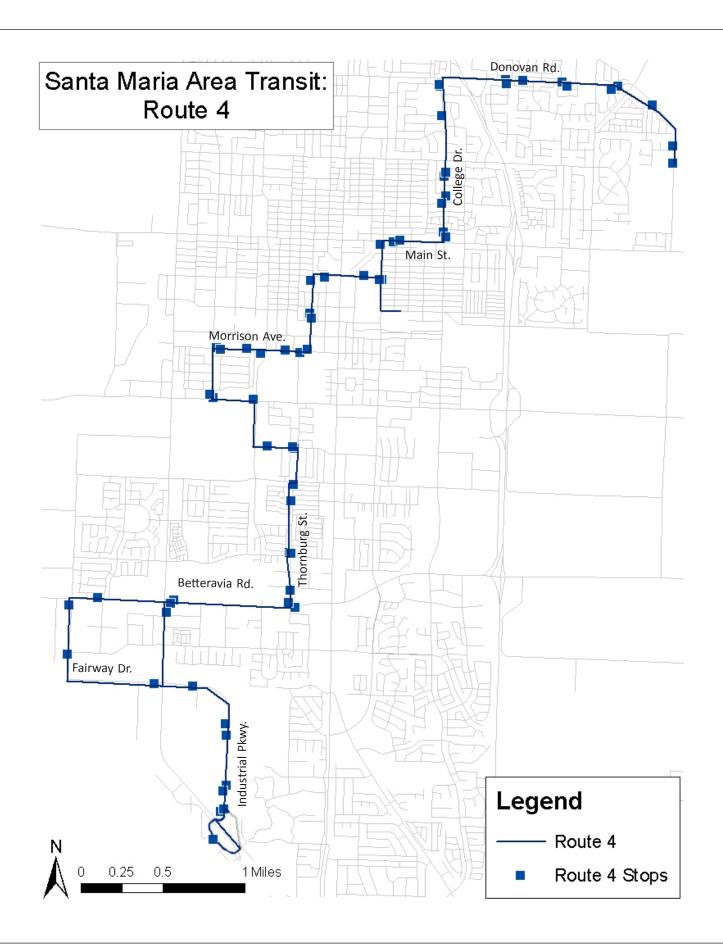
Appendix G

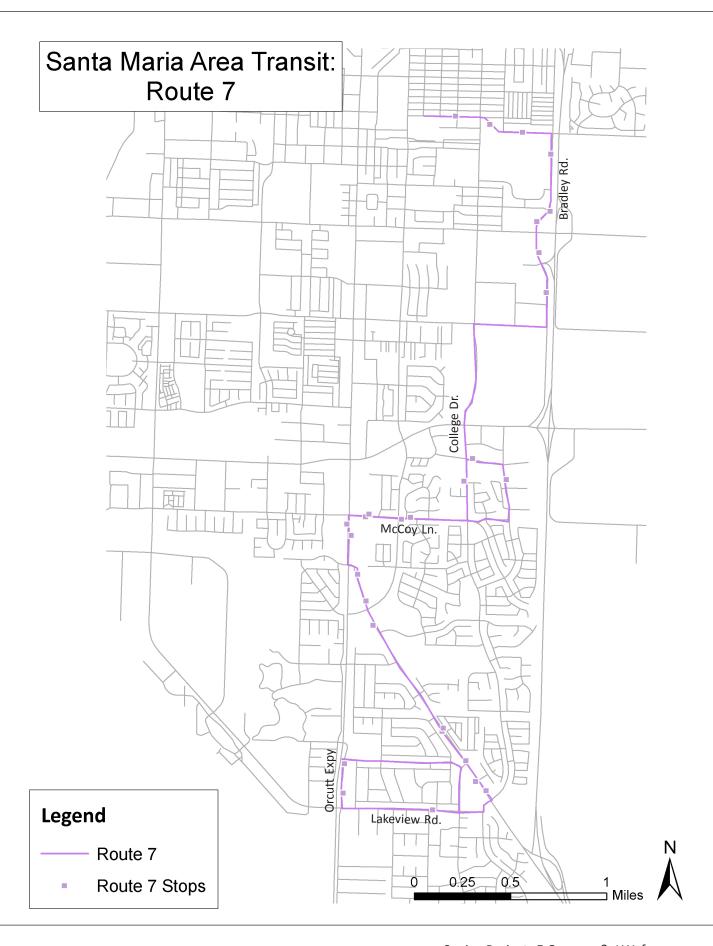


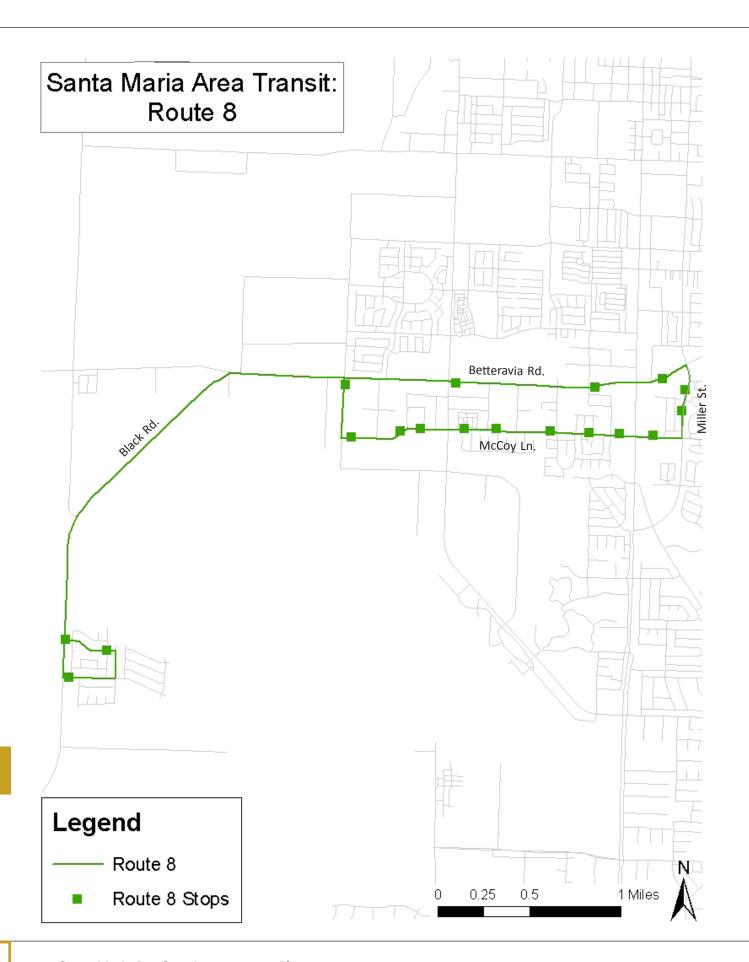


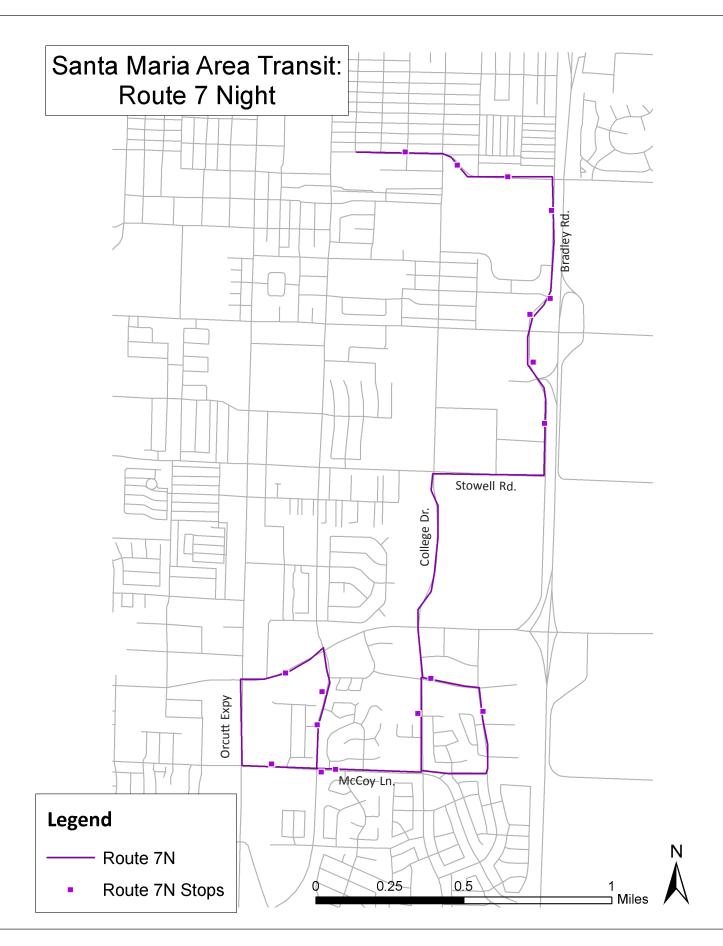


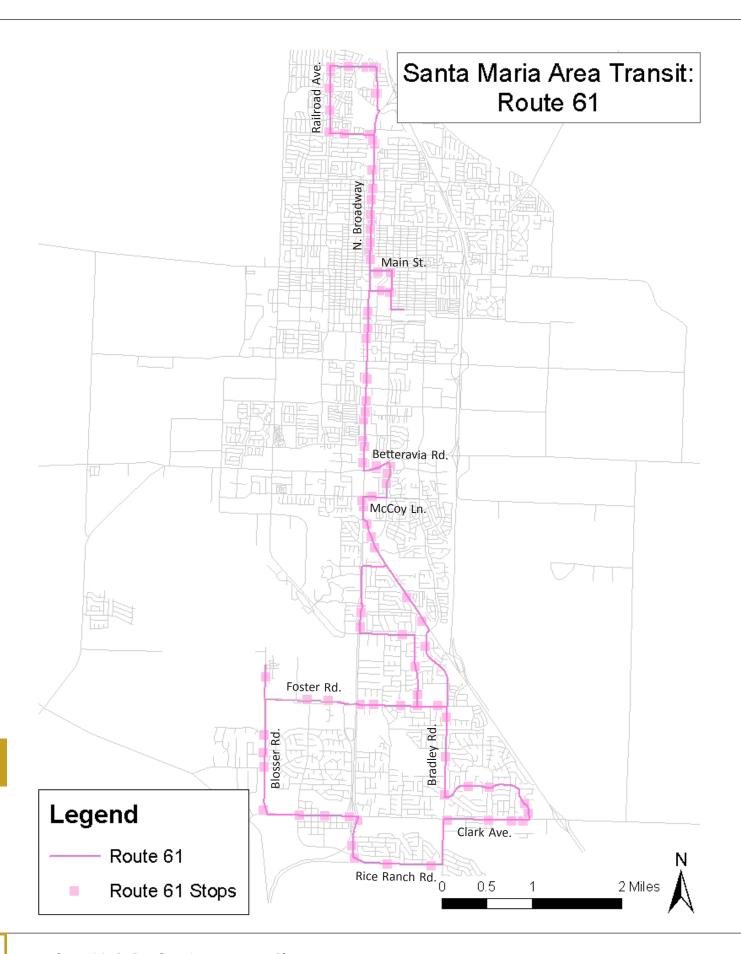


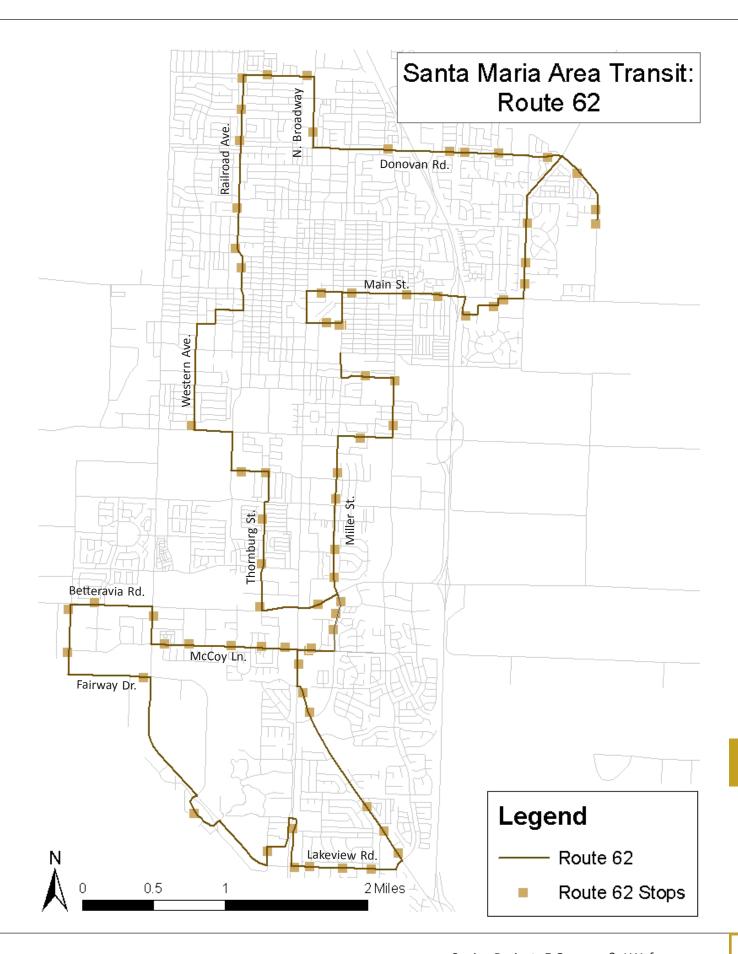




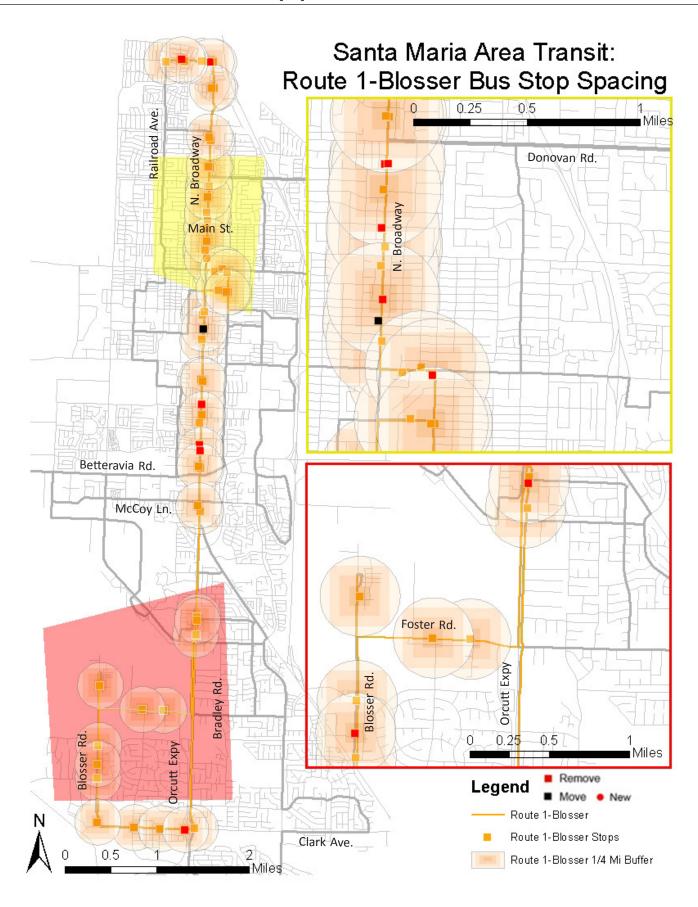


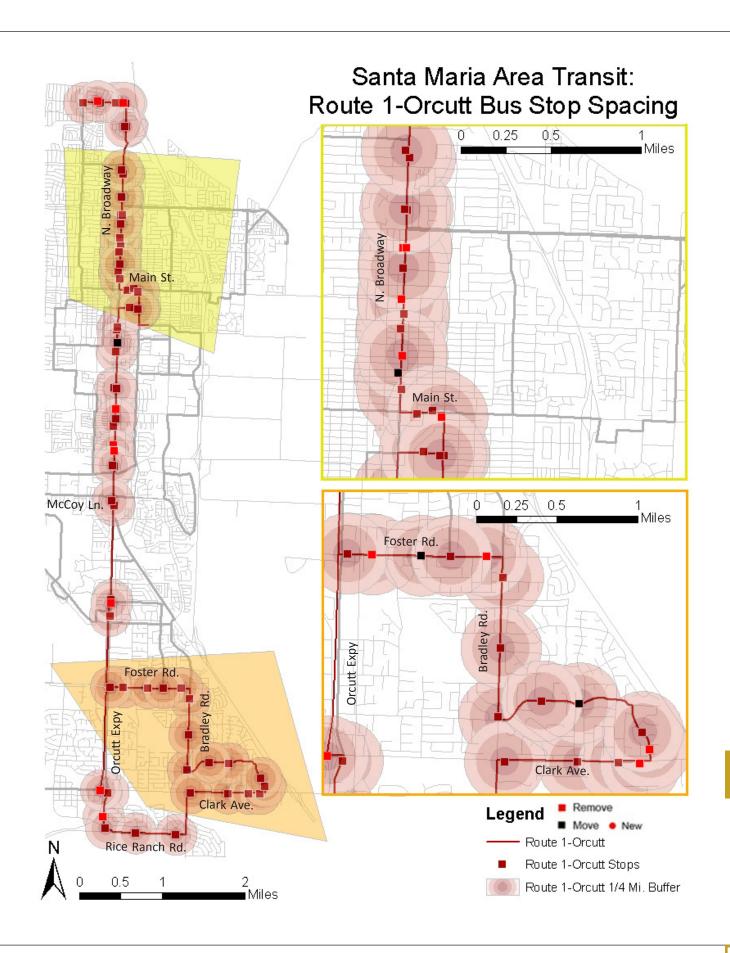


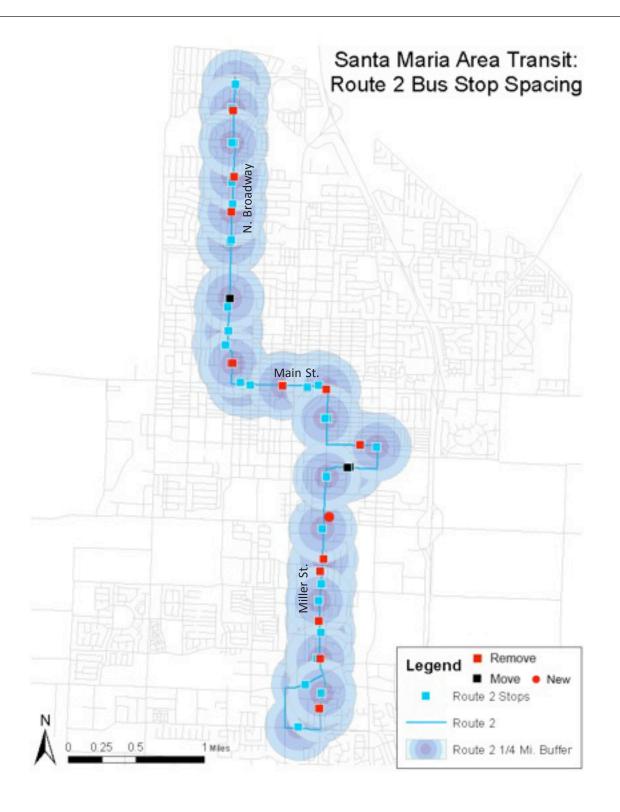


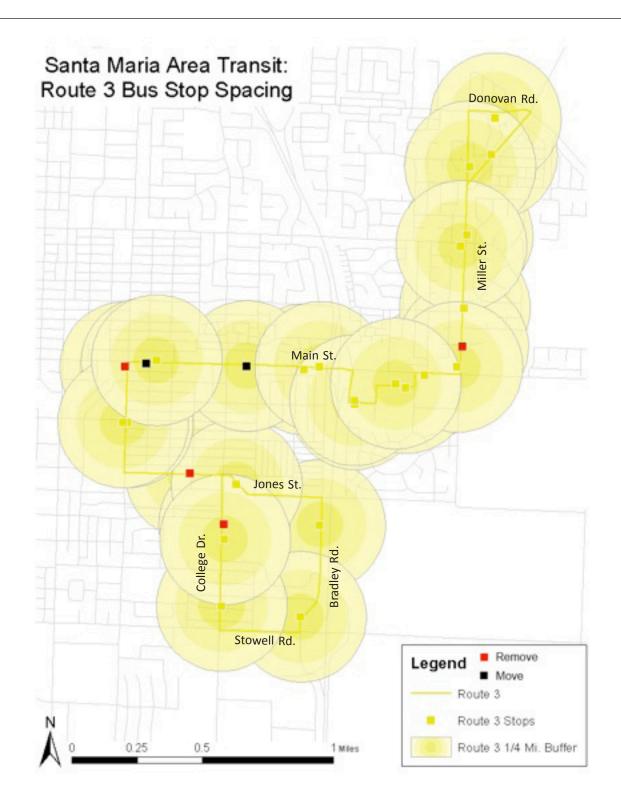


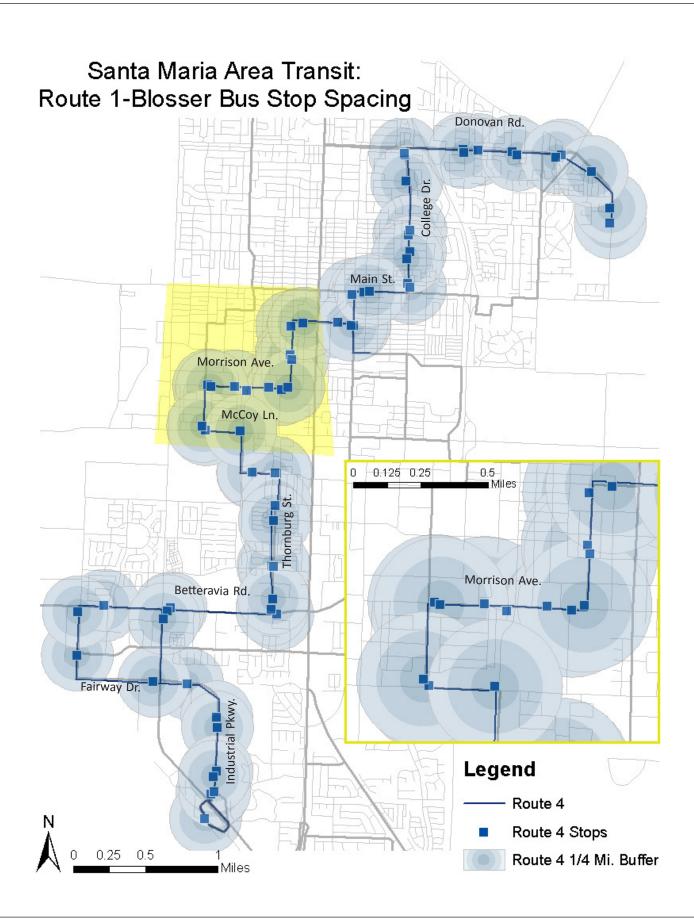
Appendix H

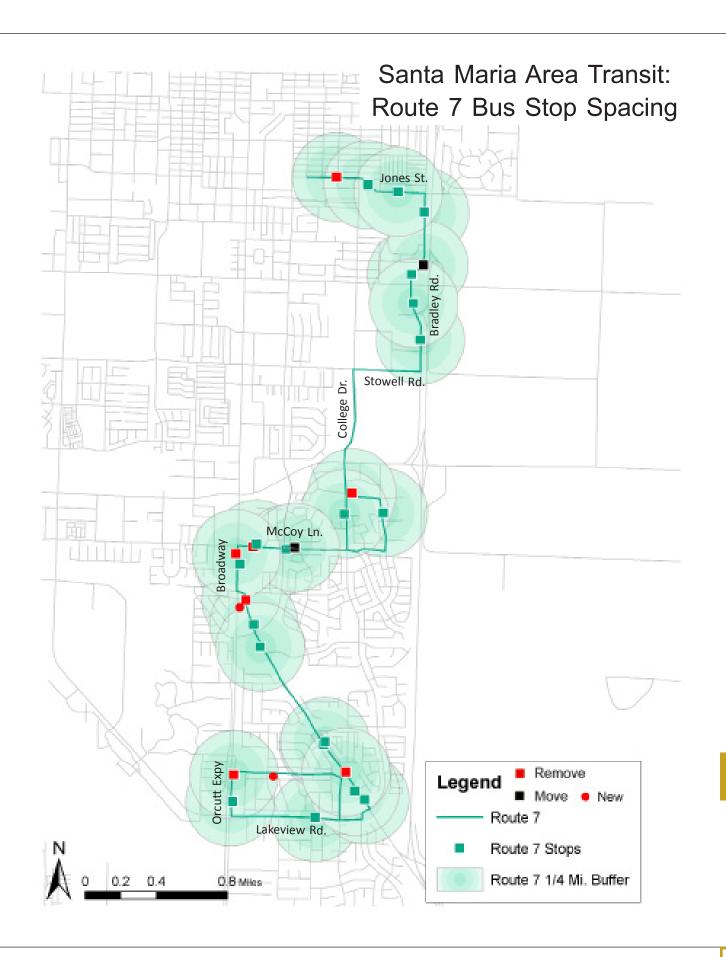




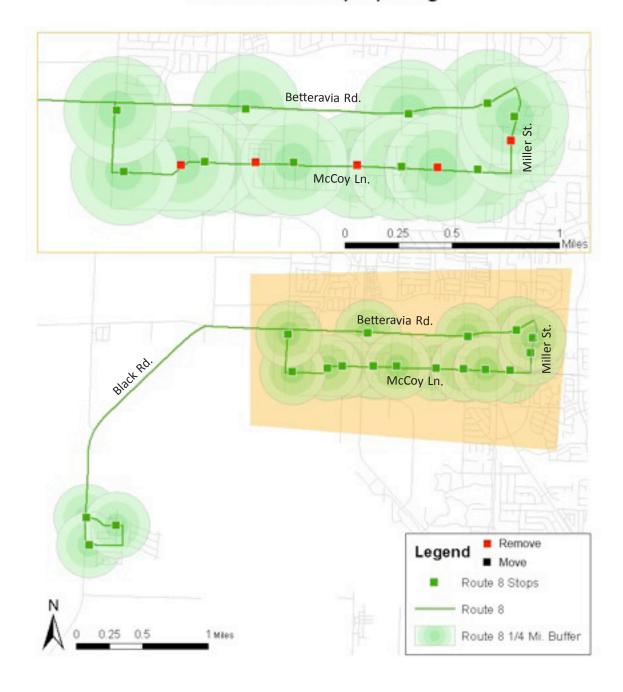


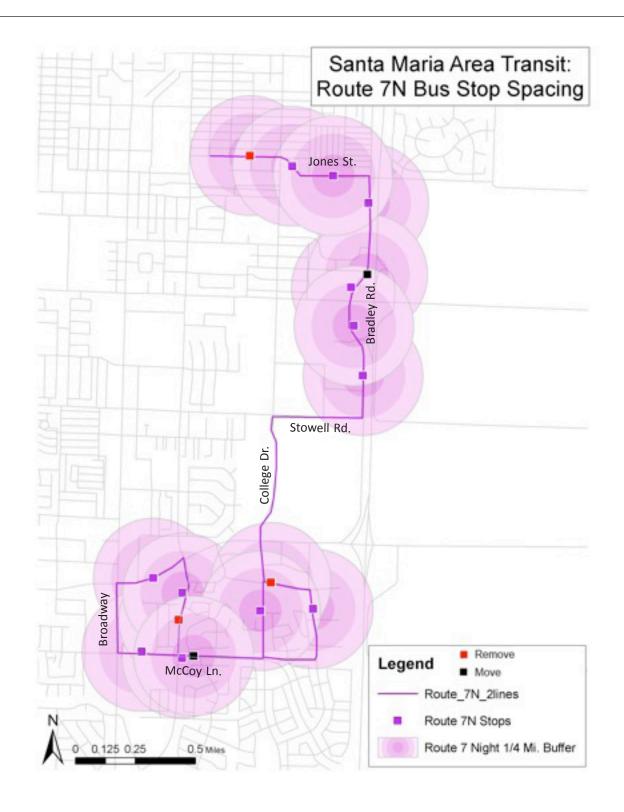






Santa Maria Area Transit: Route 8 Bus Stop Spacing





Appendix I

						+1 if "x"	new class higher
						in	than existing
						column	new class lower
						F	than existing
Bus Stop:	ى Classification	Population Density Classification	Employment ⇔ Classification	Average of columns ∾ "C" and "D"	within 1/4mi of POI	New Classification	Notes
2300 S. Broadway at Stinky's	N/A	1 N/A	N/A	Z N/A		∠ N/A	
3070 Skyway (Work, Inc.) "A" Street (Pole #6529;Carpenter's Union	IN/A	IN/A	IN/A	IN/A		IN/A	
Training Ctr)	-	1	2	2		2	
2240 "A" Street at Betteravia		1	2	2 2		2	
A Street at McCoy (Vocational Training	-		۷	۷		2	
Cntr)	3	0	2	1		1	
(Cita)			_	'			Don Class = 2
	3	2				2	Pop. Class = 2 due to proximity
	3	2	4	0		2	of MHP
Airport Mobile Home Park		_	1	2		4	OI WITH
Alt. Town Center Mall	2	2	4	3	Х	4	
Autopark at Mercury (Casino Bus Center)	2	1	2	2		2 3 3	
Betteravia at Blosser	1	1	4	3		3	
Betteravia at Skyway (McD's)	2	1	4	3		3	
Betteravia at Target	4 1	1 1	4	3 3	Х	4	
Betteravia at Thornburg	2	2	4 3	3		3 3	
Betteravia at Westgate 200 E. Betteravia at Broadway	3	1	4	3	Х	4	
Blosser at Clark	3	1	1	1	^	1	
Blosser at Foxenwood SB	1	1	1	1		1	
Blosser at Rick	<u>'</u>	2	1	2		2	
Blosser at Solomon	1	1	1	1		1	
Boone at College	_	2	4	3	Х	4	
Boone at East	1	2	4	3	X	4	
Bradley at Allan Hancock NB	2	1	3	2	X	3	
Bradley at Allan Hancock SB	3	2	4	3	X		
Bradley at Crossroads Shopping Cntr	4	2	3	3		3	
Bradley at Francine	2	2	2	2		2	
Bradley at Parkland (St. Joe HS)	2	1	2	2 2	Х	3	
Bradley at Patterson	1	2	3	3		3	
Bradley at Stowell NB (In-N-Out)	3	1	4	3	Х	4 3 2 3 4	
Bradley at Stowell SB	2	1	3	2	х	3	
Bradley at Taco Bell	4	1	3	2	х	3 3 2 3	
Bradley at Village NB	2	1	2	2		2	
Broadway at Alvin	4	2	3	3		3	
Broadway at Battles	3	2	4	3	Х	4	
Broadway at Betteravia (CVS)	3	1	4	3	Х	4	
Broadway at Carmen	3	1	4	3	Х	4	

	_	_					
Broadway at Carmen NB Ln	-	1	4	3	Х	4	
Broadway at Colegio (SMHS)	3	2	4	3	Х	4	
Broadway at Dal Porto NW	-	1	4	3	Х	4	
Broadway at Enos NB	4	2	4	3	Х	4	
Broadway at Enos SB	4	2	4	3	Х	4	
Broadway at Fesler	3	2	4	3	Х	4	
Broadway at Grant	3	2	2	2	Х	3	
Broadway at Hermosa (Walgreens)	2	2	4	3		3	
Broadway at Jones NB	2	2	4	3	Х	4	
Broadway at Jones SB (RR Tracks)	2	2	4	3		3	
Broadway at McCoy (Kohl's)	-	1	4	3		3	
Broadway at McElhany	4	2	3	3		3	
Broadway at Mill	3	2	4	3	Х	4	
Broadway at Morrison (SMHS)	2	2	4	3	х	4	
Broadway at Newlove NB	2	2	4	3	X	4	
Broadway at Newlove SB	4	3	4	4	X	4	
Broadway at Orchard NB	3	3	2	3		3	
Broadway at Orchard SB	3	3	2	3		3	
Broadway at Sunset	2	3	3	3		3	
Broadway at Taylor(Vallarta Center)	_	2	2	2	Х	3	
Broadway at Tunnel	2	2	4	3	^	3	
Broadway at Villiams NB at Donovan	3	2	2	2		2	
Broadway at Williams ND at Donovan	_	_	_				
Broadway at Williams SB North of Donovan	3	2	2	2		2	
Church at Palisade (Marian Hospital)	4	1	4	3	Х	4	
Church at N Palisades	-	1	4	3	Х	4	
Clark at Broadway	1	2	3	3		3	
Clark at Dyer	2	2	3	3		3	
Clark at HW135	-	1	2	2 2		2	
Clark at Michael	1	2	2	2		2	
Clark at Oak Knoll Center EB (S of st.)	3	1	3	2		2	
Clark at Oakridge Park	1	2	1	2		2	
Clark at Stillwell	2	1	1	1		1	
College at E Boone AHC Entrance #6	-	1	4	3	Х	4	
College at Bunny (Pole #2320)	-	2	2	2		2	
College at Chapel	2	2	4	3		3	
College at E Chapel	-	2	4	3		3	
College at E del Norte (Community Park)	-	2	3	3	Х	4	
College at El Camino	-	2	3	3		3	
College at Fesler	-	2	4	3		3 3 3	
College at Hermosa(Lighting Across street)	-	2	3	3		3	
College at Mariposa NB	2	2	4	3	Х	4	
College at Park NB (Hancock College)	3	1	4	3	х	4	
College at Park SB (Hancock College)	3	1	4	3	X	4	
College at Tunnell	-	2	3	3		3	
College at W Vickie	_	1	3			2	
College at E Vickie (4246)	_	1	3	2		2	
Cook at Lincoln	_	2	4	2 2 3	Х	3 2 2 4	
Cook at Western WB	3	4	4	4		4	
County Government Center	4	1	3	2	Х	3	
Cypress at Depot (Greyhound)	2	3	4	4	^	4	
Cypress at Nicholson	2	1	4	3	Х	4	
Cypress at Nicholson(IHOP)		1	4	3		4	
Cypicss at in micholson (in IOF)	_		4	3	Λ	4	

Depot at E Mill	Depot at Mill	2	3	4	4		4	
Donovan at Bay		_						
Donovan at Canyon	•	2						
Donovan at Charlie (4345)	, and the second				3			
Donovan at Magellan (2551)	·	_			2			
Donovan at Magellan (2551)		(3)1			3			
Donovan @ Merrill Garden Access #4932 pole Donovan at La Salle (Pepperwood) 1	<u> </u>	-						
Donovan at La Salle (Peppenwood)				_	_			
Enos at Thornburg SB		-	2	1	2		2	
Enos at Thornburg SB		1	2		2		2	
Enos at Thornburg SB		Ė			2			
Enos at Thornburg SB		2			2	Y		
Enos at Thornburg SB					2			
Enos at Thornburg SB					3			
Fairway at Aviation (Coca-cola)			2					
Failway at Skyway						^		
Foster at Bradley (Righetti HS)	` '						3	
Foster at California SB						V		
Foster at Hillview						Х		
Foster at Hummel SB								
Foster at Lockford		- 1			3	Х		
Foster at Orcutt Frontage (The Jetty)			2		2		2	
Foster at Broadway WB (across Mental Health)							2	
Health		2	2	2	2		2	
Health Hidden Pines at Boxwood Hidden Pines at Boxwood N side (Pole# 4014) - 2 2 2 2 2	` `	2	1		4		1	
Hidden Pines at Boxwood N side (Pole#4014)	,							
Hidden Pines at Preisker Lane (Pole #4005)		-	2	2	2	Х	3	
Hidden Pines at Preisker Lane (Pole	· ·	_	2				3	
#4005) Hidden Pines at Transit Circle Hillview at Cambria NB Hillview at Stratford NB 1 2 3 3 X 4 3037 Industrial (Service Entrance) 3138 Industrial Pkwy (SoCalGasCo) Industrial at Construction Entrance Lot #9(1828) Industrial at RR Tracks Industrial at E RXR (Pole #1568) Industrial at E RXR (Pole #1568) Industrial at Skyway 2 1 3 2 X 3 Industrial at Skyway 2 1 3 2 X 3 Industrial at Skyway 2 1 3 2 X 3 Industrial at Skyway 2 1 3 2 X 3 Industrial at E RXR (Pole #1568) Industrial at E RXR (Po	,			2	2	Х		
Hidden Pines at Transit Circle		_	2				3	
3037 Industrial (Service Entrance) - 0 4 2 x 3 3 3138 Industrial Pkwy (SoCalGasCo) - 0 3 2 x 3 3 3 3 3 3 3 3 3					2	Х		
3037 Industrial (Service Entrance) - 0 4 2 x 3 3 3138 Industrial Pkwy (SoCalGasCo) - 0 3 2 x 3 3 3 3 3 3 3 3 3		-			2			
3037 Industrial (Service Entrance) - 0 4 2 x 3 3 3138 Industrial Pkwy (SoCalGasCo) - 0 3 2 x 3 3 3 3 3 3 3 3 3					2			
3138 Industrial Pkwy (SoCalGasCo) - 0 3 2 x 3 3 3 3 3 3 3 3 3		1						
Industrial at Construction Entrance Lot #9(1828)		-			2			
#9(1828) Industrial at RR Tracks Industrial at E RXR (Pole #1568) Industrial at Skyway Industrial at E RXR (Pole #1568) Industrial at Extends Ind	,	-	0	3	2	Х	3	
#9(1828)		_	0				3	
Industrial at E RXR (Pole #1568)	` '							
Industrial at Skyway		1			2			
Jones at Bradley (Allan Hancock) 2		-			2			
Jones at College								
Lakeview (Across 242 Lakeview) - 2 3 3 3 3 3 4 3 3 3 4 3 3 <								
Lakeview at Hillview 1 2 2 2 2 Lakeview at Orcutt Frontage 2 1 2 2 2 Lakeview Rd. at Lakeview Ct. 1 2 2 2 2 Main at Bradley (Freeway) 3 2 4 3 3 Main @ N Bradley - 2 4 3 x 4 Main @ School (in front of Rabobank) - They run parallel - 2 4 3 x 4 Main at College 3 2 4 3 3		2			3	Х		
Lakeview at Hillview 1 2 2 2 2 Lakeview at Orcutt Frontage 2 1 2 2 2 Lakeview Rd. at Lakeview Ct. 1 2 2 2 2 Main at Bradley (Freeway) 3 2 4 3 3 Main @ N Bradley - 2 4 3 x 4 Main @ School (in front of Rabobank) - They run parallel - 2 4 3 x 4 Main at College 3 2 4 3 3		-	2	2	2		2	
Main at Bradley (Freeway) 3 2 4 3 3 Main @ N Bradley - 2 4 3 x 4 Main @ School (in front of Rabobank) - They run parallel - 2 4 3 x 4 Main at College 3 2 4 3 3			2		2		2	
Main at Bradley (Freeway) 3 2 4 3 3 Main @ N Bradley - 2 4 3 x 4 Main @ School (in front of Rabobank) - They run parallel - 2 4 3 x 4 Main at College 3 2 4 3 3					2		2	
Main at Bradley (Freeway) 3 2 4 3 3 Main @ N Bradley - 2 4 3 x 4 Main @ School (in front of Rabobank) - They run parallel - 2 4 3 x 4 Main at College 3 2 4 3 3					2		2	
Main @ N Bradley Main @ School (in front of Rabobank) - They run parallel Main at College 2 4 3 x 4 4 4 3 x 4 A 3 x 4 4 3 x 3 x 4			2		2		2	
Main @ School (in front of Rabobank) - They run parallel Main at College 3 2 4 3 x 4 3 x 3	3 (3/	3						
They run parallel Main at College 3 2 4 3 x 4 Main at College 3 2 4 3 3		-	2	4	3	Х	4	
Main at College 3 2 4 3 3	Main @ School (in front of Rabobank) -		2				1	
Main at College 3 2 4 3 3 Main at Curryer SW - 2 4 3 3	They run parallel	_	2	4	3	Х	4	
Main at Curryer SW - 2 4 3 3		3			3			
	Main at Curryer SW	-	2	4	3		3	

	_						
Main at N Lincoln	-	2	4	3	Х	4	
Main at S Lincoln	-	2	4	3	Х	4	
Main @ School (South West)	-	2	4	3	Х	4	
Main at Smith	-	2	4	3		3	
Main at Vine (Sign Craft)	-	2	4	3	Х	4	
Main West of Suey	3	2	4	3	Х	4	
McCoy at Broadway (S side st.)	4	2	4	3		3	
McCoy at Broadway (Albertson's) (N side	1 ,	_				2	
st.)	4	2	4	3		3	
McCoy at Caballero SE Midblock	-	2	3	3	Х	4	
McCoy at Depot	1	1	4	3		3	
McCoy at Eastbury	1	2	4	3		3	
McCoy at Miller	1 1	2	3	3	Х	4	
McCoy at Sandpiper SE	_	1	4	3		3	
McCoy at Skyway	2	1	4	3		3	
McCoy at Thompson	1	1	4	3		3	
McCoy W of Broadway	3	1	4	3		3	
McCoy W of Thompson	1	Ö	4	2		2	
2040 McCoy at Westgate	_	0	2	1		1	
Miller at Arboles (Arborwalk gate)	_	2	3	3	Х	4	
Miller at Battles	1	2	4	3	^	3	
Miller at Battles Miller at Betteravia (Occupational Medical	'			3		3	
Group)	-	2	4	3	v	4	
Miller at Cook SE		2	4	3	X	4	
	-	2		3	X	4	
Miller at Cook SW	-		4	3	X	4	
Miller at E Daniel	-	2 2	4		X	4	
Miller at W Daniel(Betteravia)	-		4	3	Х	4	
Miller at Enos NB	2	2	4	3	Х	4	
Miller at Enos SB	2	2	4	3	Х	4	
Miller at Inger NB	1	2	3	3	Х	4	
Miller at Inger SB	2	2	3	3	Х	4	
Miller @ Main	-	2	4	3	Х	4	
Miller at Morrison(1974)	-	2	4	3	Х	4	
Miller at Newlove	2	3	4	4		4	
Miller at Stowell	3	2 3	4	3	Х	4	
Morrison at Depot	2		3	3	Х	4	
Morrison at Railroad	2	3	3		Х	4	
Morrison at Thornburg SB	2	3	4	4	Х	4	
Morrison at Thornburg (SMHS) NB	4	2	4	3	Х	4	
Morrison at Western NB	1	4	3	4		4	
Morrison at Western SB	2	4	3	4		4	
Oak Knoll Rd at Kenneth NB	1	2	2	2		2 2 2	
Oak Knoll Rd at Tilbury (NB)	1	2	2	2		2	
Orcutt Frontage at Clark SB	2	1	2	2		2	
Orcutt Rd at N of Clark Ave (Breeze stop)	-	1	2	2 2 2 2 2 2 2 2 2		2 2	
Orcutt Frontage at Evergreen Shop Cntr	2	1	2	2		2	1
Orcutt Frontage at Valley View	1	2	1	2		2	
Orcutt Frontage at Winter Rd NB	(2)3	2	2	2	Х	3	
Orcutt Frontage at Winter Rd SB	2	2	2	2	X	3	
Orcutt Rd at Winter Rd SE	_	2	2	2		2	
Panther Dr at Centennial (4600)	_	2	1	2 2	х	3	
Panther at Domingues (PVHS)	1	1	1	1	X	2	
Park at Elizabeth (Mussel Sr center)	2	2	4	3		4	
- and at Enzapotin (Maddol Of Conton)		-			^	T T	

Park at Oakwood (Mussell Senior Cntr)	2	2	4	3	v	1	
Pine at Cook SB	2	2 3	4	4	X X	4 4	
Pine at Jones NB	2	4	4	4	X	4	
Pine at Jones SB	1	4	4	4		4	
	3	2	4	3	v	4	
Prine at Morrison (BV Park)	3	2	2	2	X	3	
Preisker at Boomers	-	2		2	X		
Preisker Ln across Boomers	-	2	2		X	3	
Preisker at Johnson (Pole#4519)	-	3	1	2	Х	3	
Railroad at Alvin (Boys/Girls Club)	2		3				
Railroad at Boys & Girls Club (1784)	-	3	3	3		3 2 2 3	
Railroad at Canal NW	-	2	2	2		2	
Railroad at Canal SE	-	2	2	2		2	
Railroad at Creston	-	3	2	2 2 3 3		3	
Railroad at Donovan NB	2	3	2			3	
Railroad at Donovan SB	3	3	2	3		3	
Railroad at El Camino	-	3	3	3		3	
Railroad at Fesler	2	3	3	3		3	
Railroad at Grant	2	3	2	3		3	
Railroad at Hidden Pines	2	2	2	2		2	
Railroad at W Rancho Buena Vista (3796)	-	2	2	2		2	
Railroad at Taylor	4	3	2	3		3	
Railroad at E Taylor	-	2	2	2 2		2	
Railroad at Vista Montana	1	2	2			2	
Rice Ranch at Bradley (Pole #42132)	-	1	1	1		1	
Rice Ranch Rd at Graciosa	2	1	1	1		1	
Rice Ranch Rd at Princeton SB	1	1	1	1		1	
Santa Maria Airport	3	0	3	2	Х	3	
Santa Maria Way at Bradley	2	1	1	1		1	
Santa Maria Way at Broadway	2	2	3	3		3	
Santa Maria Way at Del Cielo MHP NB	1	2	1	2		3 2	
Santa Maria Way at Hillview	1	2	1	2		2	
Santa Maria Way at Holly Oak SB (Del	1 ,	0				0	
Cielo MHP)	1	2	1	2		2	
Santa Maria WY at Holly Oak Ln (HWY		•				0	
Drive In)	-	2	1	2		2	
Santa Maria Way at Miller	1	1	3	2 2 2		2	
Santa Maria Way at Sunrise (K-Mart)	2	1	3	2		2	
2336 Skyway (Pole #3086)	_	1	4	3		3	
Southside Pkwy at Volkswagon	_	1	3	2	Х	3	
Stillwell at Cameo NB	1	2	1	2		2	
Stillwell at Tiffany Park Court NB	1	1	1	1		1	
Stowell at Cecelia (Marian Urgent Care)	3	2	4	3	Х	4	
Stowell at Depot (pole#6114)	_	2	3	3		4	
	2	2		3	×		
Stowell at Western	2	2	3	3	х	4	

	-	_				_	_
Suey at Alvin	2	2	2	2		2	
Suey @ W Alvin	-	2	2	2		2	
Suey at Fesler	2	2	3	3		3	
Suey @ Jonathan	-	2	3	3	Х	4	
Suey @ Main(4782)	-	1	4	3	Х	4	
Suey @ Merrill Garden Main Entrance	-	2	1	2		2	
Suey Rd. Crossing @ Seapark Dr. #4943	-	2	1	2		2	
Tanglewood at Black Rd	2	0	1	1		1	
Tanglewood Market	4	0	1	1		1	
Tanglewood at 3390 Willowood	-	0	1	1		1	
Taylor at Casa Grande	2	2	2	2		2	
Taylor at Lincoln	2	2	2	2	Х	3	
Thornburg at Battles	2	4	3	4	Х	4	
Thornburg at Betteravia NB North of Bett	1	1	4	3		3	
Thornburg at Betteravia SB at	1	1	4	3		3	
Thornburg at Carmen NB	2	3	4	4		4	
Thornburg at Carmen SB	2	3	4	4		4	
Thornburg at Newlove	2	4	3	4	Х	4	
Town Center Mall Transit Cntr	4	1	4	3	Х	4	
Western at Stowell	1	2	3	3		3	

Appendix J





Automatic Vehicle Location Fact Sheet: Transit Overview

September 2007

Technology Overview

An Automatic Vehicle Location (AVL) system is a computer-based vehicle tracking system that uses a specific location technology (usually Global Positioning Satellites – GPS) and a method of transmitting that real-time location of any receiver-equipped bus, van, train, or boat from the vehicle to a dispatch center. GPS satellites locate the bus, and the location data are then transmitted to the transit center through the communications system. The AVL-data can be used immediately for daily operations or archived for further analysis.

As a stand-alone technology, AVL does not serve many functional purposes. When combined with other technologies or processes, however, it can deliver many benefits in the areas of fleet management,

Use AVL to:

- Locate transit fleet
- Monitor schedule performance
- Assign appropriate vehicle for route deviation or demand response pickup
- Provide more efficient transit vehicle and modal connections
- Enhance on-board safety through quicker incident response

systems planning, safety and security, traveler information, fare payment, and data collection. Introduction of an AVL system is often the first step in a more comprehensive **Intelligent Transportation Systems (ITS)**

implementation.



Common Technology Combinations

Daily Operations

Combined with Computer-Aided Dispatch (CAD) and Geographic Information Systems (GIS), AVL optimizes dispatching and allows each whicle to service more passengers. Agencies often realize reductions in nonrevenue miles, passenger wait times, and fleet size. AVL is utilized by Transit Signal Priority (TSP) systems through the detection of specific

transit vehicles as they approach select intersections.

Safety and Security

AVL data displayed on a GIS map facilitates incident response.

Systems Planning and Fleet Management

AVL data can be used for systems planning and fleet management. When this data are combined with bus stop and facility inventory data, they can be mapped on GES. These data can also be linked to **Automatic Passenger Counters (APC)** to gather ridership information by location and time. The data can be used for planning routes, schedules, and facility and fleet requirements.

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Figure J-1: FTA Automatic Vehicle Location Fact Sheet, part 1

Source: Federal Transit Administration, Office of Research, Demonstration, and Innovation, Office of Mobility Innovation Research and Innovative Technology Administration, John A. Volpe National Transportation Systems Center. September 2007.

Traveler Information

When linked to an electronic traveler information infrastructure, an AVL system will provide information on expected armyal times.

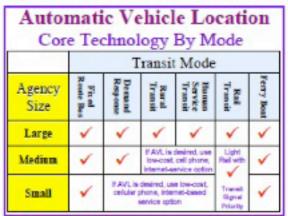
Electronic Fare Payment

An AVL system will collect fare information by location and trigger **electronic fare boxes** to accept different payment amounts across fare zones.

Is This Technology Right for My Agency?

AVL systems provide a number of benefits, including:

- Interoperability with existing and planned technologies
- Flexibility for changes in flext stre.
- Capability for testing technology on a subset of vehicles
- Capacity for data storage and analysis
- System-sharing across modes and across agendes in a regional context.



AVL systems are available at a wide range of costs and levels of sophistication to satisfy the budget constraints and needs of most agencies. Smaller agencies may wish to consider off-the-shelf, web-based systems, while larger agencies can contract with a vendor to install customized, integrated systems.

Agencies that have already implemented some of the technologies can extract more benefits by adding AVL. In general, AVL is a core technology for

Ranger agencies, especially bus and multimodal agencies, as they can spread the cost of the system over a larger

fleet size. Larger agencies also require more complex analytical tools for systems planning and fleet management. Human services and demand-response agencies can capture the most benefits from an AVL-based communications and dispetching system that allows for dynamic rerouting and more efficient fleet utilization.

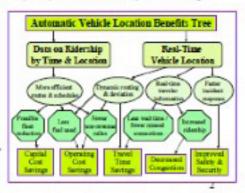


Figure J-2: FTA Automatic Vehicle Location Fact Sheet, part 2

Source: Federal Transit Administration, Office of Research, Demonstration, and Innovation, Office of Mobility Innovation Research and Innovative Technology Administration, John A. Volpe National Transportation Systems Center. September 2007.

Benefits and Costs

Benefits

- Decreased passenger late arrivals by 21%.
- · Improved on-time bus performance by 9%-23% in large cities.
- · Reduced incident-response time by up to 50%.
- · Possible savings include:
 - Reduced data-collection costs (Atlanta's NARTA reports saving \$40,000 per year).
 - o Decreesed labor costs for schedule checkers.
 - Fleet reductions of 2%-5%, especially with CAD (Kansas City saved \$1.6 million).

Costs

Price

Costs for onboard GPS equipment ranges from \$500 to \$2,000 per vehicle. Total implementation costs per vehicle can reach \$15,000, with median per vehicle cost estimated at \$8,000. Attanta paid \$27,000 per vehicle with CAD integration.

A stand-alone AVL system cost a small rural agency in Iowa \$80,000, whereas Baltimore paid close to \$8 million for its implementation.

A small agency paid \$50,000 for a 12-vehicle deployment of AVI. linked to traveler information, while a large urban agency incurred a cost of \$70 million to equip 5,700 buses. The median AVI. system deployment cost is in the \$200,000 range.

Commercial GPS can pinpoint a vehicle's location to within 3 to 4 feet.

Operations and Maintenance (O&M)

OBM costs for onboard equipment average 2% of the original capital cost.

- Recurring costs can include telecom service fees.
- Capital costs ranged from \$10,000 to \$50,000 per dispatch center in 1999.

Training

Expect an eight-hour day per driver and dispatcher for AVL and Mobile Data Terminal (MDT) implementation.

Transit Agency Deployments

Agency	Contact Information	Number of Vehicles	Context / Success of Deployment
Los Angeles County Metropolitan Transportation Authority (LAC MTA)	One Gateway Plaza Los Angeles, CA 1-000-COMMUTE (1-000-266-6003)	2,450 buses	Integrated AVL system archives and automatically feeds run-time data to scheduling department.
Denver Regional Transportation District (RTD)	1600 Blake 0t. Deniver, GO 303-628-9000	1,335 buses	Use of AVL, combined with an upgrade in the radio communications system and MDTs, improved on-time performance and increased ridership.
Metro Transit (serving Minnespolis/St. Paul)	560 Dixth Ave. N. Minneapolis, MN 512-373-3333	922 buses	Integrated AVL and GAD along with APC and a new regional digital 800MHz radio system.

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Figure J-3: FTA Automatic Vehicle Location Fact Sheet, part 3

Source: Federal Transit Administration, Office of Research, Demonstration, and Innovation, Office of Mobility Innovation Research and Innovative Technology Administration, John A. Volpe National Transportation Systems Center. September 2007.

Metropolitan Atlanta Rapid Transit Authority (MARTA)	2424 Pledmont Rd. Atlanta, GA 404-848-9000	556 buses	Use of AVL and CAD resulted in operating savings and provided detailed cost information.
Milwaukee Country Transit System (MCTS)	1942 North 17th St. Milwaukee, Wil 414-344-4550	484 buses	Use of an integrated AVL system improved on-time performance and adherence to schedules.
Montachusett Area Regional Transit Authority (MART)	R 1427 Water St. Fitchburg, MA 978-345-7711	23 buses	Employs AVL and MOT for its fixed and demand-response buses.

Additional Resources

- Real-Time Bus Arrival Information Systems Return-on-Investment Study (August 2005),
- http://www.fta.dot.gov/documents/Final_Report Real-Time_Systems_ROI_Study.doc ITS Applications for Coordinating and Improving Human Services Transportation A Cross-Cutting Study (August 2006); http://www.itsdocs.fnwa.dot.gov/jpodocs/REPTS_TE/14140.htm
- Advanced Public Transportation Systems: State Of-The-Art Update 2006 (March 2006),
- http://www.fta.dot.gov/documents/APTS_State_of_the_Art.pdf
 Best Practices for Using Geographic Data in Transit: A Location Referencing Guidebook Defining Geographic Locations of Bus Stops, Routes and other Map Data for ITS, GIS and Operational Efficiencies (April 2005); Report. No.: FTA-NJ-26-7044-2003.1; http://www.fta.dot.gov/assistance/research/research_4611.html
- Strategies to Expand and Improve Deployment of ITS in Rural Transit Systems TRB Document 84 / Project 3-09 (February 2005); http://onlinepubs.trb.org/onlinepubs/tcrp/tcrp_rpt_84v6.pdf
- Handbook of Automated Data Collection Methods for the National Transit Database (October 2003), http://www.nctr.usf.edu/pdf/473-11.pdf
- Uses of Archived AVL-APC Data to Improve Transit Performance and Management: Review and Potential TCRP Web Document 23 / Project H-28 (June 2003); http://onlinepubs.brb.org/onlinepubs/tcrp/tcrp_webdoc_23.pdf
- Gudance for Developing and Deploying Real-Time Information Systems for Transit (April 2003);
- http://mtl.bts.gov/lb/23000/23600/23663/RTTIS_Final.pdf Rural Transit ITS Best Practices (March 2003); Report No. FHWA-OP-03-77 / EDL No. 13784; http://www.ltsdocs.frwa.dot.gov/JPODOCS/REPTS_TE/13784.html
- Guidebook for Selecting Appropriate Technology Systems for Small Urban and Rural Public Transportation Operators TCRP Report 76 / Project 8-17 (2002); http://onlinepubs.trb.org/onlinepubs/tcrp/cor_rpt_76.p Bus Rapid Transit and the use of AVI, Technology: A Survey of Integrating Change (2002); California PATH
- Research Report No. UCB-ITS-PRR-2002-17;
- http://repositories.cdib.org/cgi/viewcontent.cgi/article=15598.context=ts/path Advanced Public Transportation Systems for Rural Areas: Where Do We Start? How Far Should We Go? TCRP Web Document 20 / Project B-17 (June 2001); http://onlinepubs.trb.org/onlinepubs/tcm/tcm/web.doc, 20.pdf
- ITS Decision Website: Automatic Vehicle Location (Last updated: February 2001); Caltrans and California Center for Innovative Transportation at the University of California at Berkeley; http://www.calcolt.org/itsdecision/serv_and_tedty/Automatic_vehicle_location/automatic_vehicle_location_summ
- Automatic Vehicle Location Successful Transit Applications: A Cross-Cutting Study (August 2000); Report No. FHWA-OP-99-022/ FTA-TRI-11-99-12 / EDL No. 11487; http://www.itsdocs.frwa.dot.gov//JPODOCS/REPTS_TE//11487.pdf



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Figure J-4: FTA Automatic Vehicle Location Fact Sheet, part 4

Source: Federal Transit Administration, Office of Research, Demonstration, and Innovation, Office of Mobility Innovation Research and Innovative Technology Administration, John A. Volpe National Transportation Systems Center. September 2007.

Appendix K

		NEW																			
New bus stops	ı						Ĵί		ųs												
Bus Stop:	New Classification	Pole	ngiS TAMS	Landing Pad Free Standing Bench	Bench in Shelter	Shelter	Free Standing Ligh	Light in Shelter	Free Standing Tras	Trash on Shelter	Recycling	Trash/Recycling Combo	Schedule Rack	Schedule Rack Insert	Sidewalk	Crosswalk	Red Curb	No Park Signs Schedule Poster	Advertisement	Newsbox	Bike Rack
Broadway at Stinky's	2		_	_					_				<u>_</u>	_	<u> </u>		<u> </u>			-	
"A" Street (Pole #6529; Carpenter's Union Training Ctr)	2	-	_	7			~		-				-	-							
2240 "A" Street at Betteravia	2	_	-	_	H	H	_		-		T		-	-		T	t		\vdash	╀	L
A Street at McCoy (Vocational Training Cntr)	-	H	_		H	L	-				T		-	-	-	T	H	\vdash	\vdash	L	L
Airport Mobile Home Park	2		1	_		_	_		-				_	_	\vdash	H	_	-	\vdash		
Alt. Town Center Mall	4	\vdash	1			_		_		_	T		-	_	\vdash	\vdash	\vdash	Ė	F	_	_
Autopark at Mercury (Casino Bus Center)	2		1	1	-	_			F				_	1				-	\vdash		
Betteravia at Blosser	3		1					-		_	Н		1	1	Н	H	H	Ĥ	Н		
Betteravia at Skyway (McD's)	3		1			_		-		_			1	-					L		
Betteravia at Target	4		1		_	_		1		1			,	-				,	_		-
Betteravia at Thornburg	3		1			_		1		_	H		-	-		H	H	H	H		
Betteravia at Westgate	3		1			_		-		_			-	-		H		_	F		
Betteravia East of Broadway	4		1		F			-		_			1	1				Ė	H	_	_
Blosser at Clark	1	1	1				-						_	-							
Blosser at Foxenwood SB	1		1				-				П		,	-	H	Н	H	Н	Н		
Blosser at Rick	2	1	1				1		-				-	-							
Blosser at Solomon	1		1	1		\square	1				H		-	-	1	H	H	H	H		
Boone at College	4	1	1		_	_		1		_			_	-						_	_
Boone at East	4		1		_	_		1		1			,	-				,	_	1	-
Bradley at Allan Hancock NB	3		1			_		1		_	H		-	-		H	H	H	H		
Bradley at Allan Hancock SB	4		1			_		1		_			-	_		H		Ė	L	-	_
Bradley at Crossroads Shopping Cntr	3		1		_	_		1		1			,	-				•	_		
	2		1	1			-		-		H		,	-		H	H	Н	Н		
Bradley at Parkland (St. Joe HS)	3		1		_	_		-		_			-	-				_	L		
Bradley at Patterson	3		. 1	1	_	_		1		1			,	-				,	_		
Bradley at Stowell NB (In-N-Out)	4		1		_	_		-		_			_	-				_	L	_	_
Bradley at Stowell SB	3		1			_	Ц	1		_	П		-	-	Н	H	H	H	H		Ш
Bradley at Taco Bell	3		. 1	1	_	_		1		1			,	-				,	_		
Bradley at Village NB	2		1	-		Ц	Ц		_		H		-	-	H	H	H	Н	Н		
Broadway at Alvin	3	Н	1				Ц	-		_	Н		-	-	H	Н	H	H	Н		Ш
Broadway at Battles	4		_			_	Щ	-		-	\Box		-	-		\sqcap	\dashv	H		_	_
Broadway at Betteravia (CVS)	4	7	—	\downarrow			_	-		-	7	1	_	-	\dashv	\dashv	\dashv		\exists		
Broadway at Carmen	4	1	_	-	\exists		\perp	_		_	┨	7	_		\dashv	\dashv	\dashv	\dashv	\exists	_	_

Broadway of Carmon NB I n	_	_	_		_	_		_	_		,	-	-			-	_	_
Broadway at Colegio (SMHS)	4		-		-	-		-	_		-	-				-	_	_
Broadway at Dal Porto NW	4	-	_		_	-		_	_		_	_				_	_	_
Broadway at Enos NB	4	T	-	L	-	-		-	-	L	1	-	H	L		-	-	_
Broadway at Enos SB	4		-		_	-		_	_		1	_				-	_	_
Broadway at Fesler	4		1		1	1		1	_		1	1				1	1	_
Broadway at Grant	3		_		_	1		_	_		-	_				_		
Broadway at Hermosa (Walgreens)	3		1		_	1		_	1		1	1				1		
Broadway at Jones NB	4		_		1	-		1	-		1	_				1	1	1
Broadway at Jones SB (RR Tracks)	3		1		-	1		1	1		1	1				1		
Broadway at McCoy (Kohl's)	3	1	1		1	1		1	1		1	1				1		
Broadway at McElhany	3		1		1	1		1	1		1	1				1		
Broadway at Mill	4		1		1	1		1	1		l	1		1		1	1	1
Broadway at Morrison (SMHS)	4		1		1	1		_	1		-	1				_	1	1
Broadway at Newlove NB	4		1		1	1		1	1		1	1				1	1	1
Broadway at Newlove SB	4		1		1	1		1	1		l	1				1		1
Broadway at Orchard NB	3		1		1	1		1	1		1	1				1		
Broadway at Orchard SB	3		1		1	_		1	1		1	1				1		
Broadway at Sunset	3		1		1	1		1	1		l	1				1		
Broadway at Taylor(Vallarta Center)	3	1	1		1	1		1	_		_	1				_		
Broadway at Tunnel	3		-		_	-		_	_		-	_				_		
Broadway at Williams NB (Donovan)	2		-	7				1			-	1						
Broadway at Williams SB (N of Donovan)	2		_	_	+			_			_	_				_		
Church at Palisade (Marian Hospital)	4		_	\downarrow	-	\dashv]	_			_	_	\dashv	\dashv		_	4	
Church at N Palisades	4	_	_		_	-		_	_		_	_				_	_	_
Clark at Broadway	3		_	\downarrow	-	-		_	_		-	_		_		_	_	4
Clark at Dyer	3	1	_		-	-		_	_		-	_	+	+		_	4	4
Clark at HW135	2	_	_			\prod	_		_		_	_	_			+	_	4
Clark at Michael	2	1	-		$\frac{1}{1}$	\prod	-	_	\downarrow		-	_	+	4		+	4	_
Clark at Oak Knoll Center EB (S of st.)	2	7	_	\ 	\dashv	\prod	1	+	4		-	_	+	\dashv		┪	4	4
Clark at Oakridge Park	2		-	$\frac{1}{1}$	\dashv	\prod		-	4		-	_	+	4		+		4
Clark at Stillwell		1	_	_	\dashv			-	_		-	-	+	+		+	4	_
College at E Boone AHC Entrance #6	4 (_	_	ľ	_	-	,	- 	-	1	-	-	+	+		_	7	\dashv
College at Bunny (Pole #2320)	7 0	-		_	+	,		-	_				Ì			-		
College at Chanel	ი ო	_		-									t	+			+	4
College at E del Norte (Community Park)	0 4	+	- -	-	- - 	-		-	<u> </u>	1	- -	-	t	+	1	+	╀	<u> </u>
College at El Camino	. 8	-	-		\ 			_	\ -			_	T	+		-	+	1
College at Fesler	3	-	-		_	-		_	_		-	_	l			-		
College at Hermosa(Lighting Across street)	က	-	-		-	-		_	_		-	-				_		
College at Mariposa NB	4	T	-		-	-		<u>_</u>	-	L	-	-	H	L		-	_	٢
College at Park NB (Hancock College)	4		-		_	-	L	_	_		1	_	_			_	_	_
College at Park SB (Hancock College)	4		1		7	-		1	_		1	_				-	1	1
College at Tunnell	3	1	1		1	1		1	1		l	1				1		
College at W Vickie	2	1	1	1			1	1			1	1						
College at E Vickie (4246)	2	_	_				_	_			_	_						
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Cook at Lincoln	4	_	_		•	_		-		-				1				_	_	_	
Cook at Western WB	4		_	_	•			_		_				_		_		_	_	_	_
County Government Center	3		1		•	1		_		_			_	1				_			
Cypress at Depot (Greyhound)	4		1		`	1		_		-			_	-				1	1	_	
Cypress at Nicholson	4		1	1				,		T			L	1				_	_	_	
Cypress at N Nicholson(IHOP)	4	1	1			1 1		1		1				1				1	1	1	
Depot at Mill	4		1		_	_		_		-			_	-				1	1	_	_
Depot at E Mill	4	1	1			_		1		1				1				1	1	1	
Donovan at Bay	2	\vdash	_	<u> </u>	L	\vdash			_	T	_	\vdash	L	_	\vdash	_		\vdash	L	L	_
Donovan at Canyon	3		_		<u> </u>	_		_		_			L	_	ľ	_	_	-			
Donovan at Charlie (4345)	2	_	_	_			1		_				_	_							
Donovan at College	3	H	1		_	_		-	Г	F		H	L	_	H	L		-	L	L	_
Donovan at Magellan (2551)	2	_	_	_			-		_				_	_							
Donovan @ Merrill Garden Access #4932 pole	2	_	_				-		-				_	_							
Donovan at La Salle (Pepperwood)	2		1			L	-		_		_	Ė	L	_							_
Donovan at River Rock Rd (2238)	2	_	_				_		_				_	_							
Enos at Minami Center NB	3	\vdash	_		<u> </u>			-		F	_	\vdash	L	_	\vdash	_		_	L	L	_
Enos at Minami Center SB	3		-		_			-		F			L	_				_			_
Enos at Thornburg NB	4		1		1	_		-		T			L	1				_	_	_	
Enos at Thornburg SB	4		1			_		_		_			L	1				1	1	1	
Fairway at Aviation (Coca-cola)	3		1		•	1 1		1		1				1				1			
Fairway at Skyway	3		1		1	_		_		1				1				1			
Foster at Bradley (Righetti HS)	4		1			_		_		1			L	1				1	1	1	
Foster at California SB	1		1	_			1						_	-							
Foster at Hillview	4	1	1			_		_		1				1				1	1	1	
Foster at Hummel SB	2		1	_		Н			1	H		H	Ц	1				Н			
Foster at Lockford	2		1			Н	1		_					1							
Foster at Orcutt Frontage (The Jetty)	2		_	, .		Н	Ц		1					1							
Foster W of Broadway (across Mental Health)	_		_	1		4	_						_	1							_
Hidden Pines at Boxwood S side	3	1	1			_		_		1			1	1				1			
Hidden Pines at Boxwood N side (Pole# 4014)	3	1	1		1	1		1		1			1	1				1			
Hidden Pines at Preisker Lane (Pole #4005)	3	_	_		1	1		_		_			1	_				_			
Hidden Pines at Transit Circle	2	_	F			H	1		1				1	1	H	H			H	Ш	
Hillview at Cambria NB	3		1		•			_		-			1	1	1			_			
Hillview at Stratford NB	4		1		•	1 1		1		1				1				1	1	1	
3037 Industrial (Service Entrance)	3	1	1			1		_		1			_	1				1			
3138 Industrial Pkwy (SoCalGasCo)	3	1	1		1	_		1		1			1	1				1			
Industrial at Construction Entrance Lot #9(1828)	3	1	1					_		1			1	-				1			
Industrial at RR Tracks	3		1	1		1 1		1		_			L	1	1			1			
Industrial at E RXR (Pole #1568)	3	_	-			1		-		_			1	_	-			_			
Industrial at Skyway	3		1	1		1		-		T			L	1	1			_			
Jones at Bradley (Allan Hancock)	4		1		_			_		_		Ė	_	_				-	_	_	_
Jones at College	4		1					_		_			L	1				_	1	1	
Lakeview (Across 242 Lakeview)	2	1	1				1		1					-							
Lakeview at Bedford	2		1			Н	1		_	H				1	1	1					
Lakeview at Hillview	2		1						_				_	-							_
																					1

Lakeview at Orcutt Frontage	2	Г	_	\vdash	_	\vdash	È	<u> </u>	-		F	—	-	t	\vdash	L	H	\perp	_
Lakeview Rd. at Lakeview Ct.	2		-	-	~		Ť	_	-			~	-	_	<u> </u>			_	_
Main at Bradley (Freeway)	3		_			_	_	_		1		_	_			-			_
Main @ N Bradley	4	_	_				_	_		1		-	_			-	_	_	
Main @ School (in front of Rabobank)	4	_	1			1	1	1		1		_	1			1	1	1	
Main at College	3		1			Н	1	_		1		-	1			1			
Main at Curryer SW	3	-	1			1	1	1		1		_	1			1			
Main at N Lincoln	4	1	1				1	1		1		_	1			1	1	1	
Main at S Lincoln	4	_	1			1	1	1		1		_	1			1	1	1	
Main @ School (South West, Pole # 2008)	4	_	1			H	1	1		1		-	1			1	_	1	
Main at Smith	3	1	1			1	1	1		1		_	1			1			
Main at Vine (Sign Craft)	4	_	_			Н	1	7		1		_	_			-	1	1	
Main West of Suey	4		_			_		_		1		-	_			1	_	_	
McCoy at Broadway (S side st.)	3		_			_	_	1	Ц	1		-	,		-	-		Ц	
McCoy at Broadway (Albertson's) (N side st.)	က		_			_	_	_		_		_	_			_			
McCoy at Caballero SE Midblock	4	-	1			-	1	1		1		-	_			1	_	1	
McCoy at Depot	3		1			1	1	1		1		1	1			1			
McCoy at Eastbury	3		1				1	1		1		1	1			1			
McCoy at Miller	4		1				1			1		1	1			1	1	1	
McCoy at Sandpiper SE	3	1	1			1	1	_		1		_	1			1			
McCoy at Skyway	3		1			-	1	1		1		1	1			1			_
McCoy at Thompson	3		1				1	_		1		1	1			1			
McCoy W of Broadway	3		_			-	_	1		1		1	1			1			
McCoy W of Thompson	2		1		1			1	1			1	1						
2040 McCoy at Westgate	1	1	1					1				1	1						
Miller at Arboles (Arborwalk gate)	4	_	1			-	1	_		1		1	1			1	_	1	
Miller at Battles	3		_	_			1	1		1		1	1			1			
Miller at Betteravia (Occupational Medical Group)	4	1	1			1	1	1		1		1	1			1	1	1	
Miller at Cook SE	4	_	1			Н	1	1		1		_	1			1	1	1	
Miller at Cook SW	4	_	1				1	1		1		_	1			1	1	1	
Miller at E Daniel	4	_	1				1	1		1		_	7			1	_	1	
Miller at W Daniel(Betteravia)	4	_	_				1	1		1		_	1			1	1	1	
Miller at Enos NB	4		-	+		\dashv	_	_	_	1		-	_		_	-	_	_	_
Miller at Enos SB	4		_			_	_	$\overline{}$		1		_	_		_	1	_	_	_
Miller at Inger NB	4		1	H		_		_	Щ	1		-	1		Н	1	1	1	
Miller at Inger SB	4		1			-	1	1		1		-	1			1	1	1	
Miller @ Main	4	_	1			1	1	_		1		_	1			1	1	1	
Miller at Morrison (1974)	4	1	1			1	1	_		1		_	1			1	1	1	
Miller at Newlove	4		1			1	1	1		1		1	1			1	1	1	
Miller at Stowell	4		1			1	1	_		1		1	1			1	1	1	
Morrison at Depot	4		1			1	1	_		1		1	1			1	1	1	
Morrison at Railroad	4		1			-	-	_		1		_	1			1	_	_	
Morrison at Thornburg	4		1			1	-			1		1	1			1	1	1	
Morrison at Thornburg (SMHS)	4		1			1	1	_		1		1	1			1	1	1	
Morrison at Western NB	4		_	_		-	1	1		1		-	1			1	1	1	
Morrison at Western SB	4		_			_	_	_		1		_	1			1	_	_	
																			ſ

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Oak Knoll Kd at Kennetn NB	7.			7		+	+	_	<u>-</u> -		1		_	1	+			1	\dashv
Oak Knoll Rd at Hibury	2		-		-		1	\exists	_			_	_		_				
Orcutt Frontage at Clark SB	2		_		_		_	_	_			_	_						
Orcutt Rd at N of Clark Ave (Breeze stop)	2	1	_		_		Ë		_			_	_		_				_
Orcutt Frontage at Evergreen Shop Cntr	2		-		1		_	L	_			_	1						
Orcutt Frontage at Valley View	2		1		1	H	H	H			H	_	1						H
Orcutt Frontage at Winter Rd NB	3		1			1	_	_		1		1	_				1		
Orcutt Frontage at Winter Rd SB	3		1			1	1	1		1		1	1				1		
Orcutt Rd at Winter Rd SE	2	1	1		1		_		_			1	1						
Panther Dr at Centennial (4600)	3	Į.	1			1	1	1		1		1	1				1		
Panther at Domingues (PVHS)	2		1		-				_			1	1						
Park at Elizabeth (Mussel Sr center)	4		-	H		_		_		_	H	_	_		Н		_	_	_
Park at Oakwood (Mussell Senior Cntr)	4		-			_	\vdash	_		1		_	_		Н		_	Ì	$\overline{-}$
Pine at Cook SB	4		-			_	1	_		1		_	_				_	`	_
Pine at Jones NB	4		1			_	1	_		1		1	1	1			1	_	_
Pine at Jones SB	4		1	_		_	_	_		1		1	1				1	`	_
Pine at Morrison (BV Park)	4		1			-	1	1		1		1	1				1	`	_
Preisker at Boomers	3	Į.	1			1	1	_		1		_	1				1		
Preisker Ln across Boomers	3	1	_			_	_	_		_		_	_		_		1		_
Preisker at Johnson (Pole#4519)	3	1	1			1	1	1		1		1	1				1		
Railroad at Alvin (Boys/Girls Club)	3		1			_	1	_		1		1	1				1		
Railroad at Boys & Girls Club (1784)	3	Į.	1			1	1	1		1		1	1				1		
Railroad at Canal NW	2	1	1		1		_		_			1	1						
Railroad at Canal SE	2	1	1		1		1		_			1	1						
Railroad at Creston	3	1	1			1	1	_		1		_	1				1		
Railroad at Donovan NB	3		-			1	1	_		1		_	_				_		
Railroad at Donovan SB	3		-			_	\vdash	_		-		_	_				_		-
Railroad at El Camino	3	1	_			-	_	_		1		_	1				_		
Railroad at Fesler	3		-			_	_	_		1		-	-				1		_
Railroad at Grant	3		-	H		_	\Box	_		_	H	_	_		Н		_		Н
Railroad at Hidden Pines	2		_		-		-		_			_	_						
Railroad at W Rancho Buena Vista (3796)	2	_	_		_		_		_			-	_						+
Railroad at Taylor	3		-	\dashv		-		7	_	-	_	-	_	+	\dashv	\Box	-	+	+
Railroad at E Taylor	2	1	-		_		`_		_			_	_						
Railroad at Vista Montana	2		_	┪	-	\dashv		_	_		_	—	_	┪	\dashv			+	\dashv
Rice Ranch at Bradley (Pole #42132)	_	_	-				`_					-	_						\dashv
Rice Ranch Rd at Graciosa	1		_	_								_	_	_					
Rice Ranch Rd at Princeton SB	_		-				\exists	\exists	4			_	_		_				\dashv
Santa Maria Airport	3		_			-	_	_		_		-	_				_		\dashv
Santa Maria Way at Bradley	_		-									_	_						
Santa Maria Way at Broadway	3		-			_	_	_	_	-		_	_				~		\dashv
Santa Maria Way at Del Cielo MHP NB	2		-	-	-	\dashv		_	_	\Box		_	_	_					\dashv
Santa Maria Way at Hillview	2		-		-				_			_	_		Н				Н
Santa Maria Way at Holly Oak SB (Del Cielo MHP)	2		-	,	_		-		_			_	_	_	_				\dashv
Santa Maria WY at Holly Oak Ln (HWY Drive In)	2	1	_		1		_		_			_	1						
Santa Maria Way at Miller	2		-	П		H	${\mathbb H}$	Н	-		H	-	-	H	Н			H	Н

Scate Marie May of Charico (V. Mart)	c	ľ	4	-	-	-	-		,	f	ŀ	ľ	*	,	ſ		t	ŀ	ŀ	ŀ	Ļ	г
Salita Malia Way at Sullise (N-Mali)	7 0	,	-	+				,	-	_	+	Ī	-	-	\int		Ť	+	+	+	4	_
South of the #5000)	o (-	- ,		ľ	- -		- ,		-	+		-	-	\int			+	-	+	4	_
South Side Prwy at Volkswagon	၇ (1	-			_		-	,	_	+		- ,	-	\int			1	+	+	4	_
Stilwell at Cameo NB	2	1	_	` 	\exists	\dashv			-	1	+	7	-	-	J		1	\dagger	\dashv	\dashv	4	_
Stillwell at Tiffany Park Court NB	1		_	_		_	_						_	-					_			_
Stowell at Cecelia (Marian Urgent Care)	4		_			-		_		_			-	-					1	1	_	
Stowell at Depot (pole#6114)	4	_	_			<u>-</u>		_		_			_	_					_	_	_	
Stowell at Western	4		_		Ė	_		-		_			_	_					L	_	_	_
Suey at Alvin	2		_		_				_		_		_	-								_
Suey @ W Alvin	2	_	_	_			_		_				_	-								
Suey at Fesler	က	T	_		Ė	-	L	-		-	H	Γ	-	-	Ĺ	Γ	T	H	F	H	L	_
Suey @ Jonathan	4	_	_			-		7		_			_	-					_	_	_	
Suey @ Main(4782)	4	-	-			╀		-		-	-		-	_				ľ	_	_	7	
Suey @ Merrill Garden Main Entrance	2	-	-	<u></u>		L	-		-	T	H	T	-	_			T	t	H	H	L	
Suey Rd. Crossing @ Seapark Dr. #4943	2	-	_				_		_				-	-				H	H	H	L	
Tanglewood at Black Rd	-	l	_				_						-	-	_				H		L	_
Tanglewood Market	_	T	_		\vdash	\vdash	-			H		T	_	-	Ĺ		T	H	\vdash	┞	┞	_
Tanglewood at 3390 Willowood	1	_	_				_						_	-								
Taylor at Casa Grande MHP	2		_		_				-		_		_	_							_	_
Taylor at Lincoln	က	T	_		Ė	-		-		_	_	Ī	-	-			T	ŀ	L	┝	L	
Thornburg at Battles	4		_		Ĺ	-		-		-			_	-					_	_	_	_
Thornburg at Betteravia NB (N of Betteravia)	3		_		Ė	-		~		_	_		_	_	-				_			_
Thornburg at Betteravia SB (Betteravia)	က		-		<u> </u>	1		-		-	_		-	-					_		L	_
Thornburg at Carmen NB	4	l	-		Ė	-	L	-		-	_		-	-				ŀ	_	_	_	_
Thornburg at Carmen SB	4		_		Ĺ	-		-		-			_	-					_	_	_	_
Thornburg at Newlove	4		_		ľ	1		-		-			-	1		_			L	_	_	_
Town Center Mall Transit Cntr	4	T	_		Ė	-	\perp	-		_		T	-	-	Ĺ			ŀ	L	\vdash	_	_
Western at Stowell	3		_		Ė	_		-		-			-	-			_		Ļ	-	-	_
Totals:		81	#	19 🖍	#4 69	# #	£24	#	- 69	#	0	0	#	245	F13	2	3	1 **	#	0 -83	3 / 87	
x = replaced by "NEW" categories		Ū	all new signs	all new benches for type 2		all new shelters or type 3 & 4	light for all stops	light for all shelters	all new trash for types 2, 3 & 4				all stops should have rack	all new inserts				all new posters for types 3 & 4	depends on how many shelters using advertising all new posters for types 3 & 4	2 that won't be used on old stops due to diff class	all new bike racks for type 4	•

	æ	REFURBISH	SISH															
New bus stops	•																	
Bus Stop:	New Classification	Pole	ngi2 TAM2 bs9 gnibnsJ	Велс	Shelter	Light	Trash	Schedule Rack	Insert Sidewalk	Crosswalk	Red Curb	No Park Signs	Landscaping	Schedule Poster	Advertisement	ходѕмар	Віке Каск	Bus Stop Removal
Broadway at Stinky's	2	-	_		-							_					-	
"A" Street (Pole #6529;Carpenter's Union Training Ctr)	2																	
2240 "A" Street at Betteravia	2	H															H	
A Street at McCoy (Vocational Training Cntr)	-	H	H	-	-		-	-		L		L			-		H	
Airport Mobile Home Park	2	_	L	-	-						_							
Alt. Town Center Mall	4	\vdash	_	_			_											
Autopark at Mercury (Casino Bus Center)	2			1									1					
Betteravia at Blosser	3																	
Betteravia at Skyway (McD's)	3																	
Betteravia at Target	4			_	-		-								_			
Betteravia at Thornburg	3												١					
Betteravia at Westgate	3	_	L	1														
Betteravia East of Broadway	4	È	L	1	1		1								1			
Blosser at Clark	1																	
Blosser at Foxenwood SB	1																	
Blosser at Rick	2																	
Blosser at Solomon	1	_																
Boone at College	4																	
Boone at East	4																	
Bradley at Allan Hancock NB	3			-													Н	
Bradley at Allan Hancock SB	4				-								-		_			
Bradley at Crossroads Shopping Cntr	3		_	_	_		_	-		-					_		_	
Bradley at Francine	2	-	_	_			_	-	-	4								
Bradley at Parkland (St. Joe HS)	3	_		1														
Bradley at Patterson	3			1			1											
Bradley at Stowell NB (In-N-Out)	4			_	_										1			
Bradley at Stowell SB	3		1	1					_				1					
Bradley at Taco Bell	3			1	-		1								_			
Bradley at Village NB	2	_		_			_											
Broadway at Alvin	3			_	_		_								1			
Broadway at Battles	4	_		1	-													
Broadway at Betteravia (CVS)	4	_		_	-		_											
Broadway at Carmen	4			\vdash			_			\dashv								

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Broadway at Carmen NB Ln	4																
Broadway at Colegio (SMHS)	4	_	_	_	-		_		+	+	4			1			
Broadway at Dal Porto NW	4																
Broadway at Enos NB	4	_		_	-		_		_								
Broadway at Enos SB	4			_	-		_		_								
Broadway at Fesler	4			~	_		_							1			
Broadway at Grant	က				-		_		\vdash							\vdash	
Broadway at Hermosa (Walgreens)	က		_			-				1	_		-				
Broadway at Jones NB	4	1		1													
Broadway at Jones SB (RR Tracks)	3 1			_					\vdash	_						\vdash	
Broadway at McCoy (Kohl's)	3																
Broadway at McElhany	3	1		1	1		1										
Broadway at Mill	4		L	_	-		_		H		L		_	1			
Broadway at Morrison (SMHS)	4	_		_									-				
Broadway at Newlove NB	4			_													
Broadway at Newlove SB	4	_		_	-		\vdash		H					1		Г	
Broadway at Orchard NB	က			_	_		_										
Broadway at Orchard SB	3		~	~	_												
Broadway at Sunset	က			_			_		\vdash							\vdash	
Broadway at Taylor(Vallarta Center)	က																
Broadway at Tunnel	3			1			1										
Broadway at Williams NB (Donovan)	2				1		_		\vdash							\vdash	
Broadway at Williams SB (N of Donovan)	2			1	1		1										
Church at Palisade (Marian Hospital)	4			1	1									1	1		
Church at N Palisades	4																
Clark at Broadway	က	-	4				_		\dashv	+	4	_				1	
Clark at Dyer	က	_	_	_			\dashv		\dashv	-						1	
Clark at HW135	2																
Clark at Michael	2	_	4				\dashv	-	\dashv	-	4	_	-				
Clark at Oak Knoll Center EB (S of st.)	2	_		_	_		_	_	\dashv	_	-	\Box					
Clark at Oakridge Park	2										_						
Clark at Stillwell	_	_	4	_			\dashv		\dashv	\dashv	4	4	-			\dashv	
College at E Boone AHC Entrance #6	4	4															
College at Bunny (Pole #2320)	2																
College at Chapel	3	<u>-</u>	4	-		1	$\frac{1}{1}$	4	\dashv	4	4	_				1	
College at E Chapel	က	4															
College at E del Norte (Community Park)	4																
College at El Camino	က																
College at Fesler	3																
College at Hermosa(Lighting Across street)	3																
College at Mariposa NB	4	1		1													
College at Park NB (Hancock College)	4	1		1	1		1	1						1			
College at Park SB (Hancock College)	4		_	_	1		_	_									
College at Tunnell	3																
College at W Vickie	2																
College at E Vickie (4246)	2																

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Cook at Lincoln	4															
Cook at Western WB	4		_	1	1		1	1				_	_			
County Government Center	3			_	_									1		
Cypress at Depot (Greyhound)	4	1		1			1	1								
Cypress at Nicholson	4															
Cypress at N Nicholson(IHOP)	4															
Depot at Mill	4			1			1									
Depot at E Mill	4															
Donovan at Bay	2		_								1					
Donovan at Canyon	3			1												
Donovan at Charlie (4345)	2															
Donovan at College	3		_	L			Г	H				Г	Г		Г	
Donovan at Magellan (2551)	2															
Donovan @ Merrill Garden Access #4932 pole	2															
Donovan at La Salle (Pepperwood)	2	1						←					_			
Donovan at River Rock Rd (2238)	2															
Enos at Minami Center NB	3		L	_			_	\vdash				l			Г	
Enos at Minami Center SB	က			1												
Enos at Thornburg NB	4			1												
Enos at Thornburg SB	4		_													
Fairway at Aviation (Coca-cola)	3															
Fairway at Skyway	3						1	1								
Foster at Bradley (Righetti HS)	4		_	1	_		-	_								
Foster at California SB	Γ						-		1	1						
Foster at Hillview	4															
Foster at Hummel SB	2	Ĺ						\vdash	_			l			Г	
Foster at Lockford	2															
Foster at Orcutt Frontage (The Jetty)	2	1		1					1							
Foster W of Broadway (across Mental Health)	1	1 1	1	1					-							
Hidden Pines at Boxwood S side	3															
Hidden Pines at Boxwood N side (Pole# 4014)	3															
Hidden Pines at Preisker Lane (Pole #4005)	3															
Hidden Pines at Transit Circle	2															
Hillview at Cambria NB	3		1				1									
Hillview at Stratford NB	4		1													
3037 Industrial (Service Entrance)	3															
3138 Industrial Pkwy (SoCalGasCo)	3															
Industrial at Construction Entrance Lot #9(1828)	3															
Industrial at RR Tracks	3											Г			Г	
Industrial at E RXR (Pole #1568)	3															
Industrial at Skyway	3			1				1								
Jones at Bradley (Allan Hancock)	4			1			1									
Jones at College	4						1									
Lakeview (Across 242 Lakeview)	2															
Lakeview at Bedford	2	`		1			1									
Lakeview at Hillview	2	\dashv	\dashv	\dashv	\Box			\dashv				\dashv	\dashv			

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Lakeview at Orcutt Frontage	7	_		1															١
Lakeview Rd. at Lakeview Ct.	7	_	_																
Main at Bradley (Freeway)	3			1	1			_					_				_		
Main @ N Bradley	4																		
Main @ School (in front of Rabobank)	4	F	L	L	L		ŀ	ŀ		T	H		ŀ	L	H	H	L		
Main at College	က	H	L	L	~	-	-	H		r	H	H	H	L	Ì	_	L	L	
Main at Curryer SW	က																		
Main at N Lincoln	4		L										H						
Main at S Lincoln	4												-						
Main @ School (South West, Pole # 2008)	4		L				H	H		T		\vdash	\vdash			_			
Main at Smith	က																		
Main at Vine (Sign Craft)	4																		
Main West of Suey	4	_	L	L				H		Г		\vdash	\vdash	_		L			
McCoy at Broadway (S side st.)	3	1		_	_		1												
McCoy at Broadway (Albertson's) (N side st.)	3			_	_		_												
McCoy at Caballero SE Midblock	4		L										H			H			
McCoy at Depot	က		L	L								\vdash	\vdash				L		l
McCoy at Eastbury	က																		
McCoy at Miller	4																		
McCoy at Sandpiper SE	က												\vdash						
McCoy at Skyway	က		_	_															
McCoy at Thompson	3																		
McCoy W of Broadway	3	1	L	_	-		1						\vdash		,	1			
McCoy W of Thompson	2													1					
2040 McCoy at Westgate	1																		
Miller at Arboles (Arborwalk gate)	4																		
Miller at Battles	3		_							1									
Miller at Betteravia (Occupational Medical Group)	4																		
Miller at Cook SE	4																		
Miller at Cook SW	4																		
Miller at E Daniel	4																		
Miller at W Daniel(Betteravia)	4																		
Miller at Enos NB	4	_		_				_				-	_			_	_		
Miller at Enos SB	4	_		_												_			
Miller at Inger NB	4							Н								-	_		
Miller at Inger SB	4			1															
Miller @ Main	4																		
Miller at Morrison (1974)	4																		
Miller at Newlove	4	_		1															
Miller at Stowell	4			1	1											1			
Morrison at Depot	4	_	L	_			_						_						
Morrison at Railroad	4			1															
Morrison at Thornburg	4		Ц	_								Н	Н						
Morrison at Thornburg (SMHS)	4	_		1	1		1	1	1	1			Н						
Morrison at Western NB	4		_					7		-			-						
Morrison at Western SB	4							1											
																			l

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Oak Knoll Kd at Kenneth NB	7	_	_				-	_		_	-		\downarrow	4	_		
Oak Knoll Rd at Hilbury	2		4										_	_			
Orcutt Frontage at Clark SB	2	_		_			_				_						
Orcutt Rd at N of Clark Ave (Breeze stop)	2									_							
Orcutt Frontage at Evergreen Shop Cntr	2	1		1													
Orcutt Frontage at Valley View	2																
Orcutt Frontage at Winter Rd NB	က	_			_		_						L	L			
Orcutt Frontage at Winter Rd SB	က						-										
Orcutt Rd at Winter Rd SE	2																
Panther Dr at Centennial (4600)	3																
Panther at Domingues (PVHS)	2																
Park at Elizabeth (Mussel Sr center)	4			1													
Park at Oakwood (Mussell Senior Cntr)	4	_		-			1	1			H		Ц	Ш			
Pine at Cook SB	4			-				1									
Pine at Jones NB	4	1		-													
Pine at Jones SB	4		-								L		1				
Pine at Morrison (BV Park)	4			-	-			1									
Preisker at Boomers	က																
Preisker Ln across Boomers	3									_							
Preisker at Johnson (Pole#4519)	က																
Railroad at Alvin (Boys/Girls Club)	3	1		1			_							_			
Railroad at Boys & Girls Club (1784)	က																
Railroad at Canal NW	2																
Railroad at Canal SE	2																
Railroad at Creston	3																
Railroad at Donovan NB	3			1			1										
Railroad at Donovan SB	3	_			_		1	1	П				Ц				
Railroad at El Camino	3																
Railroad at Fesler	3		_	-			1						Ц				
Railroad at Grant	3	_		_			1	_		_			Ш				
Railroad at Hidden Pines	2	_	_	_			_					-					
Railroad at W Rancho Buena Vista (3796)	2																
Railroad at Taylor	က	\dashv	\dashv			\dashv	_	_	\forall	\dashv	\dashv	\dashv	4	4	4	\downarrow	
Railroad at E Taylor	2	_															
Railroad at Vista Montana	2	_	4					-	\dashv	+		-	4	\dashv	\downarrow		
Rice Ranch at Bradley (Pole #42132)	-																
Rice Ranch Rd at Graciosa	1	_	4	-			_					_					
Rice Ranch Rd at Princeton SB	1							_						_			
Santa Maria Airport	3			-	1		_							1			
Santa Maria Way at Bradley	1			-			1										
Santa Maria Way at Broadway	3			-													
Santa Maria Way at Del Cielo MHP NB	2									1							
Santa Maria Way at Hillview	2	Н	Н				Н		Н	Н	Н	Н	Ц	Ц		Ц	
Santa Maria Way at Holly Oak SB (Del Cielo MHP)	2	_					_			_	_	_					
Santa Maria WY at Holly Oak Ln (HWY Drive In)	2																
Santa Maria Way at Miller	2	\dashv	\dashv	\square		\exists	\dashv	\dashv	\exists	\dashv	\dashv	\dashv	\dashv	\dashv	\dashv	\Box	

Santa Maria Way at Sunrise (K-Mart)	2		_	F	L		_			L	L					H	L	L	L	
2336 Skyway (Pole #3086)	က																			
Southside Pkwy at Volkswagon	က																			
Stillwell at Cameo NB	2	_	_	L	L	L	L			L		L	L	L		L	L	L	L	
Stillwell at Tiffany Park Court NB	_				_	_														
Stowell at Cecelia (Marian Urgent Care)	4		_		_		L	-		L						\vdash	L			
Stowell at Depot (pole#6114)	4																			
Stowell at Western	4		_				_			_										
Suey at Alvin	2		H		L	L	L			L	L					L				
Suey @ W Alvin	2																			
Suey at Fesler	3									_							1			
Suey @ Jonathan	4		_	_	_											_				
Suey @ Main(4782)	4																			
Suey @ Merrill Garden Main Entrance	2																			
Suey Rd. Crossing @ Seapark Dr. #4943	2																			
Tanglewood at Black Rd	1		_	_	_											_				
Tanglewood Market	1				1		١	1												
Tanglewood at 3390 Willowood	1																			
Taylor at Casa Grande MHP	2		H		L															
Taylor at Lincoln	3		-																	
Thornburg at Battles	4	1	_				_													
Thornburg at Betteravia NB (N of Betteravia)	င		1							_										
Thornburg at Betteravia SB (Betteravia)	က		\vdash																	
Thornburg at Carmen NB	4		_				١													
Thornburg at Carmen SB	4		1				1													
Thornburg at Newlove	4	-	F					7												
Town Center Mall Transit Cntr	4				1		1	1								1				
Western at Stowell	က	1	_		_					_						_				
Totals:	4	15	22	17 🗗 10	105 7 47	7 7	9 🚣	72	<u>.</u>	2 🗗 18	3 🗗 1	1 4	1 4	F 13	.	0 🖡 2	20 🗾	2 🔽 (. 0	99
x = replaced by "NEW" categories		×		×	×		×	×	×						×	×		×		

Appendix L

	Tolai	^r Manufacti	uring	
		Individual	Total	
Item	Options	Cost	Needed	Total Cost
Bench	4' perf metal bench, no	\$325 each	59	\$19,175
	back, 1 anti-vagrant bar			
	8' perf metal bench, no	\$575 each	59	\$33,925
	back, 3 anti-vagrant			
	bars			
Shelter	8' shelter	\$6,075	170	\$1,032,750
	13' shelter	\$6,950	170	\$1,181,500
	17' shelter	\$7,355	170	\$1,250,350
	ability to extend roof	add \$650	170	\$110,500
	depth from 4'8" to 5'8"	per shelter		
Trash/	in shelter trash can	add \$250	170	\$42,500
Recycling	package	per shelter		
Schedule	Post Mount Schedule	add \$94.50	245	\$23,152.50
Holder	holder	(min 12)		
Lighting**	stand alone Omnilight	\$975 each	57	\$55,575
	and 10' schedule 40	(min 120)*		
	pole			
	110 V illumination in	\$225 each	87	\$19,575
	shelter kiosks			
TOTAL:				\$3,749,428
CycleSafe	The Breton: Surface	\$310	87	\$26,970
Bike Rack	mount			

^{*}geographic area may require an add-on for an 80 watt panel (to the solar lighting on the shelter)

^{**}solar lighting price depends on the geographic region

	L	andscape Fo	rms	
		Individual	Total	
Item	Options	Cost	Needed	Total Cost
Bench	Plexus backless with	\$1,600 per	59	\$94,400
	armrests	bench		
	Plexus with back (3	\$1,870	59	\$110,330
	seat, 4 arms)	\$1,605.94		
Shelter				
		-		
Trash/	Plexus 28" top	\$810	59	\$47,790
Recycling	opening, 30 gal.	\$689.51		, , , , , , , , , , , , , , , , , , ,
	Plexus 16" top	\$670 per	59	\$39,530
	opening, 15 gal.	trash can		
Schedule			•	
Holder		-		
Lighting				
		-		
TOTAL:				\$292,050
	discount: 6%			\$274,527.00
	ODAND TOTAL			4 050 004 50
	GRAND TOTAL:		\$	4,050,924.50
CMAS/GSA	Pricing			