



## Chapter 5: Capital Plan

Marin Transit's Capital Improvement Plan (Figure 5.1) has expanded as Marin Transit has taken increasing responsibility for transit service in Marin County. Marin Transit owns vehicles used on the Community Shuttle routes, the West Marin Stagecoach and the Paratransit service. Marin Transit is responsible for paying the local match on Golden Gate Transit buses used exclusively for local service and contributes almost a half a million dollars annually to Golden Gate's capital program. To ensure accessible taxis are always available to Marin residents, Marin Transit also owns four accessible taxis that are leased to a cooperative of independent taxi operators.

Marin Transit is also working on capital projects to increase bus stop signage and amenities, provide more passenger information at key stops, and implement new technologies to streamline data processing and provide real time information.

### Vehicle Inventory

Marin Transit owns 49 vehicles, which include:

- 2 Community Shuttles (Figure 5.2);
- 4 Stagecoach Vehicles (Figure 5.3);
- 39 Paratransit Vehicles (Figure 5.4); and
- 4 Accessible Taxis (Figure 5.5).

In FY 2007/2008, Marin Transit paid the local match on the 10 articulated vehicles operated by Golden Gate Transit. Marin Transit plans to pay the local match on seven hybrid 35-ft transit vehicles in FY 2008/2009 that will also be held and operated by Golden Gate Transit.

To operate the local service, Marin Transit relies on many contractor-supplied vehicles. These vehicles include:

- 2 Community Shuttles owned by Marin Airporter (Figure 5.6);
- 3 Stage Vehicles owned by MV Transportation (Figure 5.7);
- 47 vehicles owned by Golden Gate Transit (Figure 5.8); and
- 31 Paratransit Vehicles (Figure 5.9).

# Figure 5-1 Capital Funding Plan

| Project Costs                         | FY 08-09           | FY 09-10           | FY 10-11           | FY 11-12           | FY 12-13           | FY 13-14             | FY 14-15           | FY 15-16           | FY 16-17           | FY 17-18           | TOTAL               |
|---------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| Local GGT Vehicle Replacement Match   | \$0                | \$891,311          | \$0                | \$0                | \$0                | \$1,481,297          | \$411,055          | \$0                | \$1,040,563        | \$0                | \$3,824,226         |
| Shuttle Vehicle Replacement           | \$152,000          | \$230,000          | \$0                | \$0                | \$0                | \$0                  | \$181,496          | \$0                | \$291,357          | \$0                | \$854,853           |
| Stage Vehicle Replacement             | \$0                | \$389,631          | \$0                | \$0                | \$0                | \$0                  | \$419,112          | \$0                | \$493,573          | \$0                | \$1,302,316         |
| Paratransit Vehicle Replacement       | \$968,000          | \$623,150          | \$128,369          | \$462,770          | \$340,466          | \$701,361            | \$650,161          | \$297,629          | \$766,396          | \$789,388          | \$5,727,691         |
| Lease of Shuttles for Muir Woods      | \$26,308           | \$72,260           | \$74,427           | \$45,996           | \$47,376           | \$48,797             | \$50,261           | \$51,769           | \$53,322           | \$54,922           | \$525,439           |
| Vehicle Expansion                     | \$143,370          | \$0                | \$764,909          | \$132,220          | \$0                | \$0                  | \$0                | \$0                | \$0                | \$0                | \$1,040,499         |
| Technology Projects                   | \$0                | \$500,000          | \$0                | \$65,564           | \$67,531           | \$69,556             | \$71,643           | \$73,792           | \$76,006           | \$78,286           | \$1,002,379         |
| Capital Contribution to Golden Gate   | \$431,732          | \$431,732          | \$431,732          | \$453,319          | \$475,985          | \$499,784            | \$524,773          | \$551,012          | \$578,562          | \$607,490          | \$4,986,120         |
| Mobile Data Terminals for Paratransit | \$0                | \$457,000          | \$74,000           | \$74,000           | \$74,000           | \$74,000             | \$74,000           | \$74,000           | \$74,000           | \$74,000           | \$1,049,000         |
| Bus Stop Improvements & Signage       | \$0                | \$150,000          | \$200,000          | \$100,000          | \$100,000          | \$100,000            | \$100,000          | \$100,000          | \$100,000          | \$100,000          | \$1,050,000         |
| Bus Stop Maintenance                  | \$0                | \$100,000          | \$100,000          | \$100,000          | \$100,000          | \$100,000            | \$100,000          | \$100,000          | \$100,000          | \$100,000          | \$900,000           |
| Fareboxes                             | \$39,000           | \$30,000           | \$30,000           | \$30,000           | \$30,000           | \$30,000             | \$30,000           | \$30,000           | \$30,000           | \$30,000           | \$309,000           |
| South Novato Bus Stop Improvements    | \$0                | \$350,000          | \$100,000          | \$2,869,000        | \$0                | \$0                  | \$0                | \$0                | \$0                | \$0                | \$3,319,000         |
| Marin City Transit Hub                | \$0                | \$32,125           | \$0                | \$0                | \$0                | \$0                  | \$0                | \$0                | \$0                | \$0                | \$32,125            |
| Marin Emergency Radio Authority       | \$25,066           | \$25,098           | \$25,095           | \$25,057           | \$25,061           | \$25,070             | \$25,097           | \$25,079           | \$25,076           | \$25,076           | \$250,775           |
| Infrastructure Support                | \$10,000           | \$10,000           | \$10,000           | \$10,000           | \$10,000           | \$10,000             | \$10,000           | \$10,000           | \$10,000           | \$10,000           | \$100,000           |
| <b>TOTAL</b>                          | <b>\$1,795,476</b> | <b>\$4,292,307</b> | <b>\$1,938,532</b> | <b>\$4,367,925</b> | <b>\$1,270,419</b> | <b>\$3,139,866</b>   | <b>\$2,647,599</b> | <b>\$1,313,282</b> | <b>\$3,638,855</b> | <b>\$1,869,162</b> | <b>\$26,273,422</b> |
| Funding Plan                          | FY 08-09           | FY 09-10           | FY 10-11           | FY 11-12           | FY 12-13           | FY 13-14             | FY 14-15           | FY 15-16           | FY 16-17           | FY 17-18           | TOTAL               |
| <b>LOCAL</b>                          |                    |                    |                    |                    |                    |                      |                    |                    |                    |                    |                     |
| Golden Gate Transit                   | \$56,628           | \$133,454          | \$32,875           | \$52,663           | \$37,773           | \$58,885             | \$55,890           | \$35,267           | \$62,690           | \$64,035           | \$590,160           |
| Measure A                             | \$1,176,131        | \$1,452,798        | \$1,433,507        | \$1,473,113        | \$1,237,239        | \$1,279,257          | \$1,322,535        | \$1,367,111        | \$1,413,024        | \$1,460,315        | \$13,615,030        |
| Other Local                           | \$25,935           | \$14,507           | \$5,977            | \$13,851           | \$7,926            | \$16,328             | \$15,136           | \$6,929            | \$17,842           | \$18,377           | \$142,807           |
| <i>Subtotal Local</i>                 | <i>\$1,258,694</i> | <i>\$1,600,759</i> | <i>\$1,472,359</i> | <i>\$1,539,627</i> | <i>\$1,282,938</i> | <i>\$1,354,470</i>   | <i>\$1,393,561</i> | <i>\$1,409,307</i> | <i>\$1,493,556</i> | <i>\$1,542,727</i> | <i>\$14,347,997</i> |
| <b>STATE</b>                          |                    |                    |                    |                    |                    |                      |                    |                    |                    |                    |                     |
| STIP                                  | \$0                | \$350,000          | \$100,000          | \$2,869,000        | \$0                | \$0                  | \$0                | \$0                | \$0                | \$0                | \$3,319,000         |
| Other State                           | \$152,000          | \$0                | \$636,540          | \$0                | \$0                | \$0                  | \$0                | \$0                | \$0                | \$0                | \$788,540           |
| Ibond Funds (population)              | \$0                | \$871,020          | \$0                | \$0                | \$0                | \$0                  | \$0                | \$0                | \$0                | \$0                | \$871,020           |
| Ibond Funds (Revenue)                 | \$0                | \$0                | \$0                | \$0                | \$0                | \$0                  | \$0                | \$0                | \$0                | \$0                | \$0                 |
| <i>Subtotal State</i>                 | <i>\$152,000</i>   | <i>\$1,221,020</i> | <i>\$736,540</i>   | <i>\$2,869,000</i> | <i>\$0</i>         | <i>\$0</i>           | <i>\$0</i>         | <i>\$0</i>         | <i>\$0</i>         | <i>\$0</i>         | <i>\$4,978,560</i>  |
| <b>FEDERAL</b>                        |                    |                    |                    |                    |                    |                      |                    |                    |                    |                    |                     |
| Section 5307                          | \$774,400          | \$498,520          | \$102,695          | \$370,216          | \$108,949          | \$561,089            | \$520,129          | \$238,104          | \$245,247          | \$631,510          | \$4,050,859         |
| Section 5310                          | \$0                | \$0                | \$102,695          | \$105,776          | \$163,424          | \$0                  | \$0                | \$0                | \$367,870          | \$0                | \$739,765           |
| Section 5311                          | \$0                | \$389,631          | \$0                | \$0                | \$0                | \$0                  | \$371,040          | \$0                | \$436,960          | \$0                | \$1,197,631         |
| ARRA                                  | \$0                | \$860,000          | \$0                | \$0                | \$0                | \$0                  | \$0                | \$0                | \$436,960          | \$0                | \$1,296,960         |
| <i>Subtotal Federal</i>               | <i>\$774,400</i>   | <i>\$1,748,151</i> | <i>\$205,390</i>   | <i>\$475,992</i>   | <i>\$272,373</i>   | <i>\$561,089</i>     | <i>\$891,169</i>   | <i>\$238,104</i>   | <i>\$1,487,037</i> | <i>\$631,510</i>   | <i>\$7,285,215</i>  |
| <b>TOTAL</b>                          | <b>\$2,185,094</b> | <b>\$4,569,930</b> | <b>\$2,414,289</b> | <b>\$4,884,619</b> | <b>\$1,555,311</b> | <b>\$1,915,559</b>   | <b>\$2,284,730</b> | <b>\$1,647,410</b> | <b>\$2,980,592</b> | <b>\$2,174,237</b> | <b>\$26,611,772</b> |
| <b>Annual Surplus (Shortfall)</b>     | <b>\$389,618</b>   | <b>\$277,623</b>   | <b>\$475,757</b>   | <b>\$516,694</b>   | <b>\$284,892</b>   | <b>(\$1,224,307)</b> | <b>(\$362,868)</b> | <b>\$334,129</b>   | <b>(\$658,263)</b> | <b>\$305,075</b>   | <b>\$338,350</b>    |

**Figure 5-2 Marin Transit Owned Community Shuttle Vehicles**

|   | Model         | Year | VIN Number        | Length of Vehicle | Seating Capacity | Wheelchair Capacity | Vehicle Type | Service Type | Mode of Power | Major Work Completed? | Service Life Added | Retire from Service |
|---|---------------|------|-------------------|-------------------|------------------|---------------------|--------------|--------------|---------------|-----------------------|--------------------|---------------------|
| 1 | Ford Aerotech | 2008 | 1FD4E45S58DB59391 | 24'               | 20               | 2                   | Cutaway Van  | Fixed Route  | Gasoline      | No                    | 0                  | 2013                |
| 2 | Ford Aerotech | 2008 | 1FD4E45S78DB59392 | 24'               | 20               | 2                   | Cutaway Van  | Fixed Route  | Gasoline      | No                    | 0                  | 2013                |

**Figure 5-3 Marin Transit Owned Stagecoach Vehicles**

|   | Model                | Year | VIN Number        | Length of Vehicle | Seating Capacity | Wheelchair Capacity | Vehicle Type | Service Type                   | Mode of Power | Major Work Completed? | Service Life Added | Retired from Service |
|---|----------------------|------|-------------------|-------------------|------------------|---------------------|--------------|--------------------------------|---------------|-----------------------|--------------------|----------------------|
| 1 | Chevy Supreme CK3500 | 2002 | 1GBJG31G421162731 | 22'               | 13 or 7+2 WC     | 2                   | Cutaway Van  | Fixed-Route/ Flag Stop Service | Unleaded      | No                    | 0                  | 2007                 |
| 2 | Chevy Aero Elite 290 | 2008 | 1GBG5V1G58F407611 | 29'               | 26 or 20 + 2 WC  | 2                   | Cutaway Van  | Fixed-Route/ Flag Stop Service | Unleaded      | No                    | 0                  | 2015                 |
| 3 | Chevy Aero           | 2008 | 1GBG5V1G68F407228 | 29'               | 26 or 20 + 2 WC  | 2                   | Cutaway Van  | Fixed-Route/ Flag Stop Service | Unleaded      | No                    | 0                  | 2015                 |
| 4 | GMC Aero Elite 320   | 2008 | 1GBG5V1GX8F407216 | 32'               | 28+2 WC          | 2                   | Cutaway Van  | Fixed-Route/ Flag Stop Service | Unleaded      | No                    | 0                  | 2015                 |

**Figure 5-4 Marin Transit Owned Accessible Taxis**

|   | Model               | Year | VIN Number        | Length of Vehicle | Seating Capacity | Wheelchair Capacity | Vehicle Type | Service Type | Mode of Power | Major Work Completed? | Service Life Added | Retired from Service |
|---|---------------------|------|-------------------|-------------------|------------------|---------------------|--------------|--------------|---------------|-----------------------|--------------------|----------------------|
| 1 | Dodge Grand Caravan | 2008 | 1D8HN44H08B157198 | 16.9'             | 3 +1 WC          | 1                   | Mini-van     | Taxi Service | Gasoline      | No                    | No                 | 2011                 |
| 2 | Dodge Grand Caravan | 2008 | 1D8HN44H28B157199 | 16.9'             | 3+1 WC           | 1                   | Mini-van     | Taxi Service | Gasoline      | No                    | No                 | 2011                 |
| 3 | Dodge Grand Caravan | 2008 | 2D8HN44H78R778925 | 16.9'             | 3+1 WC           | 1                   | Mini-van     | Taxi Service | Gasoline      | No                    | No                 | 2011                 |
| 4 | Dodge Grand Caravan | 2008 | 2D8HN44H68R778947 | 16.9'             | 3+1 WC           | 1                   | Mini-van     | Taxi Service | Gasoline      | No                    | No                 | 2011                 |

**Figure 5-5 Marin Transit Owned Paratransit Vehicles**

| Unit # | Model            | Year        | VIN Number | Length of Vehicle | Seating Capacity | Wheel-chair Capacity | Vehicle Type | Service Type | Mode of Power | Major Work? | Service Life Added | Retire from Service |      |
|--------|------------------|-------------|------------|-------------------|------------------|----------------------|--------------|--------------|---------------|-------------|--------------------|---------------------|------|
| 1      | 60               | Ford E450   | 2005       | 1FDXE45S05HB19365 | 22'              | 12/1, 8/2, 6/3,      | 3            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2010 |
| 2      | 61               | Ford E450   | 2005       | 1FDXE45S05HA93799 | 22'              | 12/1, 8/2, 6/3,      | 3            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2010 |
| 3      | 62               | Ford E450   | 2005       | 1FDXE45S55HA93801 | 22'              | 12/1, 8/2, 6/3,      | 3            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2010 |
| 4      | 63               | Ford E450   | 2005       | 1FDXE45S95HA93798 | 22'              | 12/1, 8/2, 6/3,      | 3            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2010 |
| 5      | 64               | Ford E450   | 2005       | 1FDXE45S25HB19366 | 22'              | 12/1, 8/2, 6/3,      | 3            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2010 |
| 6      | 65               | Ford E450   | 2005       | 1FDXE45S45HB19367 | 22'              | 12/1, 8/2, 6/3,      | 3            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2010 |
| 7      | 66               | Ford E450   | 2005       | 1FDXE45S75HA93802 | 22'              | 12/1, 8/2, 6/3,      | 3            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2010 |
| 8      | 67               | Ford E450   | 2005       | 1FDXE45S35HA93800 | 22'              | 12/1, 8/2, 6/3,      | 3            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2012 |
| 9      | 68               | Ford E350   | 2005       | 1FTSS34L16HA44978 | 22'              | 8/1, 4/2             | 2            | Mod. Van     | Paratransit   | Gas         | No                 | No                  | 2012 |
| 10     | 69               | Ford E350   | 2005       | 1FTSS34L36HA44979 | 22'              | 8/1, 4/2             | 2            | Mod. Van     | Paratransit   | Gas         | No                 | No                  | 2012 |
| 11     | 154              | ChevyCK3500 | 2002       | 1GBJG31G421164141 | 22'              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas         | No                 | 3                   | 2010 |
| 12     | 155 <sup>1</sup> | ChevyCK3500 | 2002       | 1GBJG31G021167845 | 22'              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas         | No                 | 2                   | 2009 |
| 13     | 156 <sup>1</sup> | ChevyCK3500 | 2002       | 1GBJG31G021164167 | 22'              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas         | No                 | 2                   | 2009 |
| 14     | 157 <sup>1</sup> | ChevyCK3500 | 2002       | 1GBJG31G721165686 | 22'              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas         | No                 | 2                   | 2009 |
| 15     | 158              | ChevyCK3500 | 2002       | 1GBJG31G421163796 | 22'              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas         | No                 | 3                   | 2010 |
| 16     | 159 <sup>1</sup> | ChevyCK3500 | 2002       | 1GBJG31G321163935 | 22'              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas         | No                 | 2                   | 2009 |
| 17     | 160 <sup>1</sup> | ChevyCK3500 | 2002       | 1GBJG31G721164781 | 22'              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas         | No                 | 2                   | 2009 |
| 18     | 161 <sup>1</sup> | ChevyCK3500 | 2002       | 1GBJG31G921165544 | 22'              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas         | No                 | 2                   | 2009 |
| 19     | 162 <sup>1</sup> | ChevyCK3500 | 2002       | 1GBJG31G421163992 | 22'              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2009 |
| 20     | 163              | ChevyCK3500 | 2002       | 1GBJG31G321163255 | 22'              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas         | No                 | 3                   | 2010 |
| 21     | 164              | ChevyCK3500 | 2002       | 1GBJG31G321164700 | 22'              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas         | No                 | 3                   | 2010 |
| 22     | 201              | Ford E450   | 2008       | 1FD4E45S78DA09184 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2015 |
| 23     | 202              | Ford E450   | 2008       | 1FD4E45S68DA09192 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2015 |
| 24     | 301              | Ford E450   | 2009       | 1FD3E35L88DB57262 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 25     | 302              | Ford E450   | 2009       | 1FD3E35L18DB57264 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 26     | 303              | Ford E450   | 2009       | 1FD3E35L98DB57271 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 27     | 304              | Ford E450   | 2009       | 1FD3E35L08DB57272 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 28     | 305              | Ford E450   | 2009       | 1FD3E35L68DB57275 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 29     | 306              | Ford E450   | 2009       | 1FD3E35L48DB57257 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 30     | 307              | Ford E450   | 2009       | 1FD3E35L48DB57260 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 31     | 308              | Ford E450   | 2009       | 1FD3E35L68DB57261 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 32     | 309              | Ford E450   | 2009       | 1FD3E35L78DB57267 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 33     | 310              | Ford E450   | 2009       | 1FD3E35L08DB57269 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 34     | 311              | Ford E450   | 2009       | 1FD3E35L28DB57273 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 35     | 312              | Ford E450   | 2009       | 1FD3E35L78DB57270 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 36     | 313              | Ford E450   | 2009       | 1FD3E35L28DB57256 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 37     | 314              | Ford E450   | 2009       | 1FD3E35L58DB57266 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 38     | 315              | Ford E450   | 2009       | 1FD3E35L48DB57274 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |
| 39     | 316              | Ford E450   | 2009       | 1FD3E35L88DB57259 | 22'              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas         | No                 | No                  | 2016 |

Notes:

1. Will be retired in 2009 (replaced by 300 series).

**Figure 5-6 Contractor Owned Community Shuttle Vehicles**

|   | Model         | Year | VIN Number        | Length of Vehicle | Seating Capacity | Wheelchair Capacity | Vehicle Type | Service Type | Mode of Power |
|---|---------------|------|-------------------|-------------------|------------------|---------------------|--------------|--------------|---------------|
| 1 | Ford Aerotech | 2006 | 1FDXE45S36HA88646 | 24'               | 20               | 2                   | Cutaway Van  | Fixed Route  | Gasoline      |
| 2 | Ford Aerotech | 2006 | 1FDXE45S56HA88647 | 24'               | 20               | 2                   | Cutaway Van  | Fixed Route  | Gasoline      |

**Figure 5-7 Contractor Owned Stagecoach Vehicles**

|   | Model         | Year | VIN Number        | Length of Vehicle | Seating Capacity | Wheelchair Capacity | Vehicle Type | Service Type                   | Mode of Power |
|---|---------------|------|-------------------|-------------------|------------------|---------------------|--------------|--------------------------------|---------------|
| 1 | Ford Supreme  | 2000 | 1FDWE45F1YHB42754 | 25'               | 20+2 WC          | 2                   | Cutaway Van  | Fixed-Route/ Flag Stop Service | Diesel        |
| 2 | Ford Eldorado | 2008 | 1FDXE45547DB11330 | 25'               | 18+2WC           | 2                   | Cutaway Van  | Fixed-Route/ Flag Stop Service | Unleaded      |
| 3 | GMC Inst-Aero | 2007 | 1GBE5V127F413664  | 32'               | 28+2 WC          | 2                   | Cutaway Van  | Fixed-Route/ Flag Stop Service | Diesel        |

**Figure 5-8 Contractor Owned Fixed Route Vehicles**

|       | Model                        | Year | Number of Vehicles | Length of Vehicle | Seating Capacity | Wheelchair Capacity | Vehicle Type         | Service Type | Mode of Power | Major Work Completed? | Service Life Added | Retired from Service |
|-------|------------------------------|------|--------------------|-------------------|------------------|---------------------|----------------------|--------------|---------------|-----------------------|--------------------|----------------------|
| 1     | TMC T80206S RTS-06           | 1991 | 1                  | 40'               | 39               | 2                   | Standard Motorbus    | Fixed Route  | Diesel        | NA                    | NA                 |                      |
| 2-7   | Nova T80206S RTS-06          | 1997 | 6 vehicles         | 40.5'             | 43               | 2                   | Standard Motorbus    | Fixed Route  | Diesel        | NA                    | NA                 | 2013                 |
| 8-15  | Nova 82VN                    | 2000 | 8 vehicles         | 40.5'             | 39               | 2                   | Standard Motorbus    | Fixed Route  | Diesel        | NA                    | NA                 | 2013                 |
| 16-24 | Nova 66VN                    | 2001 | 9 vehicles         | 30'               | 27               | 2                   | Standard Motorbus    | Fixed Route  | Diesel        | NA                    | NA                 | 2014                 |
| 25-35 | Orion V '05.501              | 2003 | 11 vehicles        | 40'               | 41               | 2                   | Standard Motorbus    | Fixed Route  | Diesel        | NA                    | NA                 | 2016                 |
| 36-47 | New Flyer D60LF <sup>1</sup> | 2007 | 10 vehicles        | 60.7'             | 58               | 2                   | Articulated Motorbus | Fixed Route  | Diesel        | NA                    | NA                 | 2019                 |

Notes:

1. Local match for 10 articulated buses paid by Marin Transit.

**Figure 5-9 Contractor Owned Paratransit Vehicles**

| Unit # | Model | Year         | VIN Number | Length of Vehicle | Seating Capacity | Wheel-chair Capacity | Vehicle Type | Service Type | Mode of Power | Major Work Completed? | Service Life Added | Retire from Service |      |
|--------|-------|--------------|------------|-------------------|------------------|----------------------|--------------|--------------|---------------|-----------------------|--------------------|---------------------|------|
| 1      | 9     | Toyota Prius | 2006       | JTDKB20U963135549 | 22"              | 4 amp                | 0            | Sedan        | Paratransit   | Gas                   | No                 | No                  | -    |
| 2      | 34    | Ford Apollo  | 94         | 1FTJ534G9RHB12687 | 22"              | 5 amb\2 wc           | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 8                   | 2012 |
| 3      | 101   | Ford E350    | 1993       | 1FDKE30G7PHA65413 | 22"              | 8 amb/2 wc           | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 9                   | RA   |
| 4      | 102   | Ford E350    | 1993       | 1FDKE30G9PHA65414 | 22"              | 8 amb/2 wc           | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 9                   | RA   |
| 5      | 104   | Ford E350    | 1993       | 1FDKE30G2PHA65416 | 22"              | 8 amb/2 wc           | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 9                   | RA   |
| 6      | 106   | Ford E350    | 1993       | 1FDKE30G6PHA65418 | 22"              | 12 amb\1 wc          | 1            | Cut Away     | Paratransit   | Gas                   | No                 | 9                   | RA   |
| 7      | 107   | Ford E350    | 1993       | 1FDKE30G8PHA65419 | 22"              | 8 amb/2 wc           | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 9                   | RA   |
| 8      | 110   | Ford E350    | 94         | 1FDKE30G7RHA59100 | 22"              | 6 amb\3 wc           | 3            | Cut Away     | Paratransit   | Gas                   | No                 | 8                   | RA   |
| 9      | 111   | Ford E350    | 94         | 1FDKE30G4RHA59099 | 22"              | 12 amb\1 wc          | 1            | Cut Away     | Paratransit   | Gas                   | No                 | 8                   | RA   |
| 10     | 112   | Ford E350    | 94         | 1FDKE30G2RHA59098 | 22"              | 12 amb\1 wc          | 1            | Cut Away     | Paratransit   | Gas                   | No                 | 8                   | RA   |
| 11     | 130   | Ford E350    | 97         | 1FDKE3055VHC10322 | 22"              | 6/1, 4/2, 2/3        | 3            | Cut Away     | Paratransit   | Gas                   | No                 | 4                   | RA   |
| 12     | 131   | Ford E350    | 97         | 1FDKE3057VHC10323 | 22"              | 2+7,3 W/C            | 3            | Cut Away     | Paratransit   | Gas                   | No                 | 4                   | RA   |
| 13     | 132   | Ford E350    | 97         | 1FDKE3059VHC10324 | 22"              | 6/1, 4/2, 2/3        | 3            | Cut Away     | Paratransit   | Gas                   | No                 | 4                   | RA   |
| 14     | 133   | Ford E350    | 97         | 1FDKE3050VHC10325 | 22"              | 6/1, 4/2, 2/3        | 3            | Cut Away     | Paratransit   | Gas                   | No                 | 4                   | RA   |
| 15     | 134   | Ford E350    | 97         | 1FDKE3052VHC10326 | 22"              | 6/1, 4/2, 2/3        | 3            | Cut Away     | Paratransit   | Gas                   | No                 | 4                   | RA   |
| 16     | 135   | Ford E350    | 97         | 1FDKE3054VHC10327 | 22"              | 2+7,3 W/C            | 3            | Cut Away     | Paratransit   | Gas                   | No                 | 4                   | RA   |
| 17     | 140   | Ford E350    | 98         | 1FDWE3051WHC03807 | 22"              | 6/1, 4/2, 2/3        | 3            | Cut Away     | Paratransit   | Gas                   | No                 | 3                   | RA   |
| 18     | 150   | Chevy CK3500 | 01         | 1GBJG31G011180500 | 22"              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2010 |
| 19     | 151   | Chevy CK3500 | 01         | 1GBJG31G611182364 | 22"              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2010 |
| 20     | 152   | Chevy CK3500 | 01         | 1GBJG31G711180378 | 22"              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2006 |
| 21     | 153   | Chevy CK3500 | 01         | 1GBJG31G111180540 | 22"              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2006 |
| 22     | 168   | Chevy CK3500 | 02         | 1GBJG31GX21167352 | 22"              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2007 |
| 23     | 169   | Chevy CK3500 | 02         | 1GBJG31G421166021 | 22"              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2009 |
| 24     | 170   | Chevy CK3500 | 02         | 1GBJG31G921165950 | 22"              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2009 |
| 25     | 171   | Chevy CK3500 | 02         | 1GBJG31GX21167836 | 22"              | 8/1, 6/2, 4/2        | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2007 |
| 26     | 203   | Ford E450    | 08         | 1FD4E45S88DA52884 | 22"              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2015 |
| 27     | 204   | Ford E450    | 08         | 1FD4E45SE8DA52885 | 22"              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2015 |
| 28     | 205   | Ford E450    | 08         | 1FD4E45S38DA52887 | 22"              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2015 |
| 29     | 206   | Ford E450    | 08         | 1FD4E45S28DA52881 | 22"              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2015 |
| 30     | 207   | Ford E450    | 08         | 1FD4E45S48DA52882 | 22"              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2015 |
| 31     | 208   | Ford E450    | 08         | 1FD4E45S18DA52886 | 22"              | 7/2                  | 2            | Cut Away     | Paratransit   | Gas                   | No                 | 0                   | 2015 |

Notes:  
 1. RA = retired active.



## Vehicle Replacement Schedule

The Marin Transit vehicle replacement schedule is described below and shown in the capital funding plan (Figure 5.1).

### ***Large Bus Local Vehicle Replacement***

Figure 5-10 shows Marin Transit's large bus vehicle replacement schedule. These vehicles are used on the service operated by Golden Gate Transit.

Marin Transit has directed Golden Gate Transit to purchase seven 35-ft diesel hybrid electric vehicles for operation on Marin local routes in FY 2009/2010. The cost of each vehicle is expected to be \$619,000, for a total local match requirement of \$891,311. Revenue-based Proposition 1B funds will be used to pay most of the local match to the 5307 grant funds from the Federal Transit Administration. A smaller proportion of Measure A funds, \$20,000, will be used to pay the balance of the match requirement.

In FY 2013/2014, fourteen 40-ft Nova buses used on Marin Transit local service will be eligible for replacement. Based on the Metropolitan Transportation Commission (MTC) FY 2008/2009 bus price list, the vehicles are budgeted at \$471,000 each, and the price is escalated by 3% per year. Marin Transit is responsible for a 19.38% match for a total of about \$1.5 million in FY 2013/2014.

In FY 2014/2015, four 30-ft buses used on Marin Transit local service will be eligible for replacement. Based on the MTC FY 2008/2009 bus price list, the vehicles are budgeted at \$445,000 each and escalated by 3% per year. Marin Transit is responsible for a 19.34% match for a total of about \$411,000 in FY 2014/2015.

In FY 2016/2017, nine 40-ft buses used on Marin Transit local service will be eligible for replacement. Based on the MTC FY 2008/2009 bus price list, the vehicles are budgeted at \$471,000 each and escalated by 3% per year. Marin Transit is responsible for a 19.38% match, for a total of about \$1.0 million in FY 2016/2017.



**Figure 5-10 Local Transit Bus Replacement Schedule**

| Fiscal Year | Replacements | Total Cost  | Marin Transit's Share | Vehicle Type | Seating Capacity | Wheelchair Capacity |
|-------------|--------------|-------------|-----------------------|--------------|------------------|---------------------|
| FY08/09     | 7            | \$4,333,000 | \$891,611             | 35 ft Hybrid | 34               | 2                   |
| FY09/10     | 0            | -           | -                     | -            | -                | -                   |
| FY10/11     | 0            | -           | -                     | -            | -                | -                   |
| FY11/12     | 0            | -           | -                     | -            | -                | -                   |
| FY12/13     | 0            | -           | -                     | -            | -                | -                   |
| FY13/14     | 14           | \$7,643,431 | \$1,481,297           | 40 ft        | 39               | 2                   |
| FY14/15     | 4            | \$2,125,412 | \$411,054             | 30 ft        | 27               | 2                   |
| FY15/16     | 0            | -           | -                     | -            | -                | -                   |
| FY16/17     | 9            | \$5,369,841 | \$1,040,563           | 40 ft        | 39               | 2                   |
| FY17/18     | 0            | -           | -                     | -            | -                | -                   |

**Paratransit Vehicles**

Marin Transit has a continuous paratransit vehicle replacement program. Marin Transit uses FTA Section 5307 funds to pay for the vehicles and shares the cost of the local match with Golden Gate Transit and Whistlestop Wheels based on a proportional use formula. Figure 5.10 details the replacement schedule and Marin Transit's share of the required local match. Marin Transit's matching funds come from Measure A capital funds.

**Figure 5-11 Paratransit Vehicle Replacement Schedule**

| Fiscal Year | Replacements | Total Cost | Marin Transit's Share | Vehicle Type           | Seating Capacity | Wheelchair Capacity |
|-------------|--------------|------------|-----------------------|------------------------|------------------|---------------------|
| FY08/09     | 16           | \$968,000  | \$114,437             | Cutaways               | 8                | 2                   |
| FY09/10     | 10           | \$623,150  | \$73,669              | 4 Minivans, 6 Cutaways | 3, 8             | 1, 2                |
| FY10/11     | 2            | \$128,369  | \$15,176              | Cutaways               | 8                | 2                   |
| FY11/12     | 7            | \$462,770  | \$54,709              | Cutaways               | 3                | 6                   |
| FY12/13     | 2            | \$136,187  | \$16,100              | Cutaways               | 7                | 2                   |
| FY13/14     | 10           | \$701,361  | \$82,915              | 4 Minivans, 6 Cutaways | 3, 8             | 1, 2                |
| FY14/15     | 9            | \$650,161  | \$76,862              | Cutaways               | 8                | 2                   |
| FY15/16     | 4            | \$297,629  | \$35,186              | Cutaways               | 8                | 2                   |
| FY16/17     | 4            | \$306,558  | \$36,241              | Cutaways               | 8                | 2                   |
| FY17/18     | 10           | \$789,388  | \$93,321              | Cutaways               | 8                | 2                   |

**Shuttle Vehicle Replacement**

Marin Transit replaced two shuttle vehicles in FY 2008/2009. These cutaway vehicles have a five year useful life and are programmed for replacement in FY 2014/2015. Measure A funds are programmed for the shuttle vehicle replacement (Figure 5-12 Shuttle Vehicle Replacement Schedule). There may be opportunities for grant money to share the costs of future vehicle replacements.

Marin Transit intends to purchase two hybrid electric shuttles through a joint procure-





ment by a Consortium of Transit Operators in FY 2009/2010 to replace contractor owned vehicles. This group procurement will promote the development of smaller hybrid transit vehicles not currently available in the marketplace and will serve as an evaluation project for the district. Each vehicle is expected to be around \$115,000 each. These vehicles are scheduled to be replaced in FY 2016/2017

**Figure 5-12 Shuttle Vehicle Replacement Schedule**

| Fiscal Year | Replacements | Total Cost | Marin Transit's Share | Vehicle Type    | Seating Capacity | Wheelchair Capacity |
|-------------|--------------|------------|-----------------------|-----------------|------------------|---------------------|
| FY08/09     | 2            | \$155,400  | \$3,400               | Cutaways        | 18               | 2                   |
| FY09/10     | 2            | \$230,000  | \$230,000             | Hybrid Cutaway  | 18               | 2                   |
| FY10/11     | 0            | -          | -                     | -               | -                | -                   |
| FY11/12     | 0            | -          | -                     | -               | -                | -                   |
| FY12/13     | 0            | -          | -                     | -               | -                | -                   |
| FY13/14     | 0            | -          | -                     | -               | -                | -                   |
| FY14/15     | 2            | \$181,486  | \$181,486             | Cutaways        | 18               | 2                   |
| FY15/16     | 0            | -          | -                     | -               | -                | -                   |
| FY16/17     | 2            | \$291,357  | \$291,357             | Hybrid Cutaways | 18               | 2                   |
| FY17/18     | 0            | -          | -                     | -               | -                | -                   |

### ***Stagecoach Vehicle Replacement***

Marin Transit will receive Rural 5311 federal stimulus money (ARRA) to replace three contractor-owned vehicles with three Marin Transit-owned vehicles. This will allow Marin Transit to negotiate a lower operating service cost in future contracts and better control the type and condition of vehicles. Marin Transit expects to have these three new vehicles in service by the close of 2009.

The vehicles used on the Stagecoach service have a useful life of seven years or 100,000 miles. Marin Transit has programmed replacement of three Stagecoach vehicles in FY 2014/2015 and a second set of three vehicles in FY 2016/2017, using 5311 or 5311f funds and matching them with local Measure A funds.

## **Vehicle Expansion**

Marin Transit has only a limited need for vehicle expansion during the ten year planning horizon.

### ***Large Bus Vehicle Expansion***

Marin Transit will not need any expansion vehicles for the Golden Gate-operated service. Marin Transit is planning to purchase three large transit buses for the Muir Woods shuttle operation in FY 2010/2011 using Proposition 1B state infrastructure bond funding (Proposition 1B funding).



**Paratransit Vehicle Expansion**

With the expected increase in demand, paratransit will need a steadily increasing number of paratransit vehicles. The additional vehicles will consist of active retired vehicles and new vehicles purchased through the contractor’s 5310 vehicle program.

**Figure 5-13 Paratransit Vehicle Expansion Schedule**

| Fiscal Year | Number Replaced | Total Cost | Marin Transit’s Share | Vehicle Type | Seating Capacity | Wheelchair Capacity |
|-------------|-----------------|------------|-----------------------|--------------|------------------|---------------------|
| FY08/09     | 0               | -          | -                     | -            | -                | -                   |
| FY09/10     | 0               | -          | -                     | -            | -                | -                   |
| FY10/11     | 0               | -          | -                     | -            | -                | -                   |
| FY11/12     | 0               | -          | -                     | -            | -                | -                   |
| FY12/13     | 3               | \$204,280  | \$24,150              | Cutaway      | 8                | 2                   |
| FY13/14     | 0               | -          | -                     | -            | -                | -                   |
| FY14/15     | 0               | -          | -                     | -            | -                | -                   |
| FY15/16     | 0               | -          | -                     | -            | -                | -                   |
| FY16/17     | 6               | \$459,838  | \$54,362              | Cutaway      | 8                | 2                   |
| FY17/18     | 0               | -          | -                     | -            | -                | -                   |

**Shuttle Vehicle Expansion**

No expansion vehicles are programmed for the Community Shuttle service.

**Stagecoach Vehicle Expansion**

No expansion vehicles are programmed for the West Marin Stagecoach.

**Other Capital Projects**

Marin Transit has planned for many non-vehicle capital projects including:

- Capital Contribution to Golden Gate Transit;
- Leasing Vehicles for Muir Woods;
- Bus Stop Improvements and Passenger Information;
- Bus Stop Maintenance;
- South Novato Bus Stop Improvements;
- Mobile Data Terminals for Paratransit Vehicles;
- Marin City Transit Hub Improvements;
- Farebox Upgrade; and
- Technology Projects.



Project details are included below, and Figure 5.1 summarizes the project funding plans.

### ***Capital Contribution to Golden Gate***

As part of the local bus operating contract with Golden Gate Transit, Marin Transit pays a \$431,732 annual capital contribution. This funding pays for general capital costs associated with the operation of the fixed route local service. This includes but is not limited to signage, shared stop maintenance, staff time, San Rafael Transit Center costs, and fareboxes. Starting in FY 2011/2012, the annual capital contribution amount increases by 5% per year.

### ***Leasing Vehicles for Muir Woods Shuttle***

To operate the Muir Woods Shuttle, Marin Transit needs up to ten vehicles that are not currently owned by Marin Transit. These vehicles are only needed seasonally and require special operating and design characteristics due to the hilly, narrow, and winding roads that access the park entrance.

### ***Bus Stop Improvements***

Marin Transit has made a commitment to improve bus stops in Marin County. Formal relationships are needed with the local jurisdictions and Golden Gate Transit to establish roles and responsibilities for bus stop improvements. In 2008, Marin Transit signed its first memorandum of understanding regarding local service only bus stops with the City of San Rafael. Marin Transit intends to establish similar agreements with other jurisdictions in 2009.

The funding will be used for shelters, signage (both eye level and bus stop flags), stop amenities, and maintenance. Marin Transit will continue to work with local jurisdictions to ensure that all bus stops are accessible according to the Americans with Disabilities Act (ADA).

### ***Bus Stop Maintenance***

This funding is intended to cover ongoing maintenance contracts to clean and repair Marin Transit local bus stops. Currently all maintenance is done by Golden Gate Transit through our capital contribution or by local jurisdictions under advertising agreements.



### ***South Novato Bus Stop Improvements***

This is an ongoing State Transportation Improvement Program (STIP) funded project aimed at improving local to regional bus transfers in the City of Novato. The project is near completion on the conceptual design phase to improve transfer connections at three key locations in Novato. The improvements will include upgrading the current facility in Downtown Novato and reconfiguring stops at the Ignacio and Rowland freeway interchanges.

### ***Mobile Data Terminals for Paratransit Vehicles***

Marin Transit will purchase mobile data terminals (MDTs) for 55 paratransit vehicles, which will dramatically reduce reliance on the Marin Emergency Radio system (MERA) and lead to improved scheduling and dispatch functionality. MDT's will allow for improved productivity by interfacing with existing routing and planning software and automating passenger trips. In addition, drivers and dispatchers will be able to communicate through data channels and reduce the demands on the Marin Emergency Radio Authority (MERA) system, which will result in savings to Marin Transit.

Marin Transit has applied for \$360,000 in American Recovery and Reinvestment Act (ARRA) FTA Section 5307 funds for this project.

### ***Marin City Transit Hub Improvements***

Marin Transit has pledged funding towards a Marin County grant funded project to improve conditions at the Marin City Transit Hub. Improvements include new shelters, lighting, signage, reinforced pavement, and landscaping.

### ***Farebox Upgrade***

Marin Transit worked with Golden Gate Transit to purchase new fareboxes in FY 2008/2009. This budget is to cover ongoing maintenance, parts, and supplies for the fareboxes. Four Odyssey GFI fareboxes were installed on the Community Shuttle vehicles and six were installed on the Stagecoach vehicles in FY 2008/2009.

### ***Technology Projects***

Marin Transit has applied for \$500,000 in American Recovery and Reinvestment Act (ARRA) FTA Section 5307 funds for two major technology projects. Marin Transit will implement a real time vehicle monitoring and passenger information system on the shuttle and Stagecoach services. Golden Gate Transit is working on implementing a similar system that would operate on Marin Transit's other local routes.

Marin Transit will also implement an integrated data warehousing system. The system will store vehicle information, ridership statistics, customer comments, and other system



data from multiple contractors in a centralized location.

## **Additional Proposition 1B Bond Funds**

Marin Transit anticipates receiving additional state infrastructure bond funding over the next several years. Marin Transit has identified capital projects for this funding and will apply for the funds as money is made available through MTC. Projects include:

- TransLink Funding; and
- Muir Woods Shuttle buses.

### ***TransLink***

Marin Transit has requested to have local Marin County fare media added to the TransLink regional fare program. Marin Transit requested that TransLink equipment be available for passenger use on the Community Shuttle and Stagecoach routes.

### ***Muir Woods Vehicles***

To operate the Muir Woods Shuttle, Marin Transit will rely on ten leased buses each season. If capital funding is available, Marin Transit would purchase all or some of these vehicles to reduce leasing costs and ensure the best equipment are available to provide the service. Purchasing the vehicles may also allow for alternative fuel vehicles, if they meet operational and safety requirements.