CHAPTER 7

CAPITAL IMPROVEMENT PROGRAM

This Chapter presents the proposed Capital Improvement Program (CIP), with a brief description of the proposed projects and a preliminary cost estimate for each proposed improvement for the City. Also included in the CIP recommendations are general timelines and scheduling for the needed improvements, and general guidelines for cost allocations relative to existing and future developments.

BASIS OF CAPITAL IMPROVEMENT PROGRAM COSTS

The capital improvement program (CIP) costs were developed based on engineering judgment, confirmed bid prices for similar work in the Central Coast area, consultation with vendors and contractors, established budgetary unit prices for the work, and other reliable sources. Hard construction costs are typically escalated by a factor of 1.4, to allow budget for “soft costs” that include preliminary engineering, engineering, administration, construction management and inspection costs. Some projects may have factors other than 1.4 depending on project type. All CIP costs are expressed in Year 2010 dollars, using McGraw-Hill ENR Construction Cost Index of 8671 (March 2010), and will need to be escalated to the year or years scheduled for the work. The unit cost for new gravity sewers includes the proposed pipelines, manholes, lateral reconnections, sewer bypassing, traffic control, etc., and all other aspects of sewer system construction.

TIMING OF RECOMMENDED IMPROVEMENTS

There are projects triggered by existing deficiencies and projects triggered by future development. The projects that address existing deficiencies are ranked in order of importance, which is discussed in greater detail within this Chapter and shown in Table 7-1. These existing deficiencies are considered Near Term projects and are recommended to be completed within the next 1 to 5 years and are shown in Table 7-2. Near Term CIP that are triggered by existing demands, but also must be upgraded for future flows are identified in Tables 7-1 and 7-2. In these cases the CIP recommendation is the upgrade required to accommodate future flows.

There are also projects that are triggered by potential future development, for which the timing is always difficult to ascertain. These Long Term projects are presented in Table 7-3.

Recommended projects have not been evaluated for potential environmental impacts as a part of this study. Projects will be subject to the requirements of CEQA prior to approval and funding.

CIP RANKING

The near term capital improvement projects were ranked to determine what priority the existing recommended projects should be constructed. Table 7-1 evaluates each of the
projects in five categories: overflow to a water body of the state, hydraulic capacity (d/D), community impact, maintenance hot spots, and cost. Each category was provided a weighted importance factor based on what factors are more important than others. The importance factor is multiplied by the score the project received and then summed together to determine its final score.

Although the projects are ranked as described above, it should be noted that all projects identified in the Near Term CIPs are a result of deficiencies in the existing collection system due to existing needs and are therefore all important to be constructed within the next 1 to 5 years. It is also recommended that the City review these projects periodically to determine if any substantial changes have occurred that may re-prioritize a project to a higher ranking.

Table 7-2 provides a summary of all the existing recommended CIPs, or Near Term Projects, in order of ranking from Table 7-1. Table 7-2 also provides an estimate of the construction and "soft" costs for each project. The costs are based on engineering judgment, confirmed bid prices for similar work in the Central Coast area, consultation with vendors and contractors, established budgetary unit prices for the work, and other reliable sources. The cost estimates are approximate and should be used for planning purposes only. Actual project costs will vary depending upon economic conditions at the time of construction. As noted previously, these costs are based on Year 2010 dollars (McGraw-Hill ENR Construction Cost Index of 8671) and need to be escalated to the year or years scheduled for the work.

Table 7-3 provides a summary of the future recommended CIPs, or Long Term Projects, and their estimated costs. These projects are not ranked.

Following the tables, project description sheets are provided for each project noted. The project description sheets provide the following information:

- Project name
- Project trigger
- Project benefit
- Project need
- Project cost
- Project schedule
- Project description
- Project map

These description sheets can be used by City Staff in the planning for each project, and for inclusion in fiscal year budget requests.

Exhibits 1 and 2 in Appendix D show the Near Term and Long Term CIPS throughout the City.
UNIT COSTS

Table 7-2 and 7-3 provide costs for the recommended capital improvement projects. The unit costs are based on recent construction costs and engineering judgment. The unit costs for the various pipe diameters are as follows in Table 7-4:

Table 7-4. Unit Cost for Construction of Sewer Mains

<table>
<thead>
<tr>
<th>Pipe Diameter (inches)</th>
<th>Unit Cost ($/LF)</th>
<th>Notes</th>
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<tbody>
<tr>
<td>8</td>
<td>180</td>
<td>Typical construction</td>
</tr>
<tr>
<td>8</td>
<td>235</td>
<td>For projects with heavy traffic control requirements</td>
</tr>
<tr>
<td>10</td>
<td>195</td>
<td>Typical construction</td>
</tr>
<tr>
<td>10</td>
<td>255</td>
<td>For projects with heavy traffic control requirements</td>
</tr>
<tr>
<td>12</td>
<td>205</td>
<td>Typical construction</td>
</tr>
<tr>
<td>12</td>
<td>265</td>
<td>For projects with heavy traffic control requirements</td>
</tr>
<tr>
<td>12</td>
<td>300</td>
<td>For projects located in trenches with concrete backfill</td>
</tr>
<tr>
<td>15</td>
<td>220</td>
<td>Typical construction</td>
</tr>
<tr>
<td>15</td>
<td>280</td>
<td>For projects with heavy traffic controls requirements</td>
</tr>
<tr>
<td>15</td>
<td>315</td>
<td>For projects located in trenches with concrete backfill</td>
</tr>
<tr>
<td>18</td>
<td>235</td>
<td>Typical construction</td>
</tr>
<tr>
<td>18</td>
<td>325</td>
<td>For projects with heavy traffic controls requirements</td>
</tr>
<tr>
<td>21</td>
<td>250</td>
<td>Typical construction</td>
</tr>
<tr>
<td>21</td>
<td>325</td>
<td>For projects with heavy traffic controls requirements</td>
</tr>
<tr>
<td>36</td>
<td>400</td>
<td>Typical construction</td>
</tr>
</tbody>
</table>

Projects with heavy traffic control requirements will be identified using the listing of highways, major thoroughfares, major collectors, and collectors as defined in Appendix D of the City’s 1992 Design Standards.
<table>
<thead>
<tr>
<th>Project Name</th>
<th>5</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
<th>Score</th>
<th>Ranking</th>
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<td>Bridge Road Interconnect</td>
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<td>2</td>
<td>10</td>
<td>0</td>
<td>10</td>
<td></td>
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</tr>
<tr>
<td>Powell Street Sewer Pipe Upgrade</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>10</td>
<td>2</td>
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<td>Yes</td>
</tr>
<tr>
<td>West Street Sewer Pipe Upgrade</td>
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<td>5</td>
<td>0</td>
<td>10</td>
<td>2</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Line Street Near Term Sewer Pipe Upgrade</td>
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<td>2</td>
<td>10</td>
<td>0</td>
<td>2</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>GLP Lift Station Upgrades Near Term</td>
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<td>2</td>
<td>0</td>
<td>10</td>
<td>10</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Nash Road Sewer Pipe Upgrade</td>
<td>0</td>
<td>5</td>
<td>5</td>
<td>0</td>
<td>2</td>
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</tr>
<tr>
<td>Southside Lift Station Upgrades Near Term</td>
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<td>0</td>
<td>10</td>
<td>2</td>
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<td>No</td>
</tr>
<tr>
<td>2nd and East Lift Station Upgrades Near Term</td>
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<td>0</td>
<td>0</td>
<td>10</td>
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<td>Sunset Drive Sewer Pipe Upgrade</td>
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<td>5</td>
<td>0</td>
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</tr>
<tr>
<td>Airport Lift Station Upgrades Near Term</td>
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<td>0</td>
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<td>10</td>
<td>5</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Project #</td>
<td>Title</td>
<td>Description</td>
<td>Quantity</td>
<td>Old Diameter (in)</td>
<td>New Diameter (in)</td>
<td>Street</td>
<td>Location</td>
</tr>
<tr>
<td>-----------</td>
<td>------------------------</td>
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<td>-------------------</td>
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</tr>
<tr>
<td>1</td>
<td>Bridge Road Inドレス</td>
<td>New Pipe</td>
<td>90</td>
<td>8</td>
<td>10</td>
<td>Drapper Road</td>
<td>Northeast of Alavi Court</td>
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<tr>
<td>2</td>
<td>Powell Street Sewer</td>
<td>Pipe Upgrade</td>
<td>150</td>
<td>5</td>
<td>10</td>
<td>Powell Street</td>
<td>From Weba Way to 7th Street</td>
</tr>
<tr>
<td>3</td>
<td>Powell Street Sewer</td>
<td>Pipe Upgrade</td>
<td>800</td>
<td>5</td>
<td>8</td>
<td>Powell Street</td>
<td>From Weba Way to Weba Way</td>
</tr>
<tr>
<td>4</td>
<td>West Street Sewer</td>
<td>Pipe Upgrade</td>
<td>1,500</td>
<td>9</td>
<td>10</td>
<td>West Street</td>
<td>From SMH 471 to 7th Street</td>
</tr>
<tr>
<td>5</td>
<td>Line Street Near Term</td>
<td>Facility Upgrades</td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Frontage Road</td>
<td>From North Road to Alavi Court</td>
</tr>
<tr>
<td>6</td>
<td>Nash Road Sewer Pipe</td>
<td>Pipe Upgrade</td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Nash Road</td>
<td>From Sun Banito Street to Peave Street</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2,700</td>
<td>12</td>
<td>15</td>
<td>Trop Pines Road</td>
<td>From Peave Street to Alavi Highway</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Surry Road</td>
<td>From Stanly high to SMH 250</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>400</td>
<td>9</td>
<td>12</td>
<td>Surry Road</td>
<td>From SMH 250 to Memorial Drive</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Nash Road</td>
<td>From Sun Banito Street to Peave Street</td>
</tr>
<tr>
<td>7</td>
<td>Southlake LS Upgrades</td>
<td>Facility Upgrades</td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Southlake Road</td>
<td>At the intersection of Southlake Road and Enterprise Road</td>
</tr>
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<td>8</td>
<td>2nd and East LS</td>
<td>Facility Upgrades</td>
<td>1</td>
<td>12</td>
<td>15</td>
<td>East Street</td>
<td>At the intersection of 2nd Street and East Street</td>
</tr>
<tr>
<td>9</td>
<td>Sunset Drive Sewer</td>
<td>Pipe Upgrade</td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Sunset Drive</td>
<td>From Sunset Drive to Peave Street</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2,700</td>
<td>12</td>
<td>15</td>
<td>Sunset Drive</td>
<td>From Peave Street to Alavi Highway</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Sunset Drive</td>
<td>From Alavi Drive to Sun Banito Street</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Sunset Drive</td>
<td>From Sun Banito Street to Peave Street</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>400</td>
<td>9</td>
<td>12</td>
<td>Sunset Drive</td>
<td>From SMH 250 to Memorial Drive</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Sunset Drive</td>
<td>From Sunset Drive to Peave Street</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Sunset Drive</td>
<td>From Peave Street to Alavi Highway</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Sunset Drive</td>
<td>From Alavi Drive to Sun Banito Street</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Sunset Drive</td>
<td>From Sun Banito Street to Peave Street</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>400</td>
<td>9</td>
<td>12</td>
<td>Sunset Drive</td>
<td>From SMH 250 to Memorial Drive</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>1,200</td>
<td>12</td>
<td>15</td>
<td>Sunset Drive</td>
<td>From Sunset Drive to Peave Street</td>
</tr>
<tr>
<td>Project #</td>
<td>Title</td>
<td>Description</td>
<td>Quantity</td>
<td>Length (ft)</td>
<td>Old Diameter (in)</td>
<td>New Diameter (in)</td>
<td>Street</td>
</tr>
<tr>
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<td>-----------------</td>
<td>----------</td>
<td>-------------</td>
<td>-------------------</td>
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<td>--------</td>
</tr>
<tr>
<td>10</td>
<td>Airport LS Upgrades</td>
<td>Facility Upgrades</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>San Felipe Rd.</td>
</tr>
</tbody>
</table>

**Total Near Term Project Costs**: $7,146,730

* If noted "Yes", then the proposed project has existing deficiencies. In addition, upgrades are necessary for future development. The proposed pipe diameter noted in this table is to meet the capacity needs of future development.
** Total includes construction cost plus preliminary engineering, design engineering, administration, construction management, and inspection costs. Construction costs were developed based on engineering judgment, confirmed bid prices for similar work in the Central Coast area, consultation with...
<table>
<thead>
<tr>
<th>Project #</th>
<th>Title</th>
<th>Description</th>
<th>Quantity</th>
<th>Length (Ft)</th>
<th>Old Diameter (In)</th>
<th>New Diameter (In)</th>
<th>Street</th>
<th>Location</th>
<th>Upstream Manhole Number</th>
<th>Downstream Manhole Number</th>
<th>Traffic Control</th>
<th>Construction Cost ($)</th>
<th>Subtotal ($)</th>
<th>Total Project Cost ($)</th>
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<tr>
<td>1</td>
<td>Aerostar Way Sewer Pipe Upgrade</td>
<td>Pipe Upgrade</td>
<td>--</td>
<td>1,600</td>
<td>12</td>
<td>15</td>
<td>Aerostar Way</td>
<td>From Airway Drive to SMH 503</td>
<td>494</td>
<td>503</td>
<td>Light</td>
<td>$290</td>
<td>LF</td>
<td>$1,180</td>
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<td>2</td>
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<td>Pipe Upgrade</td>
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<td>10</td>
<td>Hillcrest Road</td>
<td>From Hillcrest Drive to Memorial Drive</td>
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<td>330</td>
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<td>LF</td>
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<td>Fallon Road Sewer Pipe Upgrade</td>
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<td>From Shafter Drive to Technology Parkway</td>
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<td>480</td>
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<td>LF</td>
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<td>4</td>
<td>Kirk Patriot to GLP LS</td>
<td>Pipe Upgrade</td>
<td>--</td>
<td>1,600</td>
<td>10</td>
<td>12</td>
<td>Frontage Road</td>
<td>From McGloskey Road to GLP Lift Station</td>
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<td>GLP LS</td>
<td>Light</td>
<td>$235</td>
<td>LF</td>
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<td>--</td>
<td>500</td>
<td>10</td>
<td>12</td>
<td>McGloskey Road</td>
<td>From McGloskey Road to Frontage Road</td>
<td>532</td>
<td>WG372</td>
<td>Light</td>
<td>$235</td>
<td>LF</td>
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<td></td>
<td>Pipe Upgrade</td>
<td>--</td>
<td>1,700</td>
<td>10</td>
<td>12</td>
<td>Kirk Patrick</td>
<td>From Chappell Road to McGloskey Road</td>
<td>595</td>
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<td>Light</td>
<td>$250</td>
<td>LF</td>
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<td></td>
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<td>Pipe Upgrade</td>
<td>--</td>
<td>530</td>
<td>10</td>
<td>12</td>
<td>San Felice Road</td>
<td>From SMH-524 to Chappell Road</td>
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<td>585</td>
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<td>Total Pipe Length 4,360</td>
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<td></td>
<td>$1,234,160</td>
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<tr>
<td>5</td>
<td>Line Street Long Term Sewer Pipe Upgrade</td>
<td>Pipe Upgrade</td>
<td>--</td>
<td>1,600</td>
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<td>18</td>
<td>Line Street</td>
<td>From Piedmont Drive to 5th Street</td>
<td>414</td>
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<td>LF</td>
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<td></td>
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<td>--</td>
<td>1,600</td>
<td>15</td>
<td>18</td>
<td>Nash Road</td>
<td>From West Street to Line SMH 274</td>
<td>361</td>
<td>274</td>
<td>Heavy</td>
<td>$325</td>
<td>LF</td>
<td>$585,000</td>
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<td></td>
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<td>Total Pipe Length 3,400</td>
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<td></td>
<td></td>
<td>$1,547,000</td>
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<td>6</td>
<td>Miller Road Sewer Pipe Upgrade</td>
<td>Pipe Upgrade</td>
<td>--</td>
<td>300</td>
<td>8</td>
<td>12</td>
<td>Miller Road</td>
<td>From Shafter Drive to Technology Parkway</td>
<td>485</td>
<td>483</td>
<td>Light</td>
<td>$205</td>
<td>LF</td>
<td>$81,500</td>
</tr>
<tr>
<td>7</td>
<td>San Juan Road Sewer Pipe Upgrade</td>
<td>Pipe Upgrade</td>
<td>--</td>
<td>20</td>
<td>27</td>
<td>36</td>
<td>San Juan Road</td>
<td>At the intersection of Westside Boulevard</td>
<td>543</td>
<td>542</td>
<td>Heavy</td>
<td>$400</td>
<td>LF</td>
<td>$12,000</td>
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Table 7-3. City of Hollister Long Term Capital Improvement Program

<table>
<thead>
<tr>
<th>Project #</th>
<th>Title</th>
<th>Description</th>
<th>Quantity</th>
<th>Length (ft)</th>
<th>Old Diameter (in)</th>
<th>New Diameter (in)</th>
<th>Street</th>
<th>Location</th>
<th>Upstream Manhole Number</th>
<th>Downstream Manhole Number</th>
<th>Traffic Control</th>
<th>Construction Cost ($)</th>
<th>Subtotal ($)</th>
<th>Total Project Cost ($)**</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Technology Parkway Sewer Pipe Upgrade</td>
<td>Pipe Upgrade</td>
<td>1</td>
<td>700</td>
<td>10</td>
<td>12</td>
<td>Technology Parkway</td>
<td>From SMH 498 to SMH 510</td>
<td>496</td>
<td>510</td>
<td>Light</td>
<td>$306</td>
<td>LF</td>
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<tr>
<td>9</td>
<td>Airport LS VFD Upgrade</td>
<td>Facility Upgrades</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>San Felipe Road</td>
<td>At Hollister municipal airport</td>
<td>--</td>
<td>--</td>
<td>Minimal</td>
<td>$540,000</td>
<td>LS</td>
<td>$540,000</td>
</tr>
<tr>
<td>10</td>
<td>GLP LS VFD Upgrade</td>
<td>Facility Upgrades</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Frontage Road</td>
<td>From Frontage Road 1,500 feet north of McCluskey Road</td>
<td>--</td>
<td>--</td>
<td>Light</td>
<td>$630,000</td>
<td>LS</td>
<td>$600,000</td>
</tr>
<tr>
<td>11</td>
<td>2nd and East LS Upgrades</td>
<td>Facility Upgrades</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>East Street</td>
<td>At the intersection of 2nd Street and East Street</td>
<td>--</td>
<td>--</td>
<td>Light</td>
<td>$6,500</td>
<td>LS</td>
<td>$6,500</td>
</tr>
<tr>
<td>12</td>
<td>Cushman Street Sewer Pipe Upgrade</td>
<td>Pipe Upgrade</td>
<td>--</td>
<td>800</td>
<td>15</td>
<td>18</td>
<td>Cushman Street</td>
<td>From Velada Street to Andrews Drive</td>
<td>177</td>
<td>170</td>
<td>Light</td>
<td>$235</td>
<td>LF</td>
<td>$141,000</td>
</tr>
</tbody>
</table>

**Total includes construction cost plus preliminary engineering, design engineering, administration construction management and inspection costs. Construction costs were developed based on engineering judgment, confirmed bid prices for similar work in the Central Coast area, consultation with vendors and contractors, established budgetary unit prices for the work, and other reliable sources.**
Near Term Project No. 1: Bridge Road Interconnect
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☑ Existing Condition
☐ Future Condition

Jurisdiction
☑ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers: 60%
New Development: 40%

Project Components
☐ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 2 weeks

Project Need
☐ Insufficient capacity for existing flow
☑ Insufficient capacity for future flow
☐ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Cost(^1)</td>
<td>$7,500</td>
</tr>
<tr>
<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$3,000</td>
</tr>
<tr>
<td><strong>Total Project Cost</strong></td>
<td><strong>$10,500</strong></td>
</tr>
</tbody>
</table>

Project Description
The Bridge Road Near Term project proposes to add approximately 30 feet of 21-inch pipe between two sewer manholes on the existing parallel 21-inch and 36-inch sewer pipes on Bridge Road. The existing 21-inch runs at 60% to 80% full during existing peak flow conditions and 90% full during future peak flow conditions. It is assumed that wastewater flows are not properly distributed between the parallel sewer pipes. This upgrade would allow for continued use of the existing 21-inch sewer pipe without upgrading the sewer pipe.

\(^1\) Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

PREPARED BY:
Wallace Group
www.wallacegroup.us
San Luis Obispo, CA
Near Term Project No. 2: Powell Street Sewer Pipe Upgrade

City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
- Existing Condition
- Future Condition

Jurisdiction
- City of Hollister
- San Benito County

Project Benefit
- Existing Customers 95%
- New Development 5%

Project Components
- Upgrade Gravity Pipeline
- New Gravity Pipeline
- Upgrade Lift Station
- Upgrade Force Main
- Rehabilitation/Repair
- Inspection and/or analysis
- Replace Manhole

Project Scheduling
Est. Construction Duration: 6 weeks

Project Need
- Insufficient capacity for existing flow
- Insufficient capacity for future flow
- Existing condition limits O&M
- Consolidate parallel sewer mains

Project Description
The Powell Street Near Term project proposes to replace approximately 1,200 feet of 6-inch pipe with 8-inch and 10-inch pipe on Powell Street from 7th Street to Vali Way. Powell Street is a known problem area and has insufficient capacity for existing conditions. These pipes segments run 50% to 100% full during existing peak flow conditions. Although these pipe will receive future flow, the pipes will not need to be upsized further to accept future flow conditions since future pipe size recommendations are being used for this near term project.

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Cost</td>
<td>$228,000</td>
</tr>
<tr>
<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$91,200</td>
</tr>
<tr>
<td><strong>Total Project Cost</strong></td>
<td><strong>$319,200</strong></td>
</tr>
</tbody>
</table>

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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San Luis Obispo, CA

Near Term Project No. 2: Powell Street Sewer Pipe Upgrade
Near Term Project No. 3: West Street Sewer Pipe Upgrade

City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger

- Existing Condition
- Future Condition

Jurisdiction

- City of Hollister
- San Benito County

Project Benefit

- Existing Customers: 90%
- New Development: 10%

Project Components

- Upgrade Gravity Pipeline
- New Gravity Pipeline
- Upgrade Lift Station
- Upgrade Force Main
- Rehabilitation/Repair
- Inspection and/or analysis
- Replace Manhole

Project Scheduling

Est. Construction Duration: 10 weeks

Project Need

- Insufficient capacity for existing flow
- Insufficient capacity for future flow
- Existing condition limits O&M
- Consolidate parallel sewer mains

Project Description

The West Street Near Term project proposes to replace approximately 2,400 feet of 6-inch pipe with 8-inch and 10-inch pipe on West Street from 7th Street to Haydon Street. West Street is a known problem area and has insufficient capacity for existing conditions. These pipes segments run 90% to 100% full during existing peak flow conditions. Although these pipe will receive future flow, the pipes will not need to be upsized further to accept future flow conditions since future pipe size recommendations are being used for this near term project.

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Cost</td>
<td>$444,000</td>
</tr>
<tr>
<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$177,600</td>
</tr>
<tr>
<td>Total Project Cost</td>
<td>$621,600</td>
</tr>
</tbody>
</table>

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.
Near Term Project No. 4: Line Street Sewer Pipe Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger

- Existing Condition
- Future Condition

Jurisdiction

- City of Hollister
- San Benito County

Project Benefit

- Existing Customers: 70%
- New Development: 30%

Project Components

- Upgrade Gravity Pipeline
- New Gravity Pipeline
- Upgrade Lift Station
- Upgrade Force Main
- Rehabilitation/Repair
- Inspection and/or analysis
- Replace Manhole

Project Scheduling

Est. Construction Duration: 12 weeks

Project Need

- Insufficient capacity for existing flow
- Insufficient capacity for future flow
- Existing condition limits O&M
- Consolidate parallel sewer mains

Project Cost Breakdown

- Construction Cost\(^1\): $975,000
- Planning, Engineering, CM, Legal/Admin (40%): $390,000
- Total Project Cost: $1,365,000

Project Description

The Line Street Near Term project proposes to replace approximately 3,000 feet of 15-inch pipe with 18-inch pipe on Line Street from Nash Road to Mica Court. These pipes segments run 75% full during existing peak flow conditions. Although these pipes will receive future flow, the pipes will not need to be upsized further to accept future flow conditions.

---

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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San Luis Obispo, CA

Near Term Project No. 4: Line Street Sewer Pipe Upgrade
Near Term Project No. 5: GLP Lift Station Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☐ Existing Condition
☐ Future Condition

Jurisdiction
☐ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers 100%
New Development 0%

Project Components
☐ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 2 weeks

Project Need
☐ Insufficient capacity for existing flow
☐ Insufficient capacity for future flow
☐ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Description
The GLP Lift Station Near Term project proposes to evaluate the existing SCADA control system for failure to send an alarm signal when one or both of the pumps is not operating. In addition, the project proposes to reconfigure SCADA controls at the lift station to disable the pumps at the Airport Lift Station if the GLP Lift Station pumps are not operating. The SCADA controls will help to prevent overflow at the GLP Lift Station by minimizing inflow during a power outage or pump failure.

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Cost¹</td>
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</tr>
<tr>
<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$5,760</td>
</tr>
<tr>
<td>Total Project Cost</td>
<td>$20,160</td>
</tr>
</tbody>
</table>

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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San Luis Obispo, CA

Near Term Project No. 5: GLP Lift Station Upgrade
Near Term Project No. 6: Nash Road Sewer Pipe Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☐ Existing Condition
☐ Future Condition

Jurisdiction
☐ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers 70%
New Development 30%

Project Components
☐ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 24 weeks

Project Need
☐ Insufficient capacity for existing flow
☐ Insufficient capacity for future flow
☐ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Description
The Nash Road Near Term project proposes to replace approximately 5,400 feet of 12-inch pipe and 400 of 8-inch pipe with 15-inch pipe and 12-inch pipe on Nash Road from San Benito Street to Memorial Drive. These pipes segments run 70% to 100% full during existing peak flow conditions. Although these pipe will receive future flow, the pipes will not need to be upsized further to accept future flow conditions since future pipe size recommendations are being used for this near term project.

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Component</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$1,618,000</td>
</tr>
<tr>
<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$647,200</td>
</tr>
<tr>
<td><strong>Total Project Cost</strong></td>
<td><strong>$2,265,200</strong></td>
</tr>
</tbody>
</table>

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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Near Term Project No. 6: Nash Road Sewer Pipe Upgrade
Near Term Project No. 7: Southside Lift Station Upgrade

City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger

☑ Existing Condition
☐ Future Condition

Jurisdiction

☐ City of Hollister
☑ San Benito County

Project Benefit

Existing Customers 100%
New Development 0%

Project Components

☐ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☑ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling

Est. Construction Duration: 3 weeks

Project Need

☐ Insufficient capacity for existing flow
☐ Insufficient capacity for future flow
☑ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Cost Breakdown

Construction Cost

Planning, Engineering, CM, Legal/Admin (40%)  $30,600
Total Project Cost  $107,100

Project Description

The Southside Lift Station Near Term project proposes to install a blower and odor scrubber adjacent to the wet well to help prevent corrosion of the wet well, pumps, and piping. In addition, it is proposed to help protect the site from vandalism by installing security fencing.

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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San Luis Obispo, CA
Near Term Project No. 8: 2nd and East Lift Station Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☑ Existing Condition
☐ Future Condition

Jurisdiction
☑ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers 100%
New Development 0%

Project Components
☐ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 1 week

Project Need
☐ Insufficient capacity for existing flow
☐ Insufficient capacity for future flow
☑ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Construction Cost</td>
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<td>$2,880</td>
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<tr>
<td>Total Project Cost</td>
<td>$10,080</td>
</tr>
</tbody>
</table>

Project Description
The 2nd and East Near Term Project proposes to replace an existing slide gate due to corrosion. The slide gate protects the lift station from backflow entering the wetwell through the overflow pipeline.

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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Wallace Group
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San Luis Obispo, CA
Near Term Project No. 9: Sunset Drive Sewer Pipe Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☐ Existing Condition
☐ Future Condition

Jurisdiction
☒ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers 60%
New Development 40%

Project Components
☐ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 24 weeks

Project Need
☐ Insufficient capacity for existing flow
☐ Insufficient capacity for future flow
☐ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
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<td>Construction Cost$1</td>
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<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$663,200</td>
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<tr>
<td>Total Project Cost</td>
<td>$2,321,200</td>
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</tbody>
</table>

Project Description
The Sunset Drive Near Term project proposes to replace approximately 5,800 feet of 6-inch pipe and 600 feet of 8-inch pipe with 10-inch pipe and 12-inch pipe along Sunset Drive from Sunnyslope Road to Tiburon Drive. These pipe segments run 50% to 100% full during existing peak flow conditions. Although these pipes will receive future flow, the pipes will not need to be upsized further to accept future flow conditions since future pipe size recommendations are being used for this near term project.

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8571, and will need to be escalated to the year or years scheduled for the work.

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San Luis Obispo, CA
Near Term Project No. 10: Airport Lift Station Upgrade

City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☑ Existing Condition
☐ Future Condition

Jurisdiction
☑ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers 100%
New Development 0%

Project Components
☐ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 3 weeks

Project Need
☐ Insufficient capacity for existing flow
☐ Insufficient capacity for future flow
☐ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Description
The Airport Lift Station Near Term project proposes to install a blower and odor scrubber adjacent to the wet well to help prevent corrosion of the wet well, pumps, and piping. In addition, it is proposed to prepare a feasibility and cost analysis to determine if the Airport lift station could be upgraded in the future to bypass the GLP lift station and flow to the gravity collection system.

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Construction Cost $76,200</td>
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<td>Planning, Engineering, CM, Legal/Admin (40%) $30,480</td>
<td></td>
</tr>
<tr>
<td>Total Project Cost $106,680</td>
<td></td>
</tr>
</tbody>
</table>

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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San Luis Obispo, CA

Near Term Project No. 10: Airport Lift Station Upgrade
Long Term Project No. 1: Aerostar Way Sewer Pipe Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
- [ ] Existing Condition
- [x] Future Condition

Jurisdiction
- [x] City of Hollister
- [ ] San Benito County

Project Benefit
- Existing Customers: 0%
- New Development: 100%

Project Components
- [x] Upgrade Gravity Pipeline
- [ ] New Gravity Pipeline
- [ ] Upgrade Lift Station
- [ ] Upgrade Force Main
- [ ] Rehabilitation/Repair
- [ ] Inspection and/or analysis
- [ ] Replace Manhole

Project Scheduling
Est. Construction Duration: 8 weeks

Project Need
- [ ] Insufficient capacity for existing flow
- [x] Insufficient capacity for future flow
- [ ] Existing condition limits O&M
- [ ] Consolidate parallel sewer mains

Project Description
The Aerostar Way Long Term project proposes to replace approximately 1,900 feet of 12-inch pipe with 15-inch pipe on Aerostar Way from Airway Drive north to the airport. These pipe segments run 70% to 90% full during future peak flow conditions. This upgrade increases collection system capacity to serve future flow conditions within the project area.

Project Cost Breakdown
- Construction Cost: $418,000
- Planning, Engineering, CM, Legal/Admin (40%): $167,200
- Total Project Cost: $585,200

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

PREPARED BY:
Wallace Group
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San Luis Obispo, CA
Long Term Project No. 2: Hillcrest Road Sewer Pipe Upgrade

City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
- Existing Condition
- Future Condition

Jurisdiction
- City of Hollister
- San Benito County

Project Benefit
- Existing Customers: 0%
- New Development: 100%

Project Components
- Upgrade Gravity Pipeline
- New Gravity Pipeline
- Upgrade Lift Station
- Upgrade Force Main
- Rehabilitation/Repair
- Inspection and/or analysis
- Replace Manhole

Project Scheduling
Est. Construction Duration: 6 weeks

Project Need
- Insufficient capacity for existing flow
- Insufficient capacity for future flow
- Existing condition limits O&M
- Consolidate parallel sewer mains

Project Cost Breakdown
- Construction Cost\(^1\): $357,000
- Planning, Engineering, CM, Legal/Admin (40%): $142,800
- Total Project Cost: $499,800

Project Description
The Hillcrest Road Long Term project proposes to replace approximately 1,400 feet of 8-inch pipe with 10-inch pipe on Hillcrest Road from Memorial Drive to Busby Court. These pipe segments run 50% to 70% full during future peak flow conditions. This upgrade increases collection system capacity to serve future flow conditions within the project area.

---

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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Long Term Project No. 2: Hillcrest Road Sewer Pipe Upgrade
Long Term Project No. 3: Fallon Road Sewer Pipe Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☐ Existing Condition
☒ Future Condition

Jurisdiction
☒ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers 0%
New Development 100%

Project Components
☒ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 8 weeks

Project Need
☐ Insufficient capacity for existing flow
☒ Insufficient capacity for future flow
☐ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Description
The Fallon Road Long Term project proposes to replace approximately 2,200 feet of 10-inch pipe with 12-inch pipe on Fallon Road from Technology Drive to Shelton Drive. These pipe segments run 50% to 70% full during future peak flow conditions. This upgrade increases collection system capacity to serve future flow conditions within the project area.

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Cost¹</td>
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</tr>
<tr>
<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$233,200</td>
</tr>
<tr>
<td>Total Project Cost</td>
<td>$816,200</td>
</tr>
</tbody>
</table>

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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San Luis Obispo, CA

Long Term Project No. 3: Fallon Road Sewer Pipe Upgrade
Long Term Project No. 4: Kirk Patrick to GLP Sewer Pipe Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☐ Existing Condition
☒ Future Condition

Jurisdiction
☒ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers 0%
New Development 100%

Project Components
☒ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 20 weeks

Project Need
☒ Insufficient capacity for existing flow
☒ Insufficient capacity for future flow
☐ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Cost³</td>
<td>$881,500</td>
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<tr>
<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$352,600</td>
</tr>
<tr>
<td><strong>Total Project Cost</strong></td>
<td><strong>$1,234,100</strong></td>
</tr>
</tbody>
</table>

Project Description
The Kirk Patrick to GLP Lift Station Long Term project proposes to replace approximately 4,300 feet of 10-inch pipe with 12-inch pipe along Kirk Patrick from Chappell Road to GLP Lift Station. These pipe segments run 50% to 80% full during future peak flow conditions. This upgrade increases collection system capacity to serve future flow conditions within the project area.

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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San Luis Obispo, CA
Long Term Project No. 5: Line Street Sewer Pipe Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☐ Existing Condition
☐ Future Condition

Jurisdiction
☐ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers 0%
New Development 100%

Project Components
☐ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 12 weeks

Project Need
☐ Insufficient capacity for existing flow
☐ Insufficient capacity for future flow
☐ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Cost Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Cost</td>
<td>$1,105,000</td>
</tr>
<tr>
<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$442,000</td>
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<tr>
<td>Total Project Cost</td>
<td>$1,547,000</td>
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</tbody>
</table>

Project Description
The Line Street Long Term project proposes to replace approximately 3,400 feet of 15-inch pipe with 18-inch pipe on Nash Road from West Street to Homestead Avenue and Line Street from Peridot Court to 5th Street. These pipe segments run 50% to 80% full during future peak flow conditions. This upgrade increases collection system capacity to serve future flow conditions within the project area. It is recommended that Near Term Project No. 1: Line Street Sewer Pipe Upgrade be completed prior to the completion of this long term project.

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

PREPARED BY:
Wallace Group
www.wallacegroup.us
San Luis Obispo, CA
Long Term Project No. 6: Miller Road Sewer Pipe Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☐ Existing Condition
☒ Future Condition

Jurisdiction
☒ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers 0%
New Development 100%

Project Components
☒ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 2 weeks

Project Need
☐ Insufficient capacity for existing flow
☒ Insufficient capacity for future flow
☐ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Description
The Miller Road Long Term project proposes to replace approximately 300 feet of 8-inch pipe with 12-inch pipe from San Juan Road north on Miller Road. This pipe segment runs 65% full during future peak flow conditions. This upgrade increases collection system capacity to serve future flow conditions within the project area.

Project Cost Breakdown

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Construction Cost</td>
<td>$61,500</td>
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<tr>
<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$24,600</td>
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<tr>
<td><strong>Total Project Cost</strong></td>
<td><strong>$86,100</strong></td>
</tr>
</tbody>
</table>

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

PREPARED BY:
Wallace Group
www.wallacegroup.us
San Luis Obispo, CA

Long Term Project No. 6: Miller Road Sewer Pipe Upgrade
Long Term Project No. 7: San Juan Road Sewer Pipe Upgrade

Project Trigger
- ☑ Future Condition

Jurisdiction
- ☑ City of Hollister
- ☐ San Benito County

Project Benefit
- Existing Customers: 0%
- New Development: 100%

Project Components
- ☑ Upgrade Gravity Pipeline
- ☐ New Gravity Pipeline
- ☐ Upgrade Lift Station
- ☐ Upgrade Force Main
- ☐ Rehabilitation/Repair
- ☐ Inspection and/or analysis
- ☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 1 weeks

Project Need
- ☑ Insufficient capacity for future flow
- ☐ Insufficient capacity for existing flow
- ☐ Existing condition limits O&M
- ☐ Consolidate parallel sewer mains

Project Cost Breakdown
- Construction Cost: $12,000
- Planning, Engineering, CM, Legal/Admin (40%): $4,800
- Total Project Cost: $16,800

Project Description
The San Juan Road Long Term project proposes to replace approximately 30 feet of 27-inch pipe with 36-inch pipe on San Juan Road at Westside Boulevard. This is a short pipe segment that receives upstream flow from existing 27-inch and 36-inch pipes. This pipe segment runs at 85% full once all existing and future upstream improvements are in place.

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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San Luis Obispo, CA

Long Term Project No. 7: San Juan Road Sewer Pipe Upgrade
Long Term Project No. 8: Technology Parkway Sewer Pipe Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☐ Existing Condition
☐ Future Condition

Jurisdiction
☐ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers 0%
New Development 100%

Project Components
☐ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 3 weeks

Project Need
☐ Insufficient capacity for existing flow
☐ Insufficient capacity for future flow
☐ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Cost Breakdown
Construction Cost\(^1\) $143,500
Planning, Engineering, CM, Legal/Admin (40%) $57,400
Total Project Cost $200,900

Project Description
The Technology Parkway Long Term project proposes to replace approximately 700 feet of 10-inch pipe with 12-inch pipe at Technology Road. These pipe segments run 50% to 80% full during future peak flow conditions. This upgrade increases collection system capacity to serve future flow conditions within the project area.

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

PREPARED BY:
Wallace Group
www.walcbpgroup.us
San Luis Obispo, CA

Long Term Project No. 8: Technology Parkway Sewer Pipe Upgrade
Long Term Project No.9: Airport Lift Station Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☐ Existing Condition
☐ Future Condition

Jurisdiction
☐ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers 0%
New Development 100%

Project Components
☐ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☐ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 20 weeks

Project Need
☐ Insufficient capacity for existing flow
☐ Insufficient capacity for future flow
☐ Existing condition limits O&M
☐ Consolidate parallel sewer mains

Project Cost Breakdown
<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Construction Cost</td>
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<tr>
<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$216,000</td>
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<tr>
<td>Total Project Cost</td>
<td>$756,000</td>
</tr>
</tbody>
</table>

Project Description
The Airport Lift Station Long Term project proposes to replace the existing lift station with a new wet well and three new VFD operated submersible pumps capable of providing service for future flows. It is proposed to convert the existing wet well to emergency storage to help prevent sewer overflows. The installation of VFDs will minimize impact to the GLP Lift Station and downstream collection system due to potential increased flow from the Airport Lift Station.

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

Prepared By:
Wallace Group
www.wallacegroup.us
San Luis Obispo, CA

Long Term Project No.9: Airport Lift Station Upgrade
Long Term Project No. 10: GLP Lift Station Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
- Existing Condition
- Future Condition

Jurisdiction
- City of Hollister
- San Benito County

Project Benefit
- Existing Customers: 0%
- New Development: 100%

Project Components
- Upgrade Gravity Pipeline
- New Gravity Pipeline
- Upgrade Lift Station
- Upgrade Force Main
- Rehabilitation/Repair
- Inspection and/or analysis
- Replace Manhole

Project Scheduling
Est. Construction Duration: 24 weeks

Project Need
- Insufficient capacity for existing flow
- Insufficient capacity for future flow
- Existing condition limits O&M
- Consolidate parallel sewer mains

Project Cost Breakdown
- Construction Cost\(^1\): $600,000
- Planning, Engineering, CM, Legal/Admin (40%): $240,000
- Total Project Cost: $840,000

Project Description
The GLP Lift Station Long Term project proposes to upgrade the existing lift station with three new VFD operated submersible pumps capable of providing service for future flows. The installation of VFDs will minimize impact to the downstream collection system due to potential increased future flows.

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

PREPARED BY:
Wallace Group
www.wallacegroup.us
San Luis Obispo, CA
Long Term Project No. 11: 2nd and East Lift Station Upgrade
City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
☐ Existing Condition
☒ Future Condition

Jurisdiction
☐ City of Hollister
☐ San Benito County

Project Benefit
Existing Customers: 0%
New Development: 100%

Project Components
☐ Upgrade Gravity Pipeline
☐ New Gravity Pipeline
☒ Upgrade Lift Station
☐ Upgrade Force Main
☐ Rehabilitation/Repair
☐ Inspection and/or analysis
☐ Replace Manhole

Project Scheduling
Est. Construction Duration: 2 weeks

Project Description
The 2nd and East Lift Station Long Term project proposes to perform a pump test and physical evaluation of the lift station to monitor performance and capacity as future services contribute to this lift station. Project cost does not include any required upgrades or rehabilitation.

Project Need
☐ Insufficient capacity for existing flow
☐ Insufficient capacity for future flow
☐ Existing condition limits O&M
☒ Monitor capacity and performance

Project Cost Breakdown
<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Construction Cost</td>
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<tr>
<td>Planning, Engineering, CM, Legal/Admin (40%)</td>
<td>$2,600</td>
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<tr>
<td>Total Project Cost</td>
<td>$9,100</td>
</tr>
</tbody>
</table>

1. Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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San Luis Obispo, CA

Long Term Project No. 11: 2nd and East Lift Station Upgrade
Long Term Project No. 12: Cushman Street Sewer Pipe Upgrade

City of Hollister Capital Improvement Project Information Sheet
2010 Sanitary Sewer Collection System Master Plan

Project Trigger
- Existing Condition
- Future Condition

Jurisdiction
- City of Hollister
- San Benito County

Project Benefit
- Existing Customers 0%
- New Development 100%

Project Components
- Upgrade Gravity Pipeline
- New Gravity Pipeline
- Upgrade Lift Station
- Upgrade Force Main
- Rehabilitation/Repair
- Inspection and/or analysis
- Replace Manhole

Project Scheduling
Est. Construction Duration: 3 weeks

Project Need
- Insufficient capacity for existing flow
- Insufficient capacity for future flow
- Existing condition limits O&M
- Consolidate parallel sewer mains

Project Description
The Cushman Street Long Term project proposes to replace approximately 600 feet of 15-inch pipe with 18-inch pipe from Velado Street to Andrews Drive. With all existing and future improvement in place throughout the City, these pipe segments run 80% to 90% full during future peak flow conditions with the additional flow contributions from Ridgemark and Cielo Vista Estates. It is recommended that all downstream improvements are in place prior to the completion of this project. This upgrade increases collection system capacity to serve future flow conditions from Ridgemark and Cielo Vista Estates.

Project Cost Breakdown
- Construction Cost¹ $141,000
- Planning, Engineering, CM, Legal/Admin (40%) $56,400
- Total Project Cost $197,400

¹ Construction costs are expressed in Year 2010 dollars, using an ENR construction Cost Index of 8671, and will need to be escalated to the year or years scheduled for the work.

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Wallace Group
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San Luis Obispo, CA