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 <u>all</u> 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

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

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 7-1. City of Hollister CIP Ranking Matrix

Importance Factor	2	4	3	2	-			
	Overflow to Water Body of the State	Design Standard	Community impact	Maintenance Hot Spot	Cost	Impacted By Future Development		
Project Name	Yes - 10 No - 0	Meets Design Standard - 0 Doesn't Meet Design Standards - 2 Surcharging - 5 Overflowing - 10	< 1,000 - 0 1,001 to 5,000 - 5 >5,000 - 10	Not Critical - 0 Yearly Check - 5 Weekly or Monthly Checks - 10	<\$25,000 - 10 \$25,001 to \$100,000 - 5 >\$100,000 - 2	S Yes/No	Score	Ranking
							= Sum of Importance Factor X Points	
Bridge Hoad Interconnect	0	2	10	0	10	ON.	48	1
Powell Street Sewer Pipe Upgrade	0	vs	0	10	ઢ	Yes	42	2
West Street Sewer Pipe Upgrade	0	ເດ	0	10	ઢ	Yes	42	ю
Line Street Near Term Sewer Pipe Upgrade	0	2	10	0	2	ON	40	4
GLP Lift Station Upgrades Near Term	0	2	0	10	10	ON	38	so.
Nash Road Sewer Pipe Upgrade	0	r,	S	0	Ct.	Yes	25	9
Southside Lift Station Upgrades Near Term	0	8	0	10	ઢ	ON	30	7
2nd and East Lift Station Upgrades Near Term	0	0	0	10	10	o _X	30	80
Sunset Drive Sewer Pipe Upgrade	0	2	ç	0	5	Yes	25	ø
Airport Lift Station Upgrades Near Term	0	0	0	10	S	٥	25	0

CAPITAL IMPROVEMENT PROGRAM 7-4

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Table 7-2. City of Hollister Near Term Capital Improvement Program

Project \$	Title	Description	Quantity	Length (Ft)	Old Dismeter (in)	New Diameter (in)	Street	Location	Upstream Marvhole Number	Downstream Manhole Number	Uprade to Meet Future Needs"	Traffic Control	Construction Cost (\$)	an Cost	Subtotel (\$)	Total Project Cost (5)**
-	Bridge Road Interconnect	New Pipe	ı	30		12	Bridge Road	Northeast of Azul Court	WG549	549	Yaş	Light	\$250	5	\$7,500	\$10,500
	Powall Straet Sewer			900	9	10	Powell Street	From Wiebe Way to 7th Street	462	427	Yes	Light	\$195	5	\$156,000	\$218,400
P)	Pipe Upgrade	Mpe Upgrade	1	400	9	80	Powell Street	From Vali Way to Wiebe Way	459	462	Yes	Light	\$180	5	\$72,000	\$100,800
		Total	Total Pipe Length	1,200											Total	\$319,200
•	West Street Sewer	Pine Horade		900	9	g	West Street	From SMH 471 to 7th Street	471	428	Yes	Lgh.	\$18	r.	\$156,000	\$218,400
è	Pipe Upgrade	and the section of			9	6	West Street	From B Street to SMH 471	475	471	Yes	Light	\$180	LF.	\$268,000	\$403,200
		Total	Total Pipe Length	5,400											Total	\$621,600
-	Line Street Near Term Sewer Pipe Upgrado	Pipe Upgrade	1	3,000	15	81	Line Street	From Nash Road to Mica Court	274	414	Yes	Heavy	\$325	2	\$975,000	\$1,365,000
40	GLP LS Upgrades	Facility Upgrades	-	4.	1	Ĵ	Frontage Road	Frontage Road 1,500 lost north of McCloskay Road	ŧ	i	₩	Light	\$14,400	\$1	\$14,400	\$20,160
				1.000	12	5	Nash Road	From San Benito Street to Prune Street	568	11.2	Yes	Навиу	0925	5	\$280,000	\$392,000
40	Nash Road Sewer Pipe	Pine House	-)	2,700	12	g.	Tres Pinos Road	From Prune Street to Airline Highway	290	268	Yes	Heavy	\$280	7	\$756,000	\$1,056,400
	Upgrade			1,700	5	õ	Sunnyslope Road	From Alrline Highway to SNH 259	528	230	Yes	Heavy	2280	5	\$476,000	\$656,400
					60	12	Sunnyslope Road	From SMH 259 to Memorial Drive	245	259	Yes	Heavy	\$265	峼	\$106,000	\$148,400
		Total	Total Pipe Length	2,800											Total	¥2,265,200
7	Southeide LS Upgrades	Paclity Upgrades	-	1	1	ı	Southside Road	At the intersection of Southside Road and Enterprise Road	1	a.	Š	1	\$76,500	\$1	\$76,500	\$107,100
0	2nd and East LS	The state of the s		1	3		Coast Create	At the Commence of Control Con					2000	-	2000	0000
0	Upgrades	radiity upgrades					Cast saren	At the intersection of the Street and East Street			NO		002'./\$	2	PV. COU	310,080
				009	8	12	Memorial Drive	From Sunnyslope Road to Cedar Street	207	245	Yes	Heavy	\$265	1,6	\$159,000	\$222,600
				700	9	12	Cedar Street	From Memorial Drive to Iris Street	204	207	Yes	Heavy	\$256	5	\$185,500	\$259,700
				200	9	12	Iris Street	From Cedar Street to Valley View Road	202	204	Yeş	Heavy	\$226	3 1	\$132,500	\$185,500
æ	Sunsel Drive Sewar Pipe Upgrade	Pipe Upgrade	1)	909	9	12	Valley View Diive	From Iris Street to Sunset Drive	166	202	Yes	Heavy	\$265	4	\$212,000	\$296,600
				909	¢.	12	Sunset Drive	From Valley View Drive to SMH 190	190	961	Yes	Heavy	\$255	4	\$153,000	\$214,200
				1,900	¢.	10	Sunset Drive	From Valley View Orive to Ciera Vista Drive	197	190	Yes	Heavy	\$255	5	\$484,500	\$679,300
				1,300	۵	10	Clera Vista Drive	From Sunset Drive to Tiburon Drive	196	197	Yes	Heavy	\$255	F	\$331,500	\$464,100
		Total	Total Pipe Length 5,400	6,400											Total	\$2,321,200

CAPITAL IMPROVEMENT PROGRAM

Table 7-2. City of Hollister Near Term Capital Improvement Program

b	Title	Description	Quentity Length	(Ft)	Oid Diameter (in)	New Diameter (in)	Street	Location.	Lipstream Manhole Number	Upstream Manhole Downstream Manhole Upsade to Meer Traitic Construction Cost Sublotal Humber Humber Future Needs" Traitic Control (\$) (\$)	Uprade to Meer Future Needs"	Traffic Control	Construction Cost (\$)	Suthotal (5)	Total Project Cost (5)**
H	About LS Uporades	Facility Upgrades	-	;	ŀ	-	San Feitpe Road	At Hollister municipal airport		l x	No	X	\$76,200 LS	\$76,200	\$106,680
												The same of		The second line of the least	The state of the s

" 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

August 2010

Table 7-3. City of Hollister Long Term Capital Improvement Program

Project #	Title	Description	Quantity	Length (Ft)	Old Diameter (in)	New Diameter (in)	Street	Location	Upstream Manhole Number	Downstream Manhole Number	Traffic Control	Construction Cost (\$)	n Cost	Subtotal (\$)	Total Project Cost (\$)**
-	Aerostar Way Sewer Pipe Upgrade	Pipe Upgrade	1	1,900	27	51	Aerostar Way	From Airway Drive to SMH 503	494	503	Light	\$220	5	\$418,000	\$585,200
a	Hillcrest Road Sewer Pipe Upgrade	Pipe Upgrade	r	1,400	00	01	Hillcrest Road	From El Cerro Drive to Memorial Drive	335	330	Heavy	\$255	4	\$357,000	\$499,800
6	Fallon Road Sewer Pipe Upgrade	Pipe Upgrade	Ť.	2,200	10	ti.	Fallon Road	From Shelton Drive to Technology Parkway	485	480	Неачу	\$265	5	\$583,000	\$816,200
													1		
		Pipe Upgrade	7	1,600	10	51	Frontage Road	From McCloskey Road To GLP Lift Station	WG373	ST dT9	Light	\$205	5	\$328,000	\$459,200
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Pipe Upgrade	1	200	01	12	McCloskey Road	From McCloskey Road to Frontage Road	WG372	WG373	Light	\$205	5	\$102,500	\$143,500
*	NIIA Yautus to Gara	Pipe Upgrade	1	1,700	01	12	Kirk Patrick	From Chappel Road to McCloskey Road	525	WG372	Light	\$205	5	\$348,500	\$487,900
		Pipe Upgrade	¥	900	10	12	San Felipe Road	From SMH 524 to Chappell Road	524	525	Light	\$205	4	\$102,500	\$143,500
		Total	Total Pipe Length	4,300										Total	\$1,234,100
		Pipe Upgrade	1	1,600	51	81	Line Street	From Peridot Court to	414	406	Неам	\$325	5	\$520,000	\$728,000
ю	Line Street Long Term Sewer Pipe Upgrade	Pipe Upgrade	1	1,800	51	81	Nash Road	From West Street to Line SMH 274	281	274	Heavy	\$325	5	\$585,000	\$819,000
		Total	Total Pipe Length	3,400										Total	\$1,547,000
ω	Miller Road Sewer Pipe Upgrade	Pipe Upgrade	1	300	80	51	Miller Road	From Shelton Drive to Technology Parkway	485	480	Light	\$205	5	\$61,500	\$86,100
~	San Juan Road Sewer Pipe Upgrade	Pipe Upgrade	1	30	27	36	San Juan Road	At the intersection of Westside Boulevard	543	542	Heavy	\$400	F.	\$12,000	\$16,800

SSCSMP/Chapter 7 Project No. 1011-0001

Table 7-3. City of Hollister Long Term Capital Improvement Program

6 Technology Parkway From SMH 488 to SMH 486 510 Light \$205.00 LF \$143,500 \$200,900 9 Alport LS VFD Ligrade Facility Ligrades 1 - - - Frontage Road feat north of McCloskey - - Minimal Report LS VFD Light \$640,000 LS \$640,000	Project #	Title	Description	Quentity	Length (Ft)	Old Diameter (in)	New Diameter (in)	Street	Location	Upstream Manhole Number	Downstream Manhole Number	Traffic Control	Construction Cost (\$)	n Cost	Subtatal (\$)	Total Project Cost (\$)**
Aiport LS VFD Upgrades Facility Upgrades 1 -	8	Technology Parkway Sewer Pipe Upgrade	Pipe Upgrade	1	200	10	12	Technology Parkway	From SMH 488 to SMH 510	488	510	Light	\$205	LF	\$143,500	\$200,900
Aiport LS VFID Upgrades Facility Upgrades 1 -	1								1000							
Cushman Street Facility Upgrades 1 - - Frontage Road 1,500 hoad - - Light \$60,000 LS \$600,000 2nd and East LS Upgrades Facility Upgrades 1 - - Frontage Road 1,500 hoad - - Light \$600,000 LS \$600,000 2nd and East LS Upgrades Facility Upgrades 1 - - - East Street At the intersection of Street and East - - Light \$6,500 LS \$6,500 Cushman Street From Velado Street to Pipe Upgrade -	Ø1	Aiport I.S VFD Upgrade	Facility Upgrades	1	1	3	1	San Felipe Road	At Hollister municpal airport	i.	ı	Minimal	\$540,000	SI	\$540,000	\$756,000
Cushman Street Frontage Road In Sured Broad Light Frontage Road Intersection of Broad Light Frontage Road Intersection of McCloskey												4	-			
2nd and East LS Upgrades Facility Upgrades 1 East Street At the intersection of Upgrades At the intersection of Upgrade	5	GLP LS VFD Upgrade	Facility Upgrades	-	ı	î	ı	Frontage Road	Frontage Road 1,500 feet north of McCloskey Road	1	1	Light	\$600,000	S	\$600,000	\$840,000
2nd and East LS Upgrades Facility Upgrades 1 - - East Street 2nd Street and East - - Light \$6.500 LS \$6,500 Upgrades Cushman Street - 600 15 18 Cushman Street Andrews Drive 177 179 Light \$235 LF \$141,000												1				
Cushman Street Sewer Pipe Upgrade Pipe Upgrade - 600 15 18 Cushman Street Andrews Drive 177 179 Light \$235 LF \$141,000	Ξ	2nd and East LS Upgrades	Facility Upgrades	-	1	Ď	a	East Street	At the intersection of 2nd Street and East Street	Ť	1	Light	\$6,500	รา	\$6,500	\$9,100
Cushman Street Pipe Upgrade - 600 15 18 Cushman Street Andrews Drive 177 179 Light \$235 LF \$141,000																
	5	Cushman Street Sewer Pipe Upgrade	Pipe Upgrade	î	009	51	18	Cushman Street	From Velado Street to Andrews Drive	177	179	Light	\$235	LF	\$141,000	\$197,400
	No.	THE PERSON NAMED IN							The state of the s						THE PERSON NAMED IN	

** 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	THE RESERVE THE PARTY OF THE PA
Existing Condition	
Future Condition	
Jurisdiction	VERDE CIR
✓ City of Hollister	THE PARTY OF THE P
San Benito County	A STATE OF THE STA
Project Benefit	
Existing Customers 60%	
New Development 40%	BRIDGE RD 548
Project Components	lozv Vzini
Upgrade Gravity Pipeline	549
New Gravity Pipeline	SAN JUAN RD
Upgrade Lift Station	550
Upgrade Force Main	
Rehabilitation/Repair	THE PERSON NAMED IN COLUMN TO THE PE
Inspection and/or analysis	
Replace Manhole	Torond .
	Legend Sewar Pipe CIP
Project Scheduling	Collection System
Est. Construction Duration: 2 weeks	Sewer Manhota NTS
Project Need	Project Cost Breakdown
☐ Insufficient capacity for existing flow	Construction Cost ¹ \$7,500
□ Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%) \$3,000
☐ Existing condition limits O&M	Total Project Cost \$10,500
Consolidate parallel sewer mains	

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.



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	THE RESERVE OF THE RE	Holles Inc.
Existing Condition	426 7TH ST	Bridge of the
Future Condition	425 LONG AL	428
Jurisdiction	LONG AL	468
✓ City of Hollister		
San Benito County	SOUTH ST	Park In
Project Benefit	466	469
Existing Customers 95%	464	x 470
New Development 5%		
Project Components	WIEBE WY 2463 462	
Upgrade Gravity Pipeline		471
New Gravity Pipeline	• WALNUT LIN	
Upgrade Lift Station	461 460	
Upgrade Force Main		
Rehabilitation/Repair	459	472
Inspection and/or analysis	VALI WY CULCUM ST	200
Replace Manhole	Legend 6 468	TST
Project Scheduling	Sewer Pipe CIP Collection System: Sewer Manhote NTS	WEST
Est. Construction Duration: 6 weeks	457	
Project Need	Project Cost Breakdown	
Insufficient capacity for existing flow	Construction Cost ¹	\$228,000
$[\cdot]$ Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%)	\$91,200
Existing condition limits O&M	Total Project Cost	\$319,200
Consolidate parallel sewer mains		
Brainet Departution		

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.

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



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	427
Existing Condition	428 429 429
Future Condition	LONG AL
Jurisdiction	9 468 SWOPE AL
☑ City of Hollister	466 467 469 SOUTH ST
San Benito County	470
Project Benefit	464 GRUBB AL
Existing Customers 90%	WIEBE WY 463 462 €
New Development 10%	471
Project Components	WALNUT IN 461
Upgrade Gravity Pipeline	
New Gravity Pipeline	472 <u>iii</u>
Upgrade Lift Station	VALLIWY CULLUM ST W
Upgrade Force Main	458
Rehabilitation/Repair	
Inspection and/or analysis	GLENMODE LOS
[_] Replace Manhole	Legend
Project Scheduling	Sewer Pipe CIP Cotlection System Sewer Manhole NTS
Est. Construction Duration: 10 weeks	
Project Need	Project Cost Breakdown
Insufficient capacity for existing flow	Construction Cost ¹ \$444,000
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%) \$177,600

Project Description

Existing condition limits O&M

Consolidate parallel sewer mains

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.

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 **Total Project Cost**

\$621,600



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		WIEBE WY
 Existing Condition 	Transfer Comments of State of	WIEBE WY
Future Condition	data had the same of the same	ALNUT LN
Jurisdiction	STEINBECK/DR 423	
	MO NO	ALI WY
San Benito County	₩ ₩ ₩ 422	Marketon V B
Project Benefit	CANINERY ROW	
Existing Customers 70%	SS 421	, WE
New Development 30%	APRICOT LIN 50 421	Table of the last
Project Components Upgrade Gravity Pipeline	ර දිරි වූ 8 S	454 453
	CARMEN SON OR CT COMMENSTRAND A112 NEIT DK. WENT ON THE PROPERTY OF THE PROPER	元 等和区
Upgrade Lift Station	NEIL DR NEIL D	TS.
Upgrade Force Main	Co	PÔWELL
Rehabilitation/Repair		L C
☐ Inspection and/or analysis	Legend A NORD	8
Replace Manhole	Legend BRITTANY CIR	452
Project Scheduling	Collection System 272 273 274 275 276,277	451
Est. Construction Duration: 12 weeks	Sewer Manhole (NTS) NASH RD	278 279
Project Need	Project Cost Breakdown	
Insufficient capacity for existing flow	Construction Cost ¹	\$975,000
[7] Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%)	\$390,000
Existing condition limits O&M	Total Project Cost	\$1,365,000

Project Description

Consolidate parallel sewer mains

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.

PREPARED BY:

^{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. 5: GLP Lift Station Upgrade

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

Project Trigger	DESCRIPTION OF THE PROPERTY OF THE PERSON OF
Existing Condition	
Future Condition	
Jurisdiction	2
	FRONTAGE RD
San Benito County	FRON PERSON
Project Benefit	
Existing Customers 100%	THE REPORT OF LAND ASSESSMENT OF
New Development 0%	SAN FELIPE RD
Project Components	
Upgrade Gravity Pipeline	SAN SAN
New Gravity Pipeline	516
Upgrade Lift Station	The state of the s
Upgrade Force Main	THE RESIDENCE OF THE PERSON OF
Rehabilitation/Repair	THE PART OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER. THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
Inspection and/or analysis	多
Replace Manhole	Legend
Project Scheduling	Sewer Pipe CIP Collection System
Est. Construction Duration: 2 weeks	Sewer Manhole NTS
Project Need	Project Cost Breakdown
Insufficient capacity for existing flow	Construction Cost ¹ \$14,400
[] Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%) \$5,760
Existing condition limits O&M	Total Project Cost \$20,160
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.

^{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. 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 GIBSON DR BELOW LEF **Future Condition** Jurisdiction 271 270 267 City of Hollister TRES PINOS RD San Benito County ANDREWS DR **Project Benefit Existing Customers** 70% New Development 30% **Project Components** Upgrade Gravity Pipeline RIGHT **New Gravity Pipeline** ABOVE ! Upgrade Lift Station Upgrade Force Main Rehabilitation/Repair MATCHLINE / Inspection and/or analysis Replace Manhole Legend Sewer Pipe CIP **Project Scheduling** NTS Sewer Manhole Est. Construction Duration: 24 weeks **Project Need** Project Cost Breakdown Construction Cost¹ Insufficient capacity for existing flow \$1,618,000 Insufficient capacity for future flow Planning, Engineering, CM, Legal/Admin (40%) \$647,200 Existing condition limits O&M **Total Project Cost** \$2,265,200 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.

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



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	1000日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本	NAME AND ADDRESS OF
✓ Existing Condition	· · · · · · · · · · · · · · · · · · ·	* * * 1
☐ Future Condition	日本 日本 1	6 a 66
	品位 4 的 · · · · · · · · · · · · · · · · · ·	A To
Jurisdiction		T. E. E.
City of Hollister	· · · · · · · · · · · · · · · · · · ·	* 學級:
✓ San Benito County	(1) 10 10 10 10 10 10 10 10 10 10 10 10 10	100 5 50
Paris at Paris Et	经验证的	医髓 療 法
Project Benefit		C WIT COME
Existing Customers 100%	ENTERPRISE RD	
New Development 0%	一	1980
Project Components		1.73
Upgrade Gravity Pipeline	直升 一	F-100
New Gravity Pipeline	開発を表する。選手には、「10 1 10 1 10 10 10 10 10 10 10 10 10 10 	经验证 化
	图图解查 10 100mm 1219 图图 A 图像由 1 1	1 27 4 5 3
 ✓ Upgrade Lift Station ☐ Upgrade Force Main 	and the second s	他们的
	SOUTHSIDE RD	4 1
Rehabilitation/Repair	新	1 1 1 4 8
Inspection and/or analysis	9	學主學
Replace Manhole	Legend	
Project Scheduling	Sewer Pipe CIP Collection System	1 4
Est. Construction Duration: 3 weeks	Sewer Manhole NTS	0.2
Est. Constituction Duration. 3 weeks		25.75
Project Need	Project Cost Breakdown	
☐ Insufficient capacity for existing flow	Construction Cost ¹	\$76,500
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%)	\$30,600
✓ Existing condition limits O&M	Total Project Cost	\$107,100
Consolidate parallel sewer mains	•	•
_		
Project Description		
The Southeide Lift Station Moor Torm project	ct proposes to install a blower and oder combber adjacent to the w	est well to

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.

PREPARED BY:



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	CARRY SANT TRAINING TO A SECOND OF MARKET MA
Existing Condition	
Future Condition	
Jurisdiction	
☐ City of Hollister	EAS
San Benito County	
Project Benefit	378
Existing Customers 100%	1379
New Development 0%	180 2ND ST
	WG380
Project Components	一
Upgrade Gravity Pipeline	
New Gravity Pipeline	381 22
Upgrade Lift Station	
Upgrade Force Main	FURLONG AL
Rehabilitation/Repair	N S S N
☐ Inspection and/or analysis	
Replace Manhole	Legend
Brainst Cabradulina	Sewer Pipe CIP
Project Scheduling	Collection System Sewar Manhola NTS
Est. Construction Duration: 1 week	Sewer Manhole NTS
Project Need	Project Cost Breakdown
☐ Insufficient capacity for existing flow	Construction Cost ¹ \$7,200
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%) \$2,880
	Total Project Cost \$10,080
Consolidate parallel sewer mains	
Product Production	

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.



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	HILL THE PROPERTY OF THE PARTY	The Control of
Existing Condition	GREENWOOD CT MARILYNICT	是同意
Future Condition	245 258 KING CIR 249 250 251 252	Eda
Jurisdiction	209 SUNNYSLODE DO	255 256
✓ City of Hollister	207, 208 205 204 GABILAN DR	
San Benito County	CEDAR ST	
Project Benefit	206 IS 203 OAK ST 20 OAK S	T Section 1
Existing Customers 60%	JUNIPER DR E 202 201 200	WNDSOR
New Development 40%	TERRACE DR	
Project Components	ALERIGHT DR 188 189 190 191 192 193 194 195	
Upgrade Gravity Pipeline	SUNSET DE GLORIA DE	00
New Gravity Pipeline	WESTWARDIDR TO RAINBOW DR	562
Upgrade Lift Station		E 263
Upgrade Force Main	MESA DR MESA CT	3
Rehabilitation/Repair	MESA DR MESA CT	564
Inspection and/or analysis	CRESCENT LIN VALLEJO DR	198
Replace Manhole	RAMONA AV	7
	Legend Sewer Pipe CIP SCENIC CIR GHIONE DR	199
Project Scheduling	Collection System	医多种原数
Est. Construction Duration: 24 weeks	Sewer Manhole NTS RD HALE AV	A PARTY
Project Need	Project Cost Breakdown	
Insufficient capacity for existing flow	Construction Cost ¹	\$1,658,000
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%)	\$663,200
Existing condition limits O&M	Total Project Cost	\$2,321,200
Consolidate parallel sewer mains		, , ,

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 8671, and will need to be escalated to the year or years scheduled for the work.

PREPARED BY:



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	
San Benito County	
Project Benefit	The second secon
Existing Customers 100%	
New Development 0%	510
Project Components	3 /4 1
Upgrade Gravity Pipeline	507
New Gravity Pipeline	
√ Upgrade Lift Station	SAN FELIPE
Upgrade Force Main	
Rehabilitation/Repair	SAN FELIPE RO
✓ Inspection and/or analysis	
Replace Manhole	Legend
	Sewer Pipe CIP
Project Scheduling	Collection System
Est. Construction Duration: 3 weeks	Sewer Manhote NTS
Project Need	Project Cost Breakdown
Insufficient capacity for existing flow	Construction Cost ¹ \$76,200
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%) \$30,480
Existing condition limits O&M	Total Project Cost \$106,680
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.

^{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.



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	The state of the s	atter .
Existing Condition	504	A. C.
✓ Future Condition	503	11/1
Jurisdiction		
☑ City of Hollister	602	dille.
San Benito County	The second second second	
Project Benefit	601	
Existing Customers 0%		
New Development 100%	500	
Project Components	499	
✓ Upgrade Gravity Pipeline	498	
New Gravity Pipeline		William Co.
Upgrade Lift Station	493	514
Upgrade Force Main		Charles
Rehabilitation/Repair	AIRWAY OR	130
Inspection and/or analysis		
Replace Manhole	Legend A94	ALL THE
	— Sewer Pipe CIP	
Project Scheduling	Collection System Sewer Manhole NTS 495	
Est. Construction Duration: 8 weeks	The second secon	10 W 1 3
Project Need	Project Cost Breakdown	
☐ Insufficient capacity for existing flow	Construction Cost ¹	\$418,000
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%)	\$167,200
_ Existing condition limits O&M	Total Project Cost	\$585,200
Consolidate parallel sewer mains		
Project Description		

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.

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



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		N-catalogue a
Existing Condition		Towns of the
Future Condition	APPLE CT	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Jurisdiction City of Hollister San Benito County Project Benefit Existing Customers 0% New Development 100%	APPLE CT 330 HILLCREST RD 332	Φ 2.11
Project Components	332	333
☑ Upgrade Gravity Pipeline		15 81
	The state of the s	
Upgrade Lift Station	fig.	1-14
Upgrade Force Main	State of the state	
[] Rehabilitation/Repair	MEMORIAL DR	
Inspection and/or analysis	PHI DE LESS THE RESERVE THE PRINCIPLE OF	
Replace Manhole	Legend	100
Duration Calma distinct	Sewer Pipe CIP	SAL MENT BUT
Project Scheduling	Cottection System Sawer Manhole NTS	into the light
Est. Construction Duration: 6 weeks	4 -1 11 100 11 -1 11	THE REAL PROPERTY.
Project Need	Project Cost Breakdown	
Insufficient capacity for existing flow	Construction Cost ¹	\$357,000
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%)	\$142,800
Existing condition limits O&M	Total Project Cost	\$499,800
Consolidate parallel sewer mains		
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.



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	The state of the s	SA SA
Existing Condition	ROULO	NIA
Future Condition	The state of the s	ROSADR
Jurisdiction	P. P	7
City of Hollister	MA MINISTER CONTRACTOR	485
[] San Benito County	484	
Project Benefit	Se Control of the Con	
Existing Customers 0%		w C
New Development 100%	SA X ELLIPER R R S S S S S S S S S S S S S S S S S	HELTO
Project Components	482	OR OR
Upgrade Gravity Pipeline	481	
New Gravity Pipeline	Can a	
Upgrade Lift Station	& FALL	1 - 4
Upgrade Force Main	480 3	1
Rehabilitation/Repair	The state of the s	- America
Inspection and/or analysis		SILM BEST
Replace Manhole	Legend	E B
Project Scheduling	Sewer Pipe CIP Collection System	
Est. Construction Duration: 8 weeks	Sewer Manhole NTS	P. Brand
Project Need	Project Cost Breakdown	
Insufficient capacity for existing flow	Construction Cost ¹	\$583,000
Insufficient capacity for future flow		\$233,200
	Planning, Engineering, CM, Legal/Admin (40%)	
Existing condition limits O&M	Total Project Cost	\$816,200
Consolidate parallel sewer mains		
Busines Description		

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.

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



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		11 3 5 4 5
Existing Condition	The state of the s	THE REAL PROPERTY.
Future Condition	516	
Jurisdiction		Line In
☑ City of Hollister	g 517	42 miles
San Benito County		- Delet Est
Project Benefit	SAN FELIPE RO	
Existing Customers 0%		
New Development 100%	WRIGHT RD WG372	阿曼图
Project Components J Upgrade Gravity Pipeline	WG373 WG372 McCLOSKEY RD	
New Gravity Pipeline		
Upgrade Lift Station	WG370	
Upgrade Force Main		
Rehabilitation/Repair	WG369 WG369	The state of the s
Inspection and/or analysis	Mark the second	
[] Replace Manhole	Legend 525 368 367 CHAPPELL RO	
	Sewer Pipe CIP	
Project Scheduling	Collection System Support Municipal NTS State of Municipal NTS	18.0
Est. Construction Duration: 20 weeks	Sewer Manhole NTS	All Property
Project Need	Project Cost Breakdown	
Insufficient capacity for existing flow	Construction Cost ¹	\$881,500
[v] Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%)	\$352,600
Existing condition limits O&M	Total Project Cost	\$1,234,100
Consolidate parallel sewer mains		

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.

PREPARED BY:

Wallace Group



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	WILMA DR 405 406 437 438 00 BB/GCS W	1-14
Existing Condition	437 436 435 BRIGGS AL	加在工
	JAN AV - 60 - 5 - 438 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	STS TO
Jurisdiction	408 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	AL N
	S 0	¥428
San Benito County	412 3 413 LONG AL	468
Project Benefit	SOUTH ST 466 467 JACQUELINE DR	469 470
Existing Customers 0%	©3 WALNUT LN 460,461	471
New Development 100%	¥ 423	472
Project Components	755 ANNERY ROW 1797 A 1	473
Upgrade Gravity Pipeline	A C 400 474	X
New Gravity Pipeline	APRICOT EN	474
Upgrade Lift Station		
Upgrade Force Main	8	475
Rehabilitation/Repair	CST CST A17	REY
inspection and/or analysis		476 EN
Replace Manhole	Legend Pipe CIP 416 415 O 452 D CT.	
Project Scheduling	— Sewer Pipe CIP — Collection System Sewer Manhale NTS NASH RD NASH RD	477 478 281 282 263
Est. Construction Duration: 12 weeks	NASH RD	281 202 283
Project Need	Project Cost Breakdown	
☐ Insufficient capacity for existing flow	Construction Cost ¹ \$1	,105,000
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%) \$	442,000
Existing condition limits O&M	Total Project Cost \$1	,547,000

Project Description

Consolidate parallel sewer mains

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:



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	2
Existing Condition	MILLER RD
Future Condition	¥ 571
Jurisdiction	
☑j City of Hollister	A PARTY OF THE PAR
San Benito County	The state of the s
Project Benefit	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Existing Customers 0%	
New Development 100%	The state of the s
Project Components	
	9 1.46
	THE RESIDENCE OF THE PARTY OF T
New Gravity Pipeline	546
Upgrade Lift Station	WG537
Upgrade Force Main	533
Rehabilitation/Repair	537
inspection and/or analysis	SAN JUAN RD
Replace Manhole	Legend
	Sewer Pipe CIP
Project Scheduling	Collection System Sewer Manhote NTS
Est. Construction Duration: 2 weeks	Certo indinicise
Project Need	Project Cost Breakdown
Insufficient capacity for existing flow	Construction Cost ¹ \$61,500
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%) \$24,600
Existing condition limits O&M	Total Project Cost \$86,100
Consolidate parallel sewer mains	, , , , , , , , , , , , , , , , , , ,
1) Tanada parameter mane	

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.

^{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.



Long Term Project No. 7: San Juan 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	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Jurisdiction	WESTSIDE BLVD
	200
San Benito County	MA MARKET
Project Benefit	529,530
Existing Customers 0%	SAN JUAN RD
New Development 100%	JOHN JOAN RD
Project Components	542 543
Upgrade Gravity Pipeline	The same of the sa
New Gravity Pipeline	
Upgrade Lift Station	
Upgrade Force Main	
Rehabilitation/Repair	
Inspection and/or analysis	
Replace Manhole	Legend
Project Scheduling	Sewer Pipe CIP
Est. Construction Duration: 1 weeks	Collection System Sewer Manhole NTS
Project Need	Project Cost Breakdown
Insufficient capacity for existing flow	Construction Cost ¹ \$12,000
☑ Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%) \$4,800
■ Existing condition limits O&M	Total Project Cost \$16,800
Consolidate parallel sewer mains	
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 36inch pipes. This pipe segment runs at 85% full once all existing and future upstream improvements are in place.

PREPARED BY:

^{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.



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		į.
Existing Condition		
Future Condition		
Jurisdiction	The state of the s	
City of Hollister		
San Benito County	488	
Project Benefit		
Existing Customers 0%	THE RESERVE THE PROPERTY OF THE PARTY OF THE	
New Development 100%	A THE REPORT OF THE PERSON OF	
Project Components		
Upgrade Gravity Pipeline	A CONTRACTOR OF THE PARTY AND A STATE OF THE P	
New Gravity Pipeline	A second	
Upgrade Lift Station	AIRPORT LS	
_ Upgrade Force Main	609	
Rehabilitation/Repair	· (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	
☐ Inspection and/or analysis	SAN F	
Replace Manhole	Legend	1
	Sewer Pipe CIP	
Project Scheduling	Collection System	ĺ
Est. Construction Duration: 3 weeks	Sewer Manhole NTS 2	1
Project Need	Project Cost Breakdown	
Insufficient capacity for existing flow	Construction Cost ¹ \$143,500	_
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%) \$57,400	
Existing condition limits O&M	Total Project Cost \$200,900	ţ
Consolidate parallel sewer mains		

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:



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	TAXABLE IN THE TOTAL SERVICE SERVICE	
Existing Condition		
✓ Future Condition		
Jurisdiction		
☑ City of Hollister	APPLIES THE RESIDENT	
San Benito County		
Project Benefit		
Existing Customers 0%		1111111111
New Development 100%	510	A STATE OF THE PARTY OF THE PAR
Project Components		
Upgrade Gravity Pipeline	507	
New Gravity Pipeline		
✓ Upgrade Lift Station	SAN FELIPE RO	
Upgrade Force Main		
Rehabilitation/Repair	SAN FELIPE RO	
Inspection and/or analysis		
Replace Manhole	Legend	
Project Scheduling	Sewer Pipe CIP Callection System	400
Est. Construction Duration: 20 weeks	Sewer Manhole NTS	
	AND AND DESCRIPTION OF THE PARTY OF THE PART	
Project Need	Project Cost Breakdown	
Insufficient capacity for existing flow	Construction Cost ¹	\$540,000
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%)	\$216,000
Existing condition limits O&M	Total Project Cost	\$756,000
Consolidate parallel sewer mains		

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 submsersible pumps capable of providing service for future flows. It is proposed to convert the existing wet well would 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:



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	THE RESERVE OF THE PERSON OF T
Existing Condition	
্ৰ Future Condition	
Jurisdiction	FRONTAGE RD
	THE REPORT OF THE PERSON AND ASSESSMENT OF THE PERSON ASSESSMENT OF THE PERSON ASSESSMENT OF THE PERSON ASSESSMENT OF THE PERSON ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT AS
San Benito County	Page 1
Project Benefit	
Existing Customers 0%	
New Development 100%	요 요 614
Project Components	SAN FELIPE RD
Upgrade Gravity Pipeline	SAN
New Gravity Pipeline	515
Upgrade Lift Station	
Upgrade Force Main	THE REPORT OF THE PERSON NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PERSON NAMED A
_ · -	
Rehabilitation/Repair	
Inspection and/or analysis	
Replace Manhole	Legend
Project Scheduling	Sewer Pipe CIP Collection System
Est. Construction Duration: 24 weeks	Sewer Manhole NTS
Desired Manual	
Project Need	Project Cost Breakdown
. ☐ Insufficient capacity for existing flow	Construction Cost ¹ \$600,000
Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%) \$240,000
Existing condition limits O&M	Total Project Cost \$840,000
Consolidate parallel sewer mains	

Project Description

The GLP Lift Station Long Term project proposes to upgrade the existing lift station with three new VFD operated submsersible 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:



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	A SOLUTION OF THE SOLUTION OF	LOC JOS
Existing Condition		
✓ Future Condition		2 (E)
Jurisdiction	Every State of the	TODA
San Benito County	在在	No. of Street,
Project Benefit	378 ¥379	
Existing Customers 0%		All Indiana
New Development 100%	1 380 2ND ST	CHI CHI CHI
Project Components	WG380	
Upgrade Gravity Pipeline		A 10
New Gravity Pipeline	381	E 94
Upgrade Lift Station	CN TON	to
Upgrade Force Main	FURLONG AL	SALLYST
Rehabilitation/Repair		N N
Inspection and/or analysis	3. 1	
Replace Manhole	Legend	Pi -
Project Scheduling	Sewer Pipe CIP Collection System Sewer Manhole NTS	
Est. Construction Duration: 2 weeks	Sewes Marinole	
Project Need	Project Cost Breakdown	
Insufficient capacity for existing flow	Construction Cost ¹	\$6,500
☐ Insufficient capacity for future flow	Planning, Engineering, CM, Legal/Admin (40%)	\$2,600
Existing condition limits O&M	Total Project Cost	\$9,100
✓ Monitor capacity and performance		

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.

PREPARED BY:

Wallace Group

^{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.



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	
	NASH.RD 268 268 268 268 268 268 268 268 268 268
✓ Future Condition	NASH.RD 268 267 264 296
Jurisdiction	265 TRES,PINOS,RD 285
City of Hollister	
San Benito County	
Project Benefit	180 ANDREWS DR 179
Existing Customers 0%	5
New Development 100%	ОСОВНИМАН

Project Components	
Upgrade Gravity Pipeline	BUNDESON DR
New Gravity Pipeline	178
Upgrade Lift Station	
Upgrade Force Main	
Rehabilitation/Repair	
Inspection and/or analysis	
Replace Manhole	Legend
Project Scheduling	Sewer Pipe CIP Collection System Sawer Manhole NTS
Est. Construction Duration: 3 weeks	
Project Need	Project Cost Breakdown

Insufficient capacity for existing flow Insufficient capacity for future flow

Existing condition limits O&M

Consolidate parallel sewer mains

Construction Cost¹ \$141,000
Planning, Engineering, CM, Legal/Admin (40%) \$56,400

Total Project Cost \$197,400

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.

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