CITY OF HILLSBORO

Engineering and Public Works Departments

ANNUAL REPORT FISCAL YEAR 1994-95



November 1, 1995

Honorable Mayor Gordon Faber, City Council, City Manager and the Citizens of Hillsboro

Engineering and Public Works Department Staffs are pleased to present to you the 1994-95 Annual Report. The report contains statistical data concerning the construction of public facilities valued at over 9.4 million dollars, and maintenance of over 182 miles of sanitary sewer. 159 miles of water lines, 144 miles of streets (including signals and striping), and over 114 miles of storm sewer.

Respectfully submitted,

Roy Gibson, P.E.

Director of Public Works

Engineering	Public !	<u>Works</u>	Water		
Cyndi Andersen	Michael Bakkum	Phyllis Martindale	James Duffield		
John Barnes	Charles Bare	Janet McAlister	Joseph Ford		
John Burdett	Patrick Bauer	Owen Melley	Lester Ison		
Chuck Cummings	David Belt	Brian Parret	James Loney		
Michael Filicky	George Cartales	Norman Rebitzke	Matt Nussbuamer		
Mark Foucher	Ronald Church	Paul Rippenkroeger	George Savage		
Heather Gonsior	David Clark	Robert Sorenson	David Westby		
Mark Hamerl	Brad Eckland	David Taylor			
Ken Jackson	Richard Fletcher	Daniel Thomas			
Dan Kearn	Clarence Gladden				
Ellie McCallie	Greg Hayes				
Peter Neketin	Kenneth Herrick				
Annette Rice	Barry Keever				
Maria Schlangen	George Kneese				
Kevin Smith	Cynthia Jacobs				
Joe Thompson	David Lupro				

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I.

ENGINEERING DEPARTMENT

Organizational Structure Engineering

City Engineer: Roy Gibson

Project Coordinator:Joe Thompson

Administrative Secretary:

Annette Rice

Clerical Assistant:

Ellie McCallie

Design/Permits:

Heather Gonsior

Mark Hamerl

Kevin Smith

Survey/Records:

Peter Neketin

Cyndi Andersen

John Barnes

Michael Filicky

Maria Schlangen

Special Projects:

John Burdett (Temporary)

Inspections:

Dan Kearn

Mark Foucher

Ken Jackson

Chuck Cummings

SUMMARY OF PERSONNEL ACTIONS

Cyndi Andersen Engineering Aide Hired--Filled Position

Tisha Bryant Engineering Technician Terminated

John Burdett Project Coordinator Hired--Special Project

Chuck Cummings Inspector (Erosion Control) Transfer from Public Works

Mark Foucher Engineering Technician Promoted--Filled Position

Heather Gonsior Engineering Technician Hired--New Position

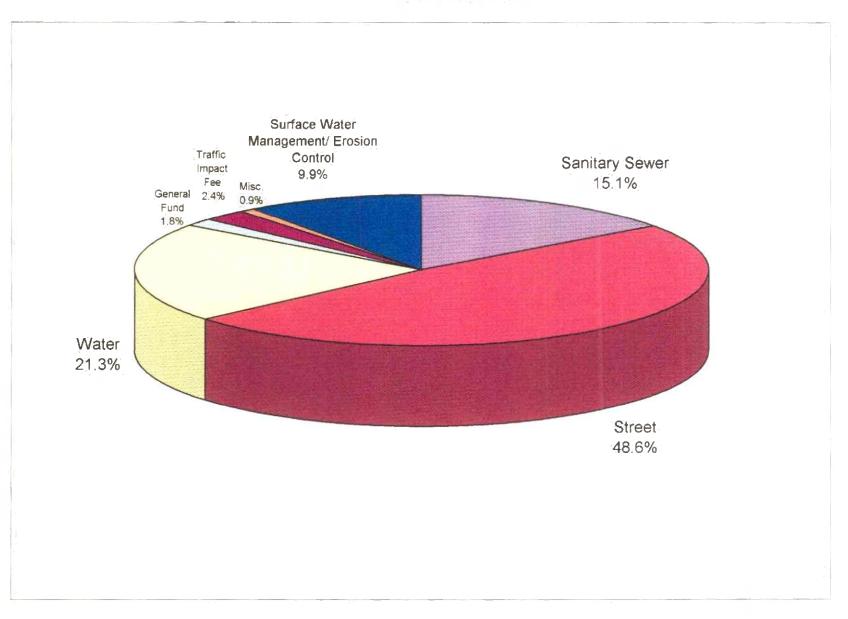
Ellie McCallie Clerical Assistant Hired--Filled Vacancy

Gil Rodriguez Engineering Technician Transferred to Light Rail

Kevin Smith Engineering Technician Promoted--Filled Position

ENGINEERING DEPARTMENT WORK FORCE DISTRIBUTION

FISCAL YEAR 1994-95



Comparison of Public Facilities Construction

Fiscal Year	Sanitary Sewer	Water Lines	Replacement Water Lines	Street/Storm Drainage	Street Maintenance*	Misc. Street**	TOTAL
1986-87	\$1,560,032	\$1,539,266	\$210,443	\$5,674,979			\$8,984,720
1987-88	\$716;689	\$194,103	\$119,250	\$2,412,301			\$3,442,343
1988-89	\$556,623	\$742,367	\$89,591	\$2,840,172			\$4,228,753
1989-90	\$744,338	\$686,602	\$149,044	\$4,635,733	\$317,989		\$6,533,706
1990-91	\$706,213	\$919,799	\$478,305	\$2,355,289	\$343,347		\$4,802,953
1991-92	\$457,829	\$279,178	\$539,736	\$1,158,021	\$330,550		\$2,765,314
1992-93	\$2,377,608	\$1,283,248	\$120 <u>,9</u> 67	\$4,055,972	\$329,005	\$418 <u>,</u> 152	\$8,584,952
1993-94	\$1,794,241	\$700,481	\$69,430	\$5,737,278	\$231,795	.\$55,000	\$8,588,225
1994-95	\$1, 2 01 <i>,</i> 652	\$966,089	\$112,674	\$3,685,552	\$359,624	\$3,142,604	\$9,468,195

^{*} no historical data until 1989

^{**} not historical data until 1992

SANITARY SEWER CONSTRUCTION AND REPLACEMENT July 1, 1994 to June 30, 1995

			Foo	tage i	nstalle	by siz	e)			
Project #	Project	8"	10"	12"	15"	18"	21"	24" or >	Manholes	Laterals	Cleanouts	Total Project Cost
21543	Blueberry Park	2,152							8	51	1	\$156,485
23590	Trimble Residence	389		1					3	3		\$23,800
23594	Hodges MLP	86							1	3		\$5,027
	Briarwood Park	424					l L	1	1	10		\$28,696
	Stewart's Place	1,450		1					7	20		\$30,700
24597	Ashland Park	2,079	i						13	51	2	\$122,290
24598	Candlewood Bluffs	1,533							11	35		\$77,009
24600	Comell Road	372							1	1		\$21,386
24602	Boni Run II	779				'			4	22		\$39,955
24603	Sunburst Meadows IV	2,060							13	34	2	\$47,470
24604	Evergreen Swale	332							3	4		\$29,795
24605	Borwick Meadows	1,955		1					11	59	2	\$120,052
24606	Jackson Meadows	444							4	9		\$28,941
24607	Tanasbourne South	438							2	2		\$24,307
24608	Lilac Park	88							1	4		\$8,621
24609	Highlands at D.C.	2,214						1	12	58		\$120,474
24610	AmberGien II	491		1	1		1	1	4	5	•	\$54,000
24611	Jackson Creek	804							6	22		\$50,877
24612	Frances Park	1,412				,	}		7	37		\$88,000
24613	Francis Meadows	804							3	19		\$38,925
24616	McCalib Ext.	115							1	2		\$4,800
24617	Jackson Green	375							3	7	1	\$13,384
24620	Walnut Creek Estates	2,135							9	39	2	\$6,000
24622	Litvin MLP	75								1	1	\$3,380
25624	Leachman Court	216							2	8:		\$16,897
25628	Haugland/Oelrich	348						1	4	5	1	\$10,264
25629	Blueberry Park II	450					<u> </u>	<u> </u>	1.	14		\$20,118
TOTALO		104.000		<u></u>					465			
TOTALS	·	24,020	0	0	0	0	0	0	135	525	12	\$1,201,652

CITY OF HILLSBORO SANITARY SEWER INVENTORY

CITY OWNED, MAINTAINED

	Total as of	Added to	Added to	Added to	Added to	Total as of
<u>PIPE SIZE</u>	<u>7/1/91</u>	7/1/92	<u>7/1/93</u>	7/1/94	7/1/95	7/1/95
8"	609,408	9,916	35,515	29,315	24,020	708,174
10"	79,132	- 218	1,641			80,555
12"	66,821	579	1,629	1,618		70,647
14"	1,858					1,858
15"	29,288					29,288
16"	790					790
18"	34,422					34,422
21"	8,222					8,222
SUB-TOTAL (fl)	829,941	10,277	38,785	30,933	24,020	933,956
(mi)	(157.5)	(3.0)	(7.4)	(5.9)	(4.6)	(177.2)
CITY INSTALLED, U	SA LINE					
24"	10,551					10,551
27"	3,888				-	3,888
30 "	12,468					12,468
4" pressure	560					560
SUB-TOTAL (ft)	27,467	·			4-4-	27,467
(mi)	(5.2)	***				(5.2)
TOTAL SEWER LI	NES UNDER (CITY IURIST	DICTION: (A.)			961,423
	01,201		(mi)			(182.4)
			(1111)			(102.7)

NOTE: U.S.A. Maintains Trunk Lines 24" and larger per City/USA agreement

WATERLINE CONSTRUCTION July 1, 1994 to June 30, 1995

				tage ins	talled b	y size	_	- -	Appı	irtenand	ces	
Project #	Project	4" or <	6"	8"	10"	12"	16"	18" or >	Hydrants	Valves	Services	Total Project Cost
	Blueberry Park		545	1,740					3	7	53	\$63,358
11739	Boni Run II	ĺ	310	375				Ī	1	3	22	\$27,532
13811	Trimble Residence		250						1	1	3	\$13,840
13814	Hodges MLP										3	\$650
14816	Stewart's Place	1		1,070			i		3	4	20	\$52,728
14819	Candlewood Bluff	228		971		1			3	4	35	\$72,550
14822	Briarwood Park		130	323					1	1	10	\$20,347
14824	Intel JF-3			90		300			1	3	i i	\$19,600
14825	Sunburst Meadows IV		205	1,039		719			4	12	34	\$37,415
14826	Borwick Meadows			1,135		1,450			3	12		\$52,238
14827	Jackson Meadows			470					1	1	11	\$18,793
14828	Lilac Park	91							'		4	\$3,438
14829	Highlands at D.C.	1		2,018					5	6	58	\$70,930
14830	43rd Avenue	!	1	587				\		4		\$17,161
14831	Evergreen/25th Ave.					3,841			8.	3	11	\$170,064
14832	Jackson Creek	1		1,185		·			3	6	,	\$41,285
14833	Frances Park			1,085	155				2	-6	-	\$46,000
14834	Francis Meadows	ļ		996					2	6		\$38,745
14838	Jackson Green		726						2	1	7	\$17,052
14841	Wash Co. Animal Shelter				1,300				4	5	1	\$75,450
14842	Knight Road	2,893			-					2	14	\$40,731
	Walnut Creek Estates	85		652				[2	3	39	\$37,232
15847	Leachman Court	111	88						1	1	8	\$ 9,966
15849	Blueberry Park II		360						1	1	14	\$12,984
	Spring Street Hydrant	<u> </u>	50						1	1		\$6,000
	<u> </u>							 _	<u>-</u> '!		<u> </u>	40,000
TOTALS		3,408	2,664	13,736	1,455	6,310	0	. 0	52	93	482	\$966,089

WATERLINE REPLACEMENT July 1, 1994 to June 30, 1995

		Footage installed by size							tenances		
Project # Project	4" or <	6"	8"	10"	12"	16"	18" or >	Hydrants	Valves	Services	Total Project Cost
84059 Dilly & Hiat Road	5,380								3	12	\$112,674
TOTALS	5,380	0	0	0	0	0	0	0	3	12	\$ 112,674

STREET AND STORM SEWER CONSTRUCION July 1, 1994 to June 30, 1995

					Footage	of storr	n sewe	r instal	ed by	size				
Project#	Project	Street*	Sidewalk*	Ramps*	10" or <	12"	15"	18"	21"	24" or >	Manholes	Inlets	Outfalls	Total Project Cost
61073	Blueberry Park	2,385	4,770			1,037	225	156	437		10	16		\$297,783
63126	Hodges MLP	30	150	\ \		47	\		Ì	1		1	ì	\$9,105
64130	Stewart's Place	1,100	2,200	4		430						3	1	\$121,510
64132	Ashiand Park	1,540	3,080	5	565	1,344				ł	9	14	1	\$330,070
64133	Candlewood Bluff	1,247	2,494	3		911					8	7	2	\$189,385
64136	Briarwood Park	407	814		510	65				273	4	2		\$62,092
64137	Boni Run II	450	1,400	4		57	1,218		,		3	7	\	\$145,530
64139	Sunburst Meadows IV	2,720	5,440			550		710		810	11	15	2	\$128,091
64140	Borwick Meadows	2,186	3,837	12		112	228	1,033	1		6	11	ļ	\$226,117
64141	Jackson Meadows	1	280]	27		388				3	2	ļ	\$83,569
64142	Tanasbourne South	1,770	1,340	4		1			ļ	2,276	11	6	ł	\$166,401
64143	Lilac Park	100	100	Į.	ļ	•	l l		ļ	Į.	Į.	!	Į	\$11,518
64144	Highlands at D.C.	2,600	4,700	5	286	1,147	264	94			11	16	<u> </u>	\$302,892
64145	AmberGlen II	3,679	7,358	10	282	1,141	712	115		782	13	17	2	\$783,550
64147	Frances Park	1,120	2,240	4		712	ł	321]		7	5	1	\$211,832
64148	Francis Meadows	1.054	1,978		114	656	53	132		ľ	4	7	1	\$135,290
64153	NE 43rd Avenue	335	670	1	ļ	l	l	ļ	Į .	ļ	Į.	l 1	ļ	\$34,716
64154	Walnut Creek Estates	825	1,650	4		846	200	1		180	5	5	2	
65158	Leachman Court	225	710			240						1	l	\$47,940
65160	Blueberry Park II	360	720	Į.				•	1					\$45,136
73027	Evergreen Swale				183			1		1,455	l в	5		\$173,763
	228th Storm	<u> </u>		<u> </u>		179	L	<u> </u>			<u></u>			\$7,500
TOTALS		24,133	45,931	64	1.967	9,474	3.288	2.561	437	5,776	113	141	12	\$3,685,552

^{*} linear feet

MISCELLANEOUS STREET CONSTRUCTION

Private Streets

Project #	Project	Linear Feet								
10/064146	710' 453' 600'									
	Other Projects									
Project #	<u>Project</u>	<u>Cost</u>								
10/054056 10/065135	SE Willow Drive Closure NW Cornell Road (189th to John Olsen Rd.)	\$ 30,924 \$ 2,061,680								

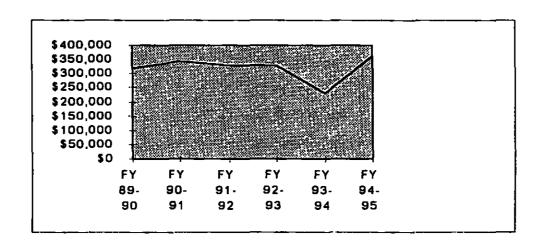
Intel JF-3 Improvements \$ 1,050,000

TOTAL: \$3,142,604

10/063127

STREET MAINTENANCE FUNDING HISTORY

	FY 89-90	FY 90-91	FY 91-92	<u>FY 92-93</u>	<u>FY 93-94</u>	<u>FY 94-95</u>
A.C. Overlay	\$ 279,717	\$ 264,497	\$ 197,414	\$ 84,863	\$ 147,079	\$ 268,060
Crack Seal	\$ 38,272	\$ 31,350	\$ 37,700	\$ 106,314	\$ 50,241	\$ 12,194
Slurry Seal	\$ -0-	\$ 47,500	\$ 69,582	\$ 117,816	\$ -0-	\$ 41,176
Chip Seal	\$ -0-	\$ -0-	\$ 25,860	\$ 20,012	\$ 34,475	\$ 38,194
TOTALS	\$ 317,989	\$ 343,347	\$ 330,556	\$ 329,005	\$ 231,795	\$ 359,624



MILEAGE OF ROADS UNDER MAINTENANCE RESPONSIBILITY OF THE CITY OF HILLSBORO

YEAR ENDING	TOTAL MILEAGE
December 31, 1983	115.18
December 31, 1984	115.34
December 31, 1985	117.53
December 31, 1986	118.87
December 31, 1987	123.74
December 31, 1988	126.11
December 31, 1989	128.81
December 31, 1990	131.28
December 31, 1991	133.71
December 31, 1992	137.36
December 31, 1993	140.01
December 31, 1994	144.50

ROAD CONDITION STATUS

December 31, 1994	Unimproved (Open for Travel)	0.00
December 31, 1994	Graded and Drained (Natural Surface)	0.00
December 31, 1994	Graded and Drained (Gravel)	6.77
December 31, 1994	Oil Mat	13.16
December 31, 1994	Asphalt Concrete	117.62
December 31, 1994	Concrete, Brick, Stone	6.95
December 31, 1994	Total Mileage	144.50

PUBLIC WORKS DEPARTMENT

ORGANIZATIONAL STRUCTURE PUBLIC WORKS

Public Works Director

Roy Gibson

Secretary
Phyllis Martindale

Clerical Assistant
Cindy Jacobs

Water Systems Maint.
Jim Duffield, Supv.

Joe Ford
Lester Ison
James Loney
Matt Nussbaumer
George Savage
Dave Westby

Sewer Systems Maint. George Kneese, Supv.

George Cartales
Clay Caudle
Clarence Gladden
Janet McAlister
Owen Melley
Robert Sorenson
Daniel Thomas

Mechanic Norm Rebitzke

Street Systems Maint. David Lupro, Supv.

Michael Bakkum
Charles Bare
Pat Bauer
Dave Belt
Curtis Chamberlain
David Clark
Richard Fletcher
Greg Hayes
Kenneth Herrick
Brian Parret
Paul Rippenkroeger

Traffic Systems Maint. Ron Church, Supv.

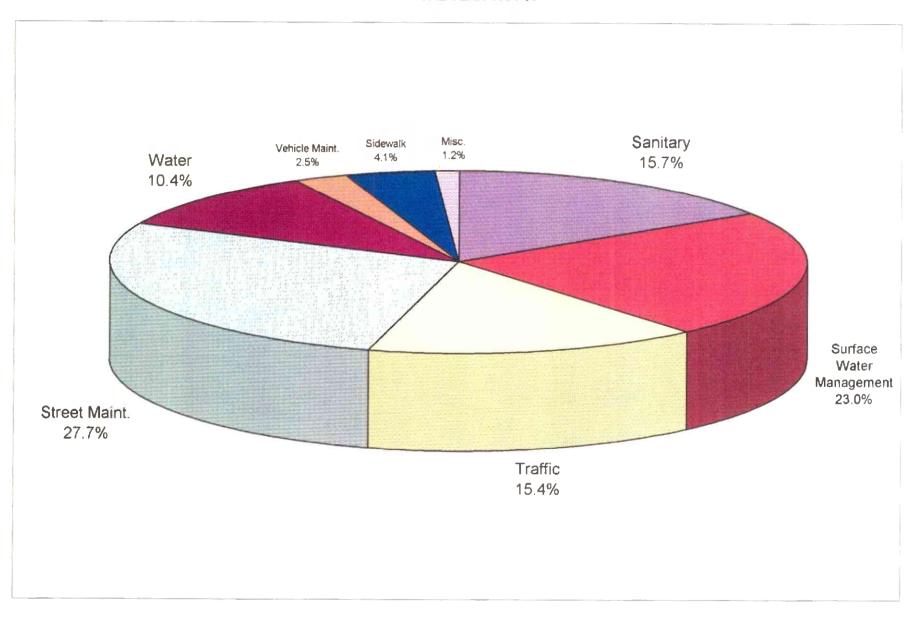
> Brad Eckland Barry Keever David Taylor

SUMMARY OF PERSONNEL ACTION:

Cindy Jacobs	Clerical Assistant	Hired to fill vacancy
Joe Ford	Utility Worker IA	Hired to fill vacancy
George Cartales	Utility Worker IA	Hired to fill vacancy
Clay Caudle	Utility Worker IA	Hired to fill vacancy
Kenneth Herrick	Utility Worker IA	Hired to fill vacancy
Owen Melley	Utility Worker IA	Hired to fill vacancy
Robert Sorenson	Utility Worker IA	Hired to fill vacancy
Mike Wallis	Utility Worker IA	Hired to fill vacancy
Mike Wallis	Utility Worker IA	Terminated
Chuck Cummings	Utility Worker II	Transferred to Engineering
Dave Westby	Utility Worker I	Transferred from Sidewalk to Water
Paul Rippenkroeger	Utility Worker I	Transferred from Sewer to Street

PUBLIC WORKS DEPARTMENT WORK FORCE DISTRIBUTION

FISCAL YEAR 1994-95



STREET DIVISION

The prime function of the Street Division is to maintain and clean over 140 miles of streets within the City.

The maintenance of the streets includes but is not limited to the following: sealing, patching, mowing, inlet cleaning, ditch and culvert cleaning, sanding, overlay, grading, rocking, vision clearance pruning and chipping, herbicide spraying, leaf pick-up, barricade maintenance and sweeping. In addition, this division takes care of problems that are unique in nature and do not logically fall into a specific category.

Activities:

	FY 1992 - 1993	FY 1993 - 1994	FY 1994 . 1995
Inlets cleaned (catch basins)	2,096	2,627	2,124
Sweeping miles*	9,900	9,415	10,150
Grading miles	12	9.5	7.5
Ditch cleaning (Ln. Ft.)	3,050	3,250	5,614
Vision clearance sites pruned, brush chipped (number of sites)		158	188
Herbicide applied (gallons)		2,014	653.5
Leaf pick-up (3 months)	City Wide Area Pickup	City Wide Area Pickup	City Wide Area Pickup
Hot patching (tons)	155	190	294
Misc. complaints	608	654	712

^{*}Downtown Area is swept weekly Entire City is swept monthly

TRAFFIC DIVISION

The prime function of this division is the installation and maintenance of all street name and traffic control signs, pavement striping and markings. The department also maintains traffic signals, trims trees and shrubs for vision clearance within the public right-of-way. This department also collects the parking meter fees and maintains the meters and City parking lot striping.

Activities:

	FY 1992 - 1993	FY 1993 - 1994	FY 1994- 1995
Signals & Signs			
Signal Service Calls (including bulb replacement)	387	339	493
Signs repaired	1,838	1,873	3,284
Signs installed (new) Neighborhood Watch signs	96 5	143 0	170 38
Painting			
Center Line - designated in feet	237,547	237,297	237,297
Fog Line - designated in feet	85,989	85,989	3,749
Curbs - designated in feet	7,962	6,615	3,924
Barrier Lines - 8" - designated in feet	7,267	4,772	718
No Parking Lines - designated in feet	4,111	6,811	1,286
Arrows, Handicaps, RR crossings, Stop bars, Parking stalls, and Crosswalks (each)	371	867	246

Traffic Division - Continued

	FY 1992 - 1993	FY 1993 - 1994	FY 1994- 1995
Thermoplastic			
8" Barrier Lines in feet	1,050	3,277	1,474
Arrows, Handicaps, R/R Crossings, Stop Bars, Parking Stalls, Crosswalks (each)	200	189	249
Pavement Marker Buttons Installed			
Reflective (each)	473	0	1,348
Vision Obstructions			
Trees and Bush Trimming for signs, signals, and intersection vision	299	189	519
Community Service			
Neighborhood Watch Program	5	0	38
Christmas Decorations - Installed & Removed	166 hrs	0	0
Air Show Signs	8	10	26 [.]
Farmers Market Banners - Storm Damaged - Emergency Removal (hrs)	9.5	0	0
Jackson Bottom Signs (person hours)	0	0	0
Misc. Investigations (I.V.'s)			_
Traffic Signs	135	89	180
R/R Crossings	0	1	0

Traffic Division - Continued

	FY 1992 - 1993	FY 1993 - 1994	FY 1994- 1995
Misc. I.V.'s (Cont.)			
Signals	204	212	243
Bike Lanes	0	3	5
Disabled Parking	0	2	0
Parking	0	0	0
Markings & Legends	12	55	41
Street Lights	25	6	23
New Ordinances	9	11	12
Intersection Vision	69	6	0
Sign & Signal Locates	77	45	101
Total Misc. I.V.'s	52 1	430	605
Parking			
Meters repaired	73	61	11
Meters removed	0	3	1
New meters installed	0	2	0
Collection - Parking Fees	36 hrs	35 hrs	38hrs

SANITARY SEWER AND SURFACE WATER MANAGEMENT DIVISION

The operation and maintenance of the sanitary sewer and storm sewer system are the prime functions of this division. The department cleans the underground mainlines, laterals and manholes with a pressurized cleaner truck on a scheduled maintenance program. The lines are also inspected with a T.V. inspection unit to determine the condition which allows us to prepare annual replacement and repair programs. This department also cleans driveway culverts and deep catch basins with the combination cleaner truck. Number of catch basins cleaned is listed with the Street Department.

Activities - Sanitary Sewer:

	FY 1992 - 1993	FY 1993 - 1994	FY 1994- 1995
Lines cleaned (Ln. Ft.) Includes cutting out roots	446,856	392,355	371,573
Lines scanned includes laterals (Ln. Ft.) Includes 1911-1936 Proj.	72,303	98,677	138,161
Scanned warranty lines	42,500	24,036	35,129
Lines treated (Ln. Ft.)	100	54	3,850
Smoke Tested 1911-1936 Basin - USA (Ln. Ft.)		83,200	12,100
Located & Raised manhole covers (each)	30	35	28
Replaced manhole covers - sealed & bolted	45	125	90
Up-sized sewer line from 8" to 10" (Ln. Ft.)	950'	0	0
Misc. Complaints	35	41	91
M/H IV'S			100

SANITARY SEWER AND SURFACE WATER MANAGEMENT DIVISION - Continued

Activities - SURFACE WATER MANAGEMENT

	FY 1992 - 1993	FY 1993 - 1994	FY 1994- 1995
Lines cleaned (Ln. Ft.)	58,342	118,518	148,272
Lines scanned T.V.'d (Ln. Ft.)	34,040	22,369	30,418
Scanned warranty lines (Ln. Ft.)		11,878	10,956
Lines repaired (Ln. Ft.)	120	0	420
Located & raised manhole covers, upgraded, repaired or bolted (each)	25	93	72
Lines treated (Ln.Ft.)		28	1,250
Manhole I.V.'s	100	20	75
Manholes vacuumed out with Guzzler	172	674	325
Culverts cleaned over 36" in diameter (Ln. Ft.)	2,575	0	2,250
Culverts cleaned under 36" in diameter (Ln. Ft.)	2,150	3,677	4,480
Misc. complaints	50	46	113
C/B'S Cleaned Guzzler	_		. 925

*WATER DIVISION

The Maintenance crew consists of one supervisor and six crew members. They accomplish new service installations, service repairs, meter maintenance, valve maintenance, line maintenance, hydrant maintenance and investigation of customer complaints. They also provide line locations for other utilities and contractors.

Activities:

	FY 1992- 1993	FY 1993- 1994	FY 1994- 1995
Line Locations	4,225	5,285	5,440
Line Repairs			
Service	565	411	440
Mainline	119	90	99
Transmission 18"	6	7	13
Investigations	111	103	112
New Services & Meters			
Services Installed	43	93	65
Meters Installed	460	614	575
Hydrants			
Services & Repaired	625	613	927
Installed	2	2	2
Blue Dots Installed	81	103	198
Meters Tested	10	N/A	N/A
Valves Located/Casings	414	91	429

^{*}This page of the Annual Report appears also in the Utilities Commission report. The resposibilities were shared between the two departments in FY 94-95. Next year the Source Operators and their report, as well as, the Water Division report will appear only in the Public Works Annual Report.

VEHICLE MAINTENANCE

It is the primary job of the mechanic to routinely service and maintain all sizes and classes of City vehicles for the following departments: Administration, Building, Development, Library, Park & Recreation, Planning, Police, Public Works, Water and Water Treatment. In addition, this division also performs the Department of Environmental Quality vehicle emission test for all City vehicles.

Activities:

	FY 1992 -	FY 1993 -	FY 1994-
	1993	1994	1995
Vehicles Serviced	671	686	713

CITY OF HILLSBORD ORGANIZATIONAL CHART

