

RESOLUTION NO. 1635

A RESOLUTION ADOPTING CAPITAL IMPROVEMENTS PLANS FOR WATER, SEWER, SURFACE WATER MANAGEMENT, TRANSPORTATION, AND PARKS AND RECREATION.

WHEREAS, various capital improvement plans have been completed by the City over the past several years, and have received City approval in various forms, and

WHEREAS, it is necessary for compliance with ORS 223.205 to 223.295 to "adopt" these capital improvement plans in order to expend funds collected as System Development Charges on or after July 1, 1991, and

WHEREAS, it is convenient to adopt all of these capital improvement plans in one action.

NOW THEREFORE BE IT RESOLVED BY THE HILLSBORO CITY COUNCIL THAT the capital improvement plans contained in or referenced in the attached Exhibits A and B are hereby adopted for purposes of identifying capital improvements for which costs can be included in establishing Systems Development Charge (SDC) fees which are effective on or after July 1, 1991, for which SDC funds collected on or after July 1, 1991 may be expended and for which SDC credits may be granted.

BE IT FURTHER RESOLVED THAT these capital improvement plans serve in addition to capital improvement plans identified in SDC ordinances adopted by the City or in SDC ordinances adopted by Washington County or by the Unified Sewerage Agency of Washington County and subsequently adopted by the City by reference.

Introduced and passed this 27th day of June, 1991.

Shirley Huffman
Mayor

ATTEST: Paul Wachtel
City Recorder

EXHIBIT A
CITY OF HILLSBORO
CAPITAL IMPROVEMENT PLAN

The following is intended as an interim revision of a five (5) year Capital Improvement Plan (CIP). The assignment was given to the respective department managers to be visionary, to look at least five years into the future and develop a needs and financing assessment which could be used as an additional guide to assist the City Council, management and budget committee in its deliberations, prioritization of available resources and possibly identify additional (alternate) sources of funding, needs to consider reorganization, consolidation, contracting services, as well as additional services and elimination of others.

The user of this document needs recall that the 1990 tax base proposal and council commitment assured no additional property tax raising issues would be necessary for at least four budget years ('90-91, '91-92, '92-93 and '93-94) for general operating purposes. This pledge did not preclude asking for bond issues or serial levies to fund specific projects or structures but the passage of Measure 5 in November of 1990 made the question of asking for more property tax dollars much less attractive even though a small amount of capacity may remain under the \$10 cap.

This plan will show you the perceived needs of the department managers and their ideas or plans of reliance upon resources to fund their prioritized needs. Keep in mind that the growth rate, in dollars, of the tax base is estimated to be slightly less than 3% annually as applied to the needs of the general fund, i.e. any time the combination of growth in the number of people served and inflation exceeds 3%, then the ability to traditionally finance is deteriorated - (this is slightly impacted by annexations which bring in their own pro rata tax base.)

One area, which would make a great beneficial difference would be if the legislature referred to the people, and the people approved, a constitutional amendment to permit new construction to be added to the tax base pro rata (the same as annexed values). Such an amendment would have added some \$300,000 to the base had it been in place for 1990-91 fiscal year or 1990 calendar year.

The City of Hillsboro hereby adopts the following Capital Improvement Plan:

This plan is in addition to any presently adopted CIP identified in System Development Charge (SDC) ordinances of the City, applicable SDC ordinances of Washington County or the Unified Sewerage Agency of Washington County, these which may have been adopted by reference.

<u>Finance Department</u>			<u>1991 Cost</u>	<u>Source of \$'s</u>
<u>Priority</u>	<u>Year</u>	<u>Description</u>		
No. 1	1991-92	Replace Accounts Payable PC (Age: 7 years)	1,800	General, Street
No. 2	1991-92	Add two file cabinets	800	Sanitary Sewer, Water,
No. 3	1991-92	Replace Accounting Assistant PC (Age: 6 years)	1,800	SWM budgeted CO
No. 4	1991-92	Upgrade Assistant Finance Director's PC Memory	200	"
No. 5	1991-92	Port/Communications board for mini-computer	1,500	"
No. 6	1992-93	Faster printer, bar code reader (Questionable if new computer facilities are in the works.)	8,000	"
		Replacement of 1-3 PCs as it becomes necessary; perhaps 1993-94 and each of two fiscal years thereafter	5,400	"
A new computer system (software and hardware) capable of serving more than just the finance office that offers integrated systems, flexibility and sophistication that the City might find necessary within 5 years				
		Estimated Cost	100,000	"

Police Department

A decision must be made on "how long" the Police Department will be scheduled to remain in the current structure. If that decision is not more than "five (5) years" we would propose minor renovation project for selected parts of the building. Current costs for major renovation are running \$25 to \$35 per foot.

If the Police, Fire and Court will remain where it is for greater than five (5) years, we propose a major renovation and upgrade.

New Structure - Hillsboro Police Department

Priority #1 - Build new Police Department Building at location along NE Cornell Road near Brookwood Parkway on one to two acre site containing a 2 story 15,000 to 18,000 sq. ft. building; two satellite buildings adjacent to the main building; secure parking area with separate fenced section for seized/stored vehicles.

	One acre land - \$130,000	
	Main building - \$1,900,000	
	Range building - \$85,000	
	Storage Facility - \$40,000	
	<u>Contingency - \$200,000</u>	
1992-93/93-94	Total estimated - \$2,355,000	Bond Issue or Serial Levy

Alternative: Renovation

<u>Priority</u>	<u>Year</u>	<u>Description</u>	<u>1991 Cost</u>	<u>Source of \$'s</u>
1.	1991-92	Replace existing HVAC -	110,000a	General Fund
2.	1992-93	Install elevator	110,000a	General Fund
3.	1991-92	Install sprinkler system	40,000a	General Fund
4.	1992-93	Install alarm system	16,500a	General Fund
5.	1993-94	Renovation @ \$35 sf	462,000a	General Fund
6.	1991-92	Install Awnings	2,750a	General Fund
a - includes 10% contingency				

Fire Department

New Structure

1992-93	The Ronler Acres fire station is a joint project between the Hillsboro Economic Development Commission and the City of Hillsboro. Funds currently exist in the 10 year serial levy for approximately \$350,000.00, while the Ronler Acres project has designated approximately \$250,000.00. The completion of this station will satisfy an existing intergovernmental agreement between the City of Hillsboro and Washington Co. Fire Dist. No. 2.	350,000 250,000	General Fund Urban Renewal
1994-95	The downtown fire station has been targeted as needing replacement. Its poor response location, combined with deteriorating structural aspects, requires replacement relatively quickly. These monies are proposed in part to be generated from funds already allocated to communications equipment in the 10 year fire/police capital levy. These monies have been duplicated because of the successful 9-1-1 levy passage. An emphasis should be placed on this project, in light of the possible structural failure of the building in the event of a significant earthquake. The location of this facility has not been determined, however, current thinking would place it on City owned property fronting First Avenue.	2,250,000	General Fund Bonds

1991-92/92-93

Building Department

Computer System

General Fund

PC System

\$ 35,000 or

Join County Network

50,000

Parks and Recreation Department

Priority	Project	Cost Estimate	1991-92 Year 1	1992-93 Year 2	1993-94 Year 3	1994-95 Year 4	1995-96 Year 5	Funding
			(1)					
1	Hamby Park (dev.)	50,000	50,000					SDC/LWC
2	Turner Creek Park (dev.)	75,000	75,000					SDC
3	Ronler Acres Park (dev.)	2,500,000	150,000	2,000,000	350,000			UR
4	Neighborhood Park (acq./dev.)	200,000	200,000					ROW
5	Sewer Plant (Park dev.)	175,000	25,000	150,000				SDC
6	Bicentennial Park (playground)	25,000	25,000					GF
7	Fairgrounds Shelter (const.)	25,000	25,000					GF
8	Maintenance Bldg (const.)	200,000		200,000				GF
9	Walnut Creek Park (acq./dev.)	224,000		80,000	144,000			GF/CDBG
10	Dairy Creek Park (dev.)	50,000		50,000				SDC
11	Rock Creek Park (dev.)	100,000			100,000			SDC
12	Shadywood Park Shelter (const.)	25,000			25,000			GF
13	Neighborhood Park (acq./dev.)	200,000				200,000		SDC
14	Community Center (expansion)	100,000				100,000		GF
15	Bicentennial Park (dev.)	30,000					30,000	GF
16	Shute Park Stage Roof (const.)	25,000					25,000	GF
17	Neighborhood Park (acq./dev.)	<u>175,000</u>					<u>175,000</u>	SDC
	Totals	4,179,000	550,000	2,480,000	619,000	300,000	230,000	

ABBR.:

NOTES:

SDC	System Development Charge (Parks)	1	SDC 25,000; LWCF 25,000
LWCF	Land and Water Conservation Fund	2	90-91 (60,000); 91-92 (70,000); 92-92 (70,000)
ROW	Right of Way Funds (TV Hwy)	3	Acq. GF 50,000; CDBG 30,000
GF	General Fund	4	Dev. GF 65,000; CDBG 79,000
CDBG	Community Development Block Grant		
UR	Urban Renewal		

Library

Hillsboro Main Library

1991-92	Specific miscellaneous items from Library		General Fund
	C.O. Budget requests	\$ 105,200	
1992-93	Computer Equipment	35,000	Gen. Fund & WCCLS
1993-94	Carpet Replacement	25,000	Gen. Fund & WCCLS
1994-95	Rewiring electrical circuits	20,000	Gen. Fund & WCCLS
1995-96	Misc. General Fund items	10,000	Gen. Fund & WCCLS
1996-97	New Library (60,000 sq. ft. bldg)	6,000,000	Downtown UR or Bond Issue

Tanasbourne Branch Library

1991-92	Move into new 10,000 sq. ft. space (2nd move costs)	75,000	Gen. Fund & WCCLS
	Specific misc. items from Co. Budget Requests	98,450	Gen. Fund & WCCLS
1992-93	Computer Equipment	58,000	Gen. Fund & WCCLS
1993-94	InFo Trak Mag Index	8,000	Gen. Fund & WCCLS
1994-95	Miscellaneous General Fund items	10,000	Gen. Fund & WCCLS
1995-96	Miscellaneous General Fund items	10,000	Gen. Fund & WCCLS

Street Fund

<u>Priority</u>	<u>Project</u>		<u>Funding</u>
1 91-92	Maintenance Program contract 91-92	\$500,000	Street (Gas Tax)
2	Public Works Bldg and site improvements; design		
	- construct 91-92	\$100,000	Street
3	Bikeways Jackson School Rd design - construct 91-92	50,000	Gas tax - MSTIP \$15,000 - \$35,000
4a	Upgrade 11 signals Oak & Baseline ODOT 91-92 Project (City match)	\$35,000	Street/State
4b	28th & Grant intx & curb realignment design		
	construct 91-92	50,000	Street/SDC
5	92-93 Maintenance Program contract 92-93	\$500,000	Gas Tax
6	Signalize 1st & Washington, 1st & Lincoln, design - construct 92-93	\$250,000	SDC/TIF
7	Bikeways, Glencoe Road, design - construct 92-93	\$20,000	Gas Tax
8	93-94 Maintenance Program - contract 93-94,	\$500,000	Gas Tax
9	Reconstruct 5th Ave. Main - Edison, design - construct 93-94	\$250,000	Gas Tax/TIF
10	Construct westerly 2 lanes Brookwood Parkway, Airport to Cornell, design - construct 93-94	\$500,000	TIF
11	94-95 Maintenance Program, contract 94-95	\$500,000	Gas Tax
12	N.E. 28th Ave. reconstruct E. Main to Grant, design - construct 92-93	\$750,000/ 1,000,000	LID, Street Water, SDC, TIF
13	E. Main 10th Ave. east to Brookwood Ave., est. project date design 94-95 construct 95-96		MSTIP II
14	95-96 Maintenance Program - contract 95-96	\$500,000	Gas Tax
15	Bikeways, design - construct 95-96	\$30,000	Gas Tax
16	Brookwood Parkway, Cornell Rd - E. Main St., design 93-94	\$250,000	Street, TIF
17	Traffic signals 24 & Brookwood at Main Street, design - construct 95-96, coordinate of E. Main St. Imp.	\$250,000	TIF
18	Brookwood Pkwy, Cornell Rd-East Main-1994-95	\$1,350,000	TIF

Storm Sewer/Surface Water Fund

<u>Priority</u>	<u>Project</u>	<u>Funding</u>
1	Construct structure at Juncture of storm lines on Cornell/ Glencoe Rd. system (a), design - construct 91-92 \$20,000	Storm SDC
	Building & Site Improvements at Public Works pro-rate cost with other utilities, design - construct 91-92 \$50,000	S.W.M. Fees
2	Construct 15" line and ditch inlets on Brookwood:(a) Drake to 200 ft. north of T.V. Hwy, FY 91-92 \$37,500	Storm SDC
3	Construct inlets in ditch N.E. Brogden, design - construct FY 91-92 \$5,000	S.W.M. Const./Maint.
4	Construct additional 30" culvert under Bentley Rd. - construct FY 91-92 (a) \$15,000	Storm SDC
5	Upsize outfall at area S. of S.W. Maple St. & under S.P.R.R. (a) construct 92-93 \$90,000	Storm SDC
6	Construct 24" outfall 43rd & Wyandwood (a), design 92-93, \$6,500 construct 93-94 \$45,000	Storm SDC
7	Construct storm line from 10th Darnielle to Hornecker Rd. outfall, design 93-94 \$15,000 construct 94-95 \$120,000	Storm SDC
8	Construct 18" storm sewer S. of Evergreen & W. of Jackson School Rd. (a), design - construct 94-95 \$90,000	Storm SDC
9	Upgrade to 36" storm sewer outfall S. of SE 6th Ave. (a), FY 94-95 \$25,000 construct FY 95-96 \$225,000	Storm SDC Storm SDC
10	Develop facilities associated with regional water quality - quality improvements FY 91-92 to 95-96, develop strategy, locate sites 91-92/92-93, acquire sites 93-94/94-95, begin development 95-96 as funds allow and as collected	Storm Water Quality - Quality Fees

(a) = per Master Plan

Sewer Fund

<u>Priority</u>	<u>Project</u>	<u>Funding</u>
1	S.W. Johnson Extension to vicinity 229th Phase I (authorized) design - construct 91-92 \$65,000	Sewer/SDC
2	I & I Investigation, 91-92 \$65,000	Sewer
3	Public Works Building & site improvements, design - construct 91-92 \$100,000	Sewer
4	S.W. 231st trunk to Borwick, design - construct 91-92 \$60,000	Sewer/SDC
5	S.W. Johnson 229th to 224th Phase II, design - construct 92-93 \$160,000	Sewer/L.I.D.
6	Upgrade 10" to 12" Main St., Dennis to Adams per M.P., design - construct 92-93 \$65,000	Sewer/SDC
7	Upgrade 10" to 12" Adams, Dennis to Lincoln per M.P., design - construct 92-93 \$35,000	Sewer/SDC
8	Annual Sewer Rehabilitation & repairs as determined by I & I evaluation & T.V., FY 92-93 to 95-96, budget \$200,000 to \$375,000 annually	Sewer Funded Dep.
9	Upgrade 12" to 15" Baldwin Jackson Sch. to 9th per M.P., design - construct 93-94 \$90,000	Sewer/SDC
10	Upgrade 10" to 15" N.E. 9th Baldwin to Sunrise per M.P., design construct 93-94 \$90,000	Sewer/SDC
11	Upgrade 10" to 12" Sunrise 9th to 12th per M.P., design - construct 93-94 \$85,000	Sewer/SDC

12	Upgrade 10" to 12" Sunrise 12th to 15th per M.P., design - construct 93-94	\$70,000	Sewer/SDC
13	Upgrade 15" to 18" S. of Mgde. adj the STP 2nd Ave. east to 4th per M.P. design - construct 93-94	\$75,000	Sewer/SDC
14	Upgrade 12" to 15" Hillsboro West STP west to Dennis N. to Cedar per M.P., design - construct 94-95	\$200,000	Sewer/SDC
15	Upgrade Maple Street 15" to 18" 4th to 9th per M.P., design - construct 94-95	\$235,000	Sewer/SDC
16	Upgrade 18" to 24" trunk sewer to 24th Ave. per M.P., design 94-95	\$35,000	Sewer/SDC
	construct 95-96	\$475,000	Sewer/SDC
17	Upgrade 18" to 24" 24th Ave. to Basin 156 per M.P., design 94-95	\$20,000	Sewer/SDC
	const. (beyond 95-96)	\$200,000	Sewer/SDC
18	Upgrade 15" to 24" Basin 156 to E. Main per M.P., design 4-95	\$10,000	Sewer/SDC
	(beyond 95-96)	\$75,000	Sewer/SDC
19	Upgrade 15" to 21" N.E. 18th Ave. to E. Main St. per M.P., design 94-95	\$5,000	Sewer/SDC
	construct (beyond 95-96)	\$50,000	Sewer/SDC
20	Evergreen Road Extension N.E. 25th to E. of Port of Portland, design - construct 95-96	\$400,000	Developer/SDC
as warr.	S.W. Frances St. Extension design - construct 94-95	\$250,000	Developer or L.I.D.
as warr.	Jay Kay Park Sewer Exten., design - construct 93-94	\$150,000	L.I.D.

Water Fund

<u>Priority</u>	<u>Project</u>		<u>Funding</u>
1	Misc. Waterline Replacements replacing unserviceable steel lines <u>annual</u> program	\$35,000 \$150,000	Water Fund Funded Dep. \$115,000
2	Cherry Grove Phase II line replacement, design - construct 91-92		\$20,000, Water Fund (authorized) \$90,000 Funded Dep.
3	Minter Bridge - Morgan Rd 12" extension per Master Plan, design - construct 91-92	\$105,000	Water Fund/SDC
4	Cherry Grove Phase III line replacement design - construct 92-9	\$10,000 \$50,000	Water Fund \$40,000 Fund Dep.
5	S.W. Frances St. extension 10" line tie into Lexington Village, design - construct 92-93	\$120,000	L.I.D./SDC/Water
6	231st Ave. connection Oelrich to Toshiba, 16" line, design - construct 92-93	\$175,000	SDC/Developer
7	Evergreen Rd 12" extension, Jackson School Road to Sunburst Meadows, design -- construct 92-93	\$80,000	Water Fund/SDC/LID
8	S.W. Johnson St. Waterline 219th to Lexington Village 10" extension, design -- construct 93-94	\$80,000	Water Fund/SDC
9	Glencoe Road, Lennox to Evergreen - Evergreen to Sunburst Meadows, 12" extension per Master Plan, design - construct 93-94	\$225,000	Water Fund/SDC Possible Developer L.I.D./Water Fund/ Developer/SDC
10	Lois Ave. 10" or 12" water line extension east of 231st Ave., design - construct 93-94	\$120,000	Water Fund/SDC/ - Developer
11	12" line extension in Evergreen Road Jackson School (north leg) east to 25th Ave. per Master Plan, design construct 94-95	\$160,000	

12	18" T.V. Hwy Replacement Cornelius to Hillsboro design 94-95 construct 95-96	\$100,000 \$1,400,000	Water Fund for oversized/funded deprec. - size not known min. 18"
1-B	Treatment Plant Expansion - 1991-92, Cost Est.	\$2,000,000	SDC
2-B	Cherry Grove - Slow Sand Filter - 1991-92, Est.	\$1,700,000	Fund Revenues C.G. Customer Surcharges
3-B	Expand Public Works Building, Est. Cost \$350,000 Contract/Construct - 1991-92, Est. Cost	\$100,000	Fund Revenues (\$250,000 Street and Sewer Funds Hillsboro Portion \$4,250,000 SDC Fund Reserves
4-B	Raw Water Pipeline - Scoggin to T.P., Est. Design - 1991-92, Acquire R/W - 1991-93, Contract/ Construct 1992-94	\$8,500,000	Hillsboro Portion \$2,000,000 SDC
5-B	20 MG Storage Reservoir Design 1995, Est. Contract/Construct - 1996	\$4,000,000	Hillsboro Portion \$50,000 SDC Fund Revenues
6-B	New Source Study 1991-92, Estimated Cost	\$100,000	

Summary of Capital Projects

Treatment Plant Expansion	\$ 200,000
Cherry Grove Slow Sand Filter	1,345,105
Expand Public Works Building	100,000
Raw Water Pipeline	3,750,000
20 MG Storage Reservoir	2,000,000
New Source Study	50,000
	<u>\$ 7,445,105</u>

<u>Priority</u>	<u>Project</u>	<u>H.E.D.C.</u>	<u>Funding</u>
1	Evergreen Road (Parkway), Shute Rd. to existing 5 lane improvement 1991-92 - Final Design and ROW acq., 1992-93 - Constr. (may be accelerated in response to adjacent development). 1991 Cost Est.	\$3,000,000	2/5 LID 3/5 Urban Renewal
2	Cornell Road, Railroad Crossing, 1991-92 - Final Design and ROW acquisition, 1992-93 Construction; 1991 Cost Estimate	\$250,000	2/5 LID 3/5 Urban Renewal
3	Shute Road signalization at Cornell Rd., 1991-92 - Preliminary Design; 1992-93 - Final Design and construction, 1991 Estimated Cost	\$125,000	100% Urban Renewal
4*	Cornell Road, Cornelius Pass to Stucki Ave., 1991-92 - Preliminary Design, 1992-93 - Final Design and ROW acquisition, 1993-94 - Construction (may be accelerated in response to adjacent dev., 1991 Estimated Cost	\$3,750,000	2/5 LID 3/5 Urban Renewal
5	Fire Sub Station; 1991-92 - Design; 1992-93 - Constr. 1991 Estimated Cost -	\$600,000	50% Urban Renewal 50% Capital Imp. Levy
6*	Neighborhood Park, 1991-92 - Conceptual Design, 1991 Estimated Cost	\$2,500,000	100% Urban Renewal
7*	229th Avenue, Cornell Road to Evergreen, 1991-92 - Preliminary Design, 1993-94 - Final Design, 1994-95 -		25% LID 75% Urban

	Construction (may be accelerated to provide access to fire substation), 1991 Estimated Cost	\$2,000,000	Renewal
8*	Butler Road, Shute Road to Cornell, 1991-92 - Preliminary Design, 1994-95 - Final Design, 1995-96 - Construction; 1991 Estimated Cost	\$2,000,000	25% LID 75% Urban Renewal

* (Preliminary design would coincide (1991-92) with other planned improvements to ensure coordination and compatibility of all necessary facilities. Construction schedule is dependent upon continued acquisition of parcels, adjacent development and bonding capacity.)

<u>Jackson Bottom</u>		
<u>Priority</u>	<u>Project</u>	<u>Funding</u>
1	Kingfisher Marsh Parking Lot; Contract/Construct 1991, JB FY 91-92 Cost estimate	applied for OTA grant - \$9,500
	Swale, retention, fees (SWM), 1991 Cost estimate	USA
2	Viewing Tower/Blind, Construct summer 1991, JB FY 91-92, 1991 Cost est.	USA \$2,500 Airshow \$24,000 YCC \$10,000
	Research, Education, and Interpretive Center Construct as funds available, 3-5 years 1991 Cost est.	Fund raising, grants legislature, joint participating bodies
	Enhancement Projects, Phase I Construct yearly as funds are available FY 1991-96	Non-City funded, ODFW, Ducks Unlimited, USFWS grants (Metro Enhancement), etc.

<u>Hillsboro/Forest Grove/Beaverton Joint Water Commission</u>		
<u>Priority</u>	<u>Project</u>	<u>Funding</u>
1	Treatment Plant Expansion - Estimated cost \$4,000,000 \$2,294,104 expended as of 3/1/91; \$3,600,000 est. by 6/30/91; 1992 Cost est. \$400,000	SDC - (ea. participant)
2	Raw Water Pipeline-Scoggin to T.P. - Est. cost \$8,500,000 Design - 1991-92; Acquire R/W - 1991-93; Contract/Construct - 1992-93	Hillsboro portion \$4,250,000 SDC Fund Revenues
3	20 MG Storage Reservoir - Estimated cost \$4,000,000 Design - 1995; Contract/Construct - 1996	Hillsboro portion \$2,000,000 SDC
4	New Source Study -Estimated cost , 1991-92 \$100,000	Hillsboro Portion \$50,000 SDC Fund Revenues

Note: Raising the Trask River Dam is under consideration as of 6/27/91, but not included herein.

Summary of Capital Projects

Treatment Plant Expansion	\$ 400,000
Raw Water Pipeline	8,500,000
20 MG Storage Reservoir	4,000,000
New Source Study	<u>100,000</u>
	\$13,000,000

EXHIBIT B

<u>UTILITY</u>	<u>TITLE</u>	<u>DATE</u>	<u>PREPARED BY</u>
Parks	Hillsboro Parks Master Plan	August 5, 1986	City Staff
Sanitary Sewer	Sanitary Sewer Master Plan	Draft July 1990	Murray-Smith and Assoc.
Water	Public Facilities Plan for Water System	October 1989	Economic & Engineering Services, Inc.
Storm Sewer	Comprehensive Storm Drainage Master Plan	July 1988	URS Consultants, Inc.
Transportation	Report on Transportation City of Hillsboro, Oregon	Dec. 1979	Carl H. Bottke Transp. Engineer.