

# EXHIBIT D

## Construction Cost Estimate Advance Road Middle School - Public Improvements 30% Design (Draft)

Advance Road Middle School  
School District  
Submitted 11/25/15  
Revised 12/04/2015

<u>WORK BREAKDOWN</u>	<u>TOTAL</u>	<u>CITY</u>	<u>DISTRICT</u>
<b>ACCESS STREET 63RD AVENUE</b> (See note 1 for cost split breakdown)	\$ 1,038,000	\$ 286,000	\$ 753,000
<b>ACCESS STREET HAZEL STREET</b> (See note 1 for cost split breakdown)	\$ 552,000	\$ 216,000	\$ 336,000
<b>ADVANCE ROAD</b> (See note 1 for cost split breakdown)	\$ 1,103,000	\$ 439,000	\$ 664,000
<b>BOECKMAN ROAD</b> (100% City)	\$ 535,000	\$ 535,000	\$ -
<b>STAFFORD ROAD</b> (100% City)	\$ 329,000	\$ 329,000	\$ -
<b>INTERSECTION OF BOECKMAN-ADVANCE / STAFFORD-WILSONVILLE ROADS</b> (75% CITY, 25% DISTRICT)	\$ 1,061,000	\$ 796,000	\$ 266,000
<b>SEWER LINE IMPROVEMENTS</b> (Advance Road/Stafford Road/Boeckman Road)	\$ 295,000	\$ 152,000	\$ 143,000
<b>WATER LINE IMPROVEMENTS</b> (12" WATER MAIN)	\$ 392,000	\$ 50,000	\$ 342,000
<b>TOTAL</b>	<b>\$ 5,307,000</b>	<b>\$ 2,803,000</b>	<b>\$ 2,504,000</b>

**General Notes:**

- For cost split breakdown, see cost split notes located at the bottom of each individual estimate
- Costs are preliminary. Estimate based on standard measurement and payment practices as specified in the 2015 Oregon Standard Specifications for Construction
- Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2014 dated 1/13/2015
- Allowances provided for traffic signals, street lighting and other traffic items. Costs to be verified with traffic consultant
- Allowance provided for landscaping. Costs to be verified with landscape consultant
- Estimate does not include right-of-way acquisition or settlements with adjacent private properties
- Estimate does not include costs for relocating utilities including transmission poles, gas, fiber and cable
- Estimate includes soft costs (design, permit fees, inspections and const. management) at 24% of estimated const. costs.

**ACCESS STREET 63RD AVENUE**  
**30% Construction Cost Estimate (DRAFT)**  
**Advance Road Middle School - Public Improvements**

ITEM NUMBER	ITEM DESCRIPTION	CITY PORTION			DISTRICT PORTION			REMARKS
		QUANTITY	UNIT PRICE	ITEM COST	QUANTITY	UNIT PRICE	ITEM COST	
<b>PART 00200 - TEMPORARY FEATURES AND APPURTENANCES</b>								
0210-0100000A	MOBILIZATION	1 LS	\$ 17,700.00	\$ 17,700.00	1 LS	\$ 46,700.00	\$ 46,700.00	10.0%
0225-0101000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	1 LS	\$ 5,300.00	\$ 5,300.00	1 LS	\$ 14,000.00	\$ 14,000.00	3.0%
0280-0100000A	EROSION CONTROL	1 LS	\$ 3,500.00	\$ 3,500.00	1 LS	\$ 9,300.00	\$ 9,300.00	2.0%
0290-0100000A	POLLUTION CONTROL PLAN	1 LS	\$ 550.00	\$ 550.00	1 LS	\$ 1,450.00	\$ 1,450.00	
<b>PART 00300 - ROADWORK</b>								
0305-0100000A	CONSTRUCTION SURVEY WORK	1 LS	\$ 3,500.00	\$ 3,500.00	1 LS	\$ 9,300.00	\$ 9,300.00	2.0%
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1 LS	\$ 1,800.00	\$ 1,800.00	1 LS	\$ 4,700.00	\$ 4,700.00	1.0%
0330-0105000K	GENERAL EXCAVATION	600 CUYD	\$ 20.00	\$ 12,000.00	1,800 CUYD	\$ 20.00	\$ 36,000.00	
0331-0106000J	12 INCH SUBGRADE STABILIZATION	183 SQYD	\$ 20.00	\$ 3,660.00	470 SQYD	\$ 20.00	\$ 9,400.00	
<b>PART 00400 - DRAINAGE AND SEWERS</b>								
0405-0106000K	TRENCH FOUNDATION	0 CUYD	\$ 40.00	\$ -	30 CUYD	\$ 40.00	\$ 1,200.00	
0415-0100000F	MAINLINE VIDEO INSPECTION	0 FOOT	\$ 3.00	\$ -	1,333 FOOT	\$ 3.00	\$ 3,999.00	
0445-0300108F	10 INCH SANITARY SEWER PIPE, 10 FT DEPTH	0 FOOT	\$ 70.00	\$ -	420 FOOT	\$ 70.00	\$ 29,400.00	
0445-030010CF	10 INCH SANITARY SEWER PIPE, 20 FT DEPTH	0 FOOT	\$ 140.00	\$ -	294 FOOT	\$ 140.00	\$ 41,160.00	
0445-035012AF	12 INCH STORM SEWER PIPE, 5 FT DEPTH	0 FOOT	\$ 55.00	\$ -	619 FOOT	\$ 55.00	\$ 34,045.00	
0470-0100000E	CONCRETE SANITARY SEWER MANHOLES	0 EACH	\$ 5,000.00	\$ -	2 EACH	\$ 5,000.00	\$ 10,000.00	
0470-0101000E	CONCRETE STORM SEWER MANHOLES	0 EACH	\$ 4,000.00	\$ -	3 EACH	\$ 4,000.00	\$ 12,000.00	
0470-NEW	CONCRETE INLETS, TYPE CG-30	0 EACH	\$ 2,000.00	\$ -	3 EACH	\$ 2,000.00	\$ 6,000.00	
0470-0311000E	CONCRETE INLETS, TYPE D	0 EACH	\$ 1,700.00	\$ -	1 EACH	\$ 1,700.00	\$ 1,700.00	
<b>PART 00600 - BASES</b>								
0640-0100000M	AGGREGATE BASE	1,000 TON	\$ 35.00	\$ 35,000.00	2,000 TON	\$ 35.00	\$ 70,000.00	
<b>PART 00700 - WEARING SURFACES</b>								
0744-0302000M	LEVEL 3, 1/2 INCH ACP MIXTURE	220 TON	\$ 100.00	\$ 22,000.00	550 TON	\$ 100.00	\$ 55,000.00	
0759-0103000F	CONCRETE CURBS, CURB AND GUTTER	0 FOOT	\$ 25.00	\$ -	746 FOOT	\$ 25.00	\$ 18,650.00	
0759-0127000J	CONCRETE DRIVEWAYS, REINFORCED	0 SQFT	\$ 10.00	\$ -	522 SQFT	\$ 10.00	\$ 5,220.00	
0759-0128000J	CONCRETE WALKS	0 SQFT	\$ 6.00	\$ -	3,998 SQFT	\$ 6.00	\$ 23,988.00	
<b>PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES</b>								
08XX-	ALLOWANCE FOR STRIPING (DKS TO DESIGN)	1 LS	\$ 2,000.00	\$ 2,000.00	1 LS	\$ 2,000.00	\$ 2,000.00	City covers bike striping (say half)
<b>PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>								
09XX-	ALLOWANCE FOR SIGNING (DKS TO DESIGN)	1 LS	\$ 1,000.00	\$ 1,000.00	1 LS	\$ 1,000.00	\$ 1,000.00	
09XX-	ALLOWANCE FOR STREET LIGHTING (DKS TO DESIGN)	1 EACH	\$ 6,500.00	\$ 6,500.00	3 EACH	\$ 6,500.00	\$ 19,500.00	Per DKS, assume 1 light every 150'
<b>PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL</b>								
1012-0100000A	WATER QUALITY SWALE	1 LS	\$ 20,000.00	\$ 20,000.00	1 LS	\$ -	\$ -	
1030-0102000E	SEEDING MOBILIZATION	1 EACH	\$ 600.00	\$ 600.00	0 EACH	\$ 600.00	\$ -	Assume city covers
1030-0108000R	PERMANENT SEEDING	0.2 ACRE	\$ 3,000.00	\$ 600.00	0.0 ACRE	\$ 3,000.00	\$ -	Assume city covers
1030-0118000R	WATER QUALITY SEEDING	0.1 ACRE	\$ 4,000.00	\$ 400.00	0.0 ACRE	\$ 4,000.00	\$ -	City covers
1040-0203000E	BOULDERS	80 EACH	\$ 200.00	\$ 16,000.00	0 EACH	\$ 200.00	\$ -	Assume city covers
1040-	ALLOWANCE FOR LANDSCAPING (WALKER MACY)	1 LS	\$ 25,000.00	\$ 25,000.00	1 LS	\$ -	\$ -	
<b>PART 01100 - WATER SUPPLY SYSTEMS</b>								
1140-0145000F	6 INCH POTABLE WATER PIPE, FITTINGS & COUPLINGS WITH RESTRAINED JOINTS AND CLASS _____ BACKFILL	0 FOOT	\$ 50.00	\$ -	0 FOOT	\$ 50.00	\$ -	
<b>SOFT COSTS</b>		CONSTRUCTION SUBTOTAL \$ 177,110.00		CONSTRUCTION SUBTOTAL \$ 466,712.00				
		CONTINGENCY (30.0%) \$ 53,133.00		CONTINGENCY (30.0%) \$ 140,014.00		Take after Const. Eng		
		TOTAL CONSTRUCTION COST \$ 230,243.00		TOTAL CONSTRUCTION COST \$ 606,726.00				
		24% \$ 55,258.32		24% \$ 145,614.24				
		10% \$ 23,024.30		10% \$ 60,672.60				
		7% \$ 16,117.01		7% \$ 42,470.82				
		2% \$ 4,604.86		2% \$ 12,134.52				
		5% \$ 11,512.15		5% \$ 30,336.30				
		TOTAL ESTIMATED COST \$ 285,501.32		TOTAL ESTIMATED COST \$ 752,340.24				
		TOTAL COSTS \$ 1,037,841.56						

**Cost Split Notes:**

- The City will be responsible for 12-foot of street improvements (consisting of the two bike lanes), bike signage, bike lane striping, the east side gravel shoulder, and storm swale, and a prorated share of streetlighting.
- The District will be responsible for all other street costs.

**General Notes:**

- Costs are preliminary. Estimate based on standard measurement and payment practices as specified in the 2015 Oregon Standard Specifications for Construction
- Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2014 dated 1/13/2015
- Allowances provided for traffic signals, street lighting and other traffic items. Costs to be verified with traffic consultant
- Allowance provided for landscaping. Costs to be verified with landscape consultant
- Estimate does not include right-of-way acquisition or settlements with adjacent private properties
- Estimate does not include costs for relocating utilities including transmission poles, gas, fiber and cable

ACCESS STREET HAZEL STREET  
30% Construction Cost Estimate (DRAFT)  
Advance Road Middle School - Public Improvements

ITEM NUMBER	ITEM DESCRIPTION	CITY PORTION			DISTRICT PORTION			REMARKS
		QUANTITY	UNIT PRICE	ITEM COST	QUANTITY	UNIT PRICE	ITEM COST	
<b>PART 00200 - TEMPORARY FEATURES AND APPURTENANCES</b>								60.84%
0210-0100000A	MOBILIZATION	1 LS	\$ 20,880.00	\$ 20,880.00	1 LS	\$ 20,800.00	\$ 20,800.00	10.0%
0225-0101000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	1 LS	\$ 4,000.00	\$ 4,000.00	1 LS	\$ 6,200.00	\$ 6,200.00	3.0%
0280-0100000A	EROSION CONTROL	1 LS	\$ 2,700.00	\$ 2,700.00	1 LS	\$ 4,200.00	\$ 4,200.00	2.0%
0290-0100000A	POLLUTION CONTROL PLAN	1 LS	\$ 780.00	\$ 780.00	1 LS	\$ 1,220.00	\$ 1,220.00	
<b>PART 00300 - ROADWORK</b>								
0305-0100000A	CONSTRUCTION SURVEY WORK	1 LS	\$ 2,700.00	\$ 2,700.00	1 LS	\$ 4,200.00	\$ 4,200.00	2.0%
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1 LS	\$ 1,300.00	\$ 1,300.00	1 LS	\$ 2,100.00	\$ 2,100.00	1.0%
0320-0100000R	CLEARING AND GRUBBING	0.0 ACRE	\$ 5,000.00	\$ -	0.2 ACRE	\$ 5,000.00	\$ 1,000.00	
0330-0105000K	GENERAL EXCAVATION	300 CUVD	\$ 20.00	\$ 6,000.00	1,800 CUVD	\$ 20.00	\$ 36,000.00	
0331-0106000J	12 INCH SUBGRADE STABILIZATION	99 SQYD	\$ 20.00	\$ 1,980.00	322 SQYD	\$ 20.00	\$ 6,440.00	
<b>PART 00400 - DRAINAGE AND SEWERS</b>								
<b>PART 00600 - BASES</b>								
0640-0100000M	AGGREGATE BASE	700 TON	\$ 35.00	\$ 24,500.00	1,400 TON	\$ 35.00	\$ 49,000.00	
<b>PART 00700 - WEARING SURFACES</b>								
0744-0302000M	LEVEL 3, 1/2 INCH ACP MIXTURE	120 TON	\$ 100.00	\$ 12,000.00	380 TON	\$ 100.00	\$ 38,000.00	
0756-0104000J	PLAIN CONCRETE PAVEMENT, UNDOWELED, 9 INCHES THICK	143 SQYD	\$ 85.00	\$ 12,155.00	0 SQYD	\$ 85.00	\$ -	
0759-0103000F	CONCRETE CURBS, CURB AND GUTTER	0 FOOT	\$ 25.00	\$ -	376 FOOT	\$ 25.00	\$ 9,400.00	
0759-0127000J	CONCRETE DRIVEWAYS, REINFORCED	0 SQFT	\$ 10.00	\$ -	520 SQFT	\$ 10.00	\$ 5,200.00	
0759-0128000J	CONCRETE WALKS	375 SQFT	\$ 6.00	\$ 2,250.00	1,368 SQFT	\$ 6.00	\$ 8,208.00	
<b>PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES</b>								
08XX-	ALLOWANCE FOR STRIPING (DKS TO DESIGN)	1 LS	\$ 2,000.00	\$ 2,000.00	1 LS	\$ 2,000.00	\$ 2,000.00	City covers bike striping (say half)
<b>PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>								
09XX-	ALLOWANCE FOR SIGNING (DKS TO DESIGN)	1 LS	\$ 1,000.00	\$ 1,000.00	1 LS	\$ 1,000.00	\$ 1,000.00	
09XX-	ALLOWANCE FOR STREET LIGHTING (DKS TO DESIGN)	1 EACH	\$ 6,500.00	\$ 6,500.00	2 EACH	\$ 6,500.00	\$ 13,000.00	Per DKS, assume 1 light every 150'
<b>PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL</b>								
1012-0100000A	WATER QUALITY SWALE	1 LS	\$ 10,000.00	\$ 10,000.00	1 LS	\$ -	\$ -	
1030-0102000E	SEEDING MOBILIZATION	1 EACH	\$ 600.00	\$ 600.00	0 EACH	\$ 600.00	\$ -	
1030-0108000R	PERMANENT SEEDING	0.2 ACRE	\$ 3,000.00	\$ 600.00	0.0 ACRE	\$ 3,000.00	\$ -	
1030-0118000R	WATER QUALITY SEEDING	0.1 ACRE	\$ 4,000.00	\$ 400.00	0.0 ACRE	\$ 4,000.00	\$ -	
1040-0203000E	BOULDERS	70 EACH	\$ 200.00	\$ 14,000.00	0 EACH	\$ 200.00	\$ -	
1040-	ALLOWANCE FOR LANDSCAPING (WALKER MACY)	1 LS	\$ 15,000.00	\$ 15,000.00	1 LS	\$ -	\$ -	
<b>PART 01100 - WATER SUPPLY SYSTEMS</b>								
<b>SOFT COSTS</b>								
CONSTRUCTION SUBTOTAL			\$ 133,865.00	\$ 133,865.00	CONSTRUCTION SUBTOTAL		\$ 207,968.00	
CONTINGENCY (30.0%)			\$ 40,160.00	\$ 40,160.00	CONTINGENCY (30.0%)		\$ 62,390.00	Take after Const. Eng.
TOTAL CONSTRUCTION COST			\$ 174,025.00	\$ 174,025.00	TOTAL CONSTRUCTION COST		\$ 270,358.00	
			24%	\$ 41,766.00			24%	\$ 64,885.92
DESIGN, ENGINEERING AND SURVEYING			10%	\$ 17,402.50			10%	\$ 27,035.80
CITY PERMIT FEE			7%	\$ 12,181.75			7%	\$ 18,925.06
GEOTECHNICAL INSPECTION			2%	\$ 3,480.50			2%	\$ 5,407.16
CONSTRUCTION MANAGEMENT			5%	\$ 8,701.25			5%	\$ 13,517.90
TOTAL ESTIMATED COST			\$ 215,791.00	\$ 215,791.00	TOTAL ESTIMATED COST		\$ 335,243.92	
TOTAL COSTS =			\$ 551,034.92	\$ 551,034.92	TOTAL COSTS =		\$ 551,034.92	

**Cost Split Notes:**

- The City will be responsible for 12-feet of street improvements (consisting of the two bike lanes), bike signage, bike lane striping, the north side gravel shoulder and storm swale, the SMART transit stop, bus shelter and adjacent sidewalk, and a prorated share of streetlighting.
- The District will be responsible for all other street costs, including the cul-de-sac to be used as a temporary vehicle turn-around.

**General Notes:**

- Costs are preliminary. Estimate based on standard measurement and payment practices as specified in the 2015 Oregon Standard Specifications for Construction
- Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2014 dated 1/13/2015
- Allowances provided for traffic signals, street lighting and other traffic items. Costs to be verified with traffic consultant
- Allowance provided for landscaping. Costs to be verified with landscape consultant
- Estimate does not include right-of-way acquisition or settlements with adjacent private properties
- Estimate does not include costs for relocating utilities including transmission poles, gas, fiber and cable

ADVANCE ROAD  
30% Construction Cost Estimate (DRAFT)

Advance Road Middle School - Public Improvements

ITEM NUMBER	ITEM DESCRIPTION	CITY PORTION			DISTRICT PORTION			REMARKS
		QUANTITY	UNIT PRICE	ITEM COST	QUANTITY	UNIT PRICE	ITEM COST	
<b>PART 00200 - TEMPORARY FEATURES AND APPURTENANCES</b>				39.78%			60.22%	
0210-0100000A	MOBILIZATION	1 LS	\$ 27,200.00	\$ 27,200.00	1 LS	\$ 41,200.00	\$ 41,200.00	10.0%
0225-0101000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	1 LS	\$ 8,200.00	\$ 8,200.00	1 LS	\$ 12,400.00	\$ 12,400.00	3.0%
0225-0168000T	FLAGGERS	80 HOUR	\$ 46.00	\$ 3,680.00	80 HOUR	\$ 46.00	\$ 3,680.00	2 x 5 days x 8 hrs/day
0280-0100000A	EROSION CONTROL	1 LS	\$ 5,400.00	\$ 5,400.00	1 LS	\$ 8,200.00	\$ 8,200.00	2.0%
0290-0100000A	POLLUTION CONTROL PLAN	1 LS	\$ 800.00	\$ 800.00	1 LS	\$ 1,200.00	\$ 1,200.00	
<b>PART 00300 - ROADWORK</b>								
0305-0100000A	CONSTRUCTION SURVEY WORK	1 LS	\$ 46,048.00	\$ 46,048.00	1 LS	\$ 64,138.00	\$ 64,138.00	
0310-0100000F	REMOVAL OF PIPES	1 LS	\$ 5,400.00	\$ 5,400.00	1 LS	\$ 8,200.00	\$ 8,200.00	2.0%
0310-0102000J	REMOVAL OF WALKS AND DRIVEWAYS	204 FOOT	\$ 12.00	\$ 2,448.00	36 FOOT	\$ 12.00	\$ 432.00	Measured full length of pipes
0310-0103000J	REMOVAL OF SURFACINGS	86 SQYD	\$ 10.00	\$ 860.00	134 SQYD	\$ 10.00	\$ 1,340.00	
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	0 SQYD	\$ 6.00	\$ -	1,713 SQYD	\$ 6.00	\$ 10,278.00	
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	1 LS	\$ 2,700.00	\$ 2,700.00	1 LS	\$ 4,100.00	\$ 4,100.00	1.0%
0320-0100000R	CLEARING AND GRUBBING	0 FOOT	\$ 2.00	\$ -	144 FOOT	\$ 2.00	\$ 288.00	
0330-0105000K	GENERAL EXCAVATION	0.4 ACRE	\$ 5,000.00	\$ 2,000.00	5,000.00	\$ 5,000.00	\$ 2,000.00	
0331-0106000J	12 INCH SUBGRADE STABILIZATION	1,400 CUYD	\$ 20.00	\$ 28,000.00	1,500 CUYD	\$ 20.00	\$ 30,000.00	
<b>PART 00400 - DRAINAGE AND SEWERS</b>								
0405-0106000K	TRENCH FOUNDATION	232 SQYD	\$ 20.00	\$ 4,640.00	375 SQYD	\$ 20.00	\$ 7,500.00	
0445-010012AF	12 INCH CULVERT PIPE, 5 FT DEPTH	6 CUYD	\$ 40.00	\$ 240.00	2 CUYD	\$ 40.00	\$ 80.00	
0445-010024AF	24 INCH CULVERT PIPE, 5 FT DEPTH	202 FOOT	\$ 55.00	\$ 11,110.00	0 FOOT	\$ 55.00	\$ -	
<b>PART 00600 - BASES</b>								
0640-0100000M	AGGREGATE BASE	24 FOOT	\$ 70.00	\$ 1,680.00	50 FOOT	\$ 70.00	\$ 3,500.00	
<b>PART 00700 - WEARING SURFACES</b>								
0744-0302000M	LEVEL 3, 1/2 INCH ACP MIXTURE	1,600 TON	\$ 35.00	\$ 56,000.00	1,800 TON	\$ 35.00	\$ 63,000.00	
0749-0100000E	EXTRA FOR ASPHALT APPROACHES	470 TON	\$ 100.00	\$ 47,000.00	670 TON	\$ 100.00	\$ 67,000.00	
0759-0103000F	CONCRETE CURBS, CURB AND GUTTER	3 EACH	\$ 500.00	\$ 1,500.00	2 EACH	\$ 500.00	\$ 1,000.00	
0759-0110000F	CONCRETE CURBS, STANDARD CURB	0 FOOT	\$ 25.00	\$ -	609 FOOT	\$ 25.00	\$ 15,225.00	
0759-0126000J	CONCRETE DRIVEWAYS	333 FOOT	\$ 25.00	\$ 8,325.00	0 FOOT	\$ 25.00	\$ -	
0759-0128000J	CONCRETE WALKS	0 SQFT	\$ 9.00	\$ -	755 SQFT	\$ 9.00	\$ 6,795.00	
<b>PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES</b>								
08XX-	ALLOWANCE FOR STRIPING (DKS TO DESIGN)	2,795 SQFT	\$ 6.00	\$ 16,770.00	2,795 SQFT	\$ 6.00	\$ 16,770.00	
<b>PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>								
09XX-	ALLOWANCE FOR SIGNING (DKS TO DESIGN)	1 LS	\$ 2,500.00	\$ 2,500.00	1 LS	\$ 4,500.00	\$ 4,500.00	
09XX-	ALLOWANCE FOR STREET LIGHTING (DKS TO DESIGN)	1 LS	\$ 1,000.00	\$ 1,000.00	1 LS	\$ 2,000.00	\$ 2,000.00	
0990-	ALLOWANCE FOR SCHOOL SPEED ZONE FLASHERS (DKS TO DESIGN)	1 LS	\$ 13,000.00	\$ 13,000.00	1 LS	\$ 19,500.00	\$ 19,500.00	40% City / 60% District
<b>PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL</b>								
1012-0100000A	WATER QUALITY SWALE	1 LS	\$ 21,600.00	\$ 21,600.00	1 LS	\$ 51,700.00	\$ 51,700.00	
1030-0102000E	SEEDING MOBILIZATION	1 EACH	\$ 10,000.00	\$ 10,000.00	1 EACH	\$ 10,000.00	\$ 10,000.00	
1030-0108000R	PERMANENT SEEDING	0.2 ACRE	\$ 600.00	\$ 600.00	0.1 ACRE	\$ 3,000.00	\$ 300.00	
1030-0118000R	WATER QUALITY SEEDING	0.1 ACRE	\$ 4,000.00	\$ 400.00	0.2 ACRE	\$ 4,000.00	\$ 800.00	
1040-	ALLOWANCE FOR LANDSCAPING (WALKER MACY)	1 LS	\$ 10,000.00	\$ 10,000.00	1 LS	\$ 40,000.00	\$ 40,000.00	
<b>PART 01100 - WATER SUPPLY SYSTEMS</b>								
<b>SOFT COSTS</b>								
CONSTRUCTION SUBTOTAL			\$ 272,053.00	\$ 272,053.00	CONSTRUCTION SUBTOTAL		\$ 411,888.00	
CONTINGENCY (30.0%)			\$ 81,616.00	\$ 81,616.00	CONTINGENCY (30.0%)		\$ 123,566.00	Take after Const. Eng.
TOTAL CONSTRUCTION COST			\$ 353,669.00	\$ 353,669.00	TOTAL CONSTRUCTION COST		\$ 535,454.00	
			24%	\$ 84,880.56			24%	\$ 128,508.56
DESIGN, ENGINEERING AND SURVEYING			10%	\$ 35,366.90			10%	\$ 53,545.40
CITY PERMIT FEE			7%	\$ 24,756.83			7%	\$ 37,481.78
GEOTECHNICAL INSPECTION			2%	\$ 7,073.38			2%	\$ 10,709.08
CONSTRUCTION MANAGEMENT			5%	\$ 17,683.45			5%	\$ 26,772.70
TOTAL ESTIMATED COST			\$ 438,549.56	\$ 438,549.56	TOTAL ESTIMATED COST		\$ 663,962.96	
					TOTAL COSTS =		\$ 1,102,512.52	

**Cost Split Notes:**

- The City will be responsible for all roadway construction beyond 24-feet from face of curb and one-half of the 10-foot sidewalk.
- The District will be responsible for all other street costs.

**General Notes:**

- Costs are preliminary. Estimate based on standard measurement and payment practices as specified in the 2015 Oregon Standard Specifications for Construction
- Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2014 dated 1/13/2015
- Allowances provided for traffic signals, street lighting and other traffic items. Costs to be verified with traffic consultant
- Allowance provided for landscaping. Costs to be verified with landscape consultant
- Estimate does not include right-of-way acquisition or settlements with adjacent private properties
- Estimate does not include costs for relocating utilities including transmission poles, gas, fiber and cable

**BOECKMAN ROAD**  
**30% Construction Cost Estimate (DRAFT)**  
**Advance Road Middle School - Public Improvements**



**CITY PORTION (100%)**

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ITEM COST	REMARKS
<b>PART 00200 - TEMPORARY FEATURES AND APPURTENANCES</b>					\$ 54,480.00
0210-010000A	MOBILIZATION	1 LS	\$ 33,200.00	\$ 33,200.00	10.0%
0225-0101000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	1 LS	\$ 10,000.00	\$ 10,000.00	3.0%
0225-0168000T	FLAGGERS	80 HOUR	\$ 46.00	\$ 3,680.00	2 x 5 days x 8 hrs/day
0280-0100000A	EROSION CONTROL	1 LS	\$ 6,600.00	\$ 6,600.00	2.0%
0290-0100000A	POLLUTION CONTROL PLAN	1 LS	\$ 1,000.00	\$ 1,000.00	
<b>PART 00300 - ROADWORK</b>					\$ 79,344.00
0305-0100000A	CONSTRUCTION SURVEY WORK	1 LS	\$ 6,600.00	\$ 6,600.00	2.0%
0310-0100000F	REMOVAL OF PIPES	80 FOOT	\$ 12.00	\$ 960.00	
0310-0102000J	REMOVAL OF WALKS AND DRIVEWAYS	42 SQYD	\$ 10.00	\$ 420.00	
0310-0103000J	REMOVAL OF SURFACINGS	1,116 SQYD	\$ 6.00	\$ 6,696.00	
0310-0104000E	REMOVAL OF INLETS	2 EACH	\$ 325.00	\$ 650.00	
0310-0105000E	REMOVAL OF MANHOLES	0 EACH	\$ 750.00	\$ -	
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1 LS	\$ 3,300.00	\$ 3,300.00	1.0%
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	349 FOOT	\$ 2.00	\$ 698.00	
0320-0100000R	CLEARING AND GRUBBING	0.4 ACRE	\$ 5,000.00	\$ 2,000.00	
0330-0105000K	GENERAL EXCAVATION	2,500 CUYD	\$ 20.00	\$ 50,000.00	
0331-0106000J	12 INCH SUBGRADE STABILIZATION	401 SQYD	\$ 20.00	\$ 8,020.00	
<b>PART 00400 - DRAINAGE AND SEWERS</b>					\$ -
<b>PART 00600 - BASES</b>					\$ 77,000.00
0640-0100000M	AGGREGATE BASE	2,200 TON	\$ 35.00	\$ 77,000.00	
<b>PART 00700 - WEARING SURFACES</b>					\$ 92,305.00
0744-0302000M	LEVEL 3, 1/2 INCH ACP MIXTURE	780 TON	\$ 100.00	\$ 78,000.00	
0749-0100000E	EXTRA FOR ASPHALT APPROACHES	1 EACH	\$ 500.00	\$ 500.00	
0749-0106000J	EXTRA FOR ASPHALT WALKS	1,270 SQFT	\$ 4.00	\$ 5,080.00	
0756-0104000J	PLAIN CONCRETE PAVEMENT, UNDOWELED, 9 INCHES THICK	0 SQYD	\$ 85.00	\$ -	
0759-0103000F	CONCRETE CURBS, CURB AND GUTTER	349 FOOT	\$ 25.00	\$ 8,725.00	
<b>PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES</b>					\$ 5,000.00
08XX-	ALLOWANCE FOR STRIPING (DKS TO DESIGN)	1 LS	\$ 5,000.00	\$ 5,000.00	
<b>PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					\$ 2,000.00
09XX-	ALLOWANCE FOR SIGNING (DKS TO DESIGN)	1 LS	\$ 2,000.00	\$ 2,000.00	
<b>PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL</b>					\$ 21,600.00
1012-0100000A	WATER QUALITY SWALE	1 LS	\$ 10,000.00	\$ 10,000.00	
1030-0102000E	SEEDING MOBILIZATION	1 EACH	\$ 600.00	\$ 600.00	
1030-0108000R	PERMANENT SEEDING	0.2 ACRE	\$ 3,000.00	\$ 600.00	
1030-0118000R	WATER QUALITY SEEDING	0.1 ACRE	\$ 4,000.00	\$ 400.00	
1040-	ALLOWANCE FOR LANDSCAPING (WALKER MACY)	1 LS	\$ 10,000.00	\$ 10,000.00	
<b>PART 01100 - WATER SUPPLY SYSTEMS</b>					\$ -
CONSTRUCTION SUBTOTAL				\$ 331,729.00	
CONTINGENCY (30.0%)				\$ 99,519.00	Take after Const. Eng.
TOTAL ESTIMATED CONSTRUCTION COST				\$ 431,248.00	
<b>SOFT COSTS</b>				\$ 103,499.52	
DESIGN, ENGINEERING AND SURVEYING				10% \$ 43,124.80	
CITY PERMIT FEE				7% \$ 30,187.36	
GEOTECHNICAL INSPECTION				2% \$ 8,624.96	
CONSTRUCTION MANAGEMENT				5% \$ 21,562.40	
TOTAL ESTIMATED COST				\$ 534,747.52	

**Cost Split Notes:**

- The City will be responsible for all roadway construction costs and may establish a Reimbursement District to the extent the improvements benefit the Frog Pond Conceptual Plan development area.

**General Notes:**

- Costs are preliminary. Estimate based on standard measurement and payment practices as specified in the 2015 Oregon Standard Specifications for Construction
- Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2014 dated 1/13/2015
- Allowances provided for traffic signals, street lighting and other traffic items. Costs to be verified with traffic consultant
- Allowance provided for landscaping. Costs to be verified with landscape consultant
- Estimate does not include right-of-way acquisition or settlements with adjacent private properties
- Estimate does not include costs for relocating utilities including transmission poles, gas, fiber and cable

**STAFFORD ROAD**  
**30% Construction Cost Estimate (DRAFT)**  
**Advance Road Middle School - Public Improvements**



**CITY PORTION (100%)**

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ITEM COST	REMARKS
<b>PART 00200 - TEMPORARY FEATURES AND APPURTENANCES</b>					\$ 35,280.00
0210-010000A	MOBILIZATION	1 LS	\$ 20,400.00	\$ 20,400.00	10.0%
0225-0101000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	1 LS	\$ 6,100.00	\$ 6,100.00	3.0%
0225-0168000T	FLAGGERS	80 HOUR	\$ 46.00	\$ 3,680.00	2 x 5 days x 8 hrs/day
0280-0100000A	EROSION CONTROL	1 LS	\$ 4,100.00	\$ 4,100.00	2.0%
0290-0100000A	POLLUTION CONTROL PLAN	1 LS	\$ 1,000.00	\$ 1,000.00	
<b>PART 00300 - ROADWORK</b>					\$ 48,546.00
0305-0100000A	CONSTRUCTION SURVEY WORK	1 LS	\$ 4,100.00	\$ 4,100.00	2.0%
0310-0100000F	REMOVAL OF PIPES	16 FOOT	\$ 12.00	\$ 192.00	
0310-0101000F	REMOVAL OF CURBS	0 FOOT	\$ 4.00	\$ -	
0310-0102000J	REMOVAL OF WALKS AND DRIVEWAYS	0 SQYD	\$ 10.00	\$ -	
0310-0103000J	REMOVAL OF SURFACINGS	984 SQYD	\$ 6.00	\$ 5,904.00	
0310-0104000E	REMOVAL OF INLETS	0 EACH	\$ 325.00	\$ -	
0310-0105000E	REMOVAL OF MANHOLES	0 EACH	\$ 750.00	\$ -	
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1 LS	\$ 2,000.00	\$ 2,000.00	1.0%
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	95 FOOT	\$ 2.00	\$ 190.00	
0320-0100000R	CLEARING AND GRUBBING	0.3 ACRE	\$ 5,000.00	\$ 1,500.00	
0330-0105000K	GENERAL EXCAVATION	1,500 CUYD	\$ 20.00	\$ 30,000.00	
0331-0106000J	12 INCH SUBGRADE STABILIZATION	233 SQYD	\$ 20.00	\$ 4,660.00	
<b>PART 00400 - DRAINAGE AND SEWERS</b>					\$ -
<b>PART 00600 - BASES</b>					\$ 49,000.00
0640-0100000M	AGGREGATE BASE	1,400 TON	\$ 35.00	\$ 49,000.00	
<b>PART 00700 - WEARING SURFACES</b>					\$ 47,375.00
0744-0302000M	LEVEL 3, 1/2 INCH ACP MIXTURE	410 TON	\$ 100.00	\$ 41,000.00	
0759-0110000F	CONCRETE CURBS, STANDARD CURB	255 FOOT	\$ 25.00	\$ 6,375.00	
<b>PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES</b>					\$ 5,000.00
08XX-	ALLOWANCE FOR STRIPING (DKS TO DESIGN)	1 LS	\$ 5,000.00	\$ 5,000.00	
<b>PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					\$ 2,000.00
09XX-	ALLOWANCE FOR SIGNING (DKS TO DESIGN)	1 LS	\$ 2,000.00	\$ 2,000.00	
<b>PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL</b>					\$ 16,600.00
1012-0100000A	WATER QUALITY SWALE	1 LS	\$ 10,000.00	\$ 10,000.00	
1030-0102000E	SEEDING MOBILIZATION	1 EACH	\$ 600.00	\$ 600.00	
1030-0108000R	PERMANENT SEEDING	0.2 ACRE	\$ 3,000.00	\$ 600.00	
1030-0118000R	WATER QUALITY SEEDING	0.1 ACRE	\$ 4,000.00	\$ 400.00	
1040-	ALLOWANCE FOR LANDSCAPING (WALKER MACY)	1 LS	\$ 5,000.00	\$ 5,000.00	
<b>PART 01100 - WATER SUPPLY SYSTEMS</b>					\$ -
<b>CONSTRUCTION SUBTOTAL</b>				\$ 203,801.00	
<b>CONTINGENCY (30.0%)</b>				\$ 61,140.00	Take after Const. Eng.
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				\$ 264,941.00	
<b>SOFT COSTS</b>				24%	\$ 63,585.84
	DESIGN, ENGINEERING AND SURVEYING		10%	\$ 26,494.10	
	CITY PERMIT FEE		7%	\$ 18,545.87	
	GEOTECHNICAL INSPECTION		2%	\$ 5,298.82	
	CONSTRUCTION MANAGEMENT		5%	\$ 13,247.05	
<b>TOTAL ESTIMATED COST</b>				\$ 328,526.84	

**Cost Split Notes:**

- The City will be responsible for all roadway construction costs and may establish a Reimbursement District to the extent the improvements benefit the Frog Pond Conceptual Plan development area.

**General Notes:**

- Costs are preliminary. Estimate based on standard measurement and payment practices as specified in the 2015 Oregon Standard Specifications for Construction
- Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2014 dated 1/13/2015
- Allowances provided for traffic signals, street lighting and other traffic items. Costs to be verified with traffic consultant
- Allowance provided for landscaping. Costs to be verified with landscape consultant
- Estimate does not include right-of-way acquisition or settlements with adjacent private properties
- Estimate does not include costs for relocating utilities including transmission poles, gas, fiber and cable

**INTERSECTION OF BOECKMAN-ADVANCE / STAFFORD-WILSONVILLE ROADS**  
**30% Construction Cost Estimate (DRAFT)**  
**Public Improvements**



**SPLIT COSTS (SEE BELOW)**

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ITEM COST	REMARKS	
<b>PART 00200 - TEMPORARY FEATURES AND APPURTENANCES</b>				\$	103,380.00	
0210-010000A	MOBILIZATION	1 LS	\$ 65,800.00	\$ 65,800.00	10.0%	
0225-0101000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	1 LS	\$ 19,700.00	\$ 19,700.00	3.0%	
0225-0168000T	FLAGGERS	80 HOUR	\$ 46.00	\$ 3,680.00	2 x 5 days x 8 hrs/day	
0280-0100000A	EROSION CONTROL	1 LS	\$ 13,200.00	\$ 13,200.00	2.0%	
0290-0100000A	POLLUTION CONTROL PLAN	1 LS	\$ 1,000.00	\$ 1,000.00		
<b>PART 00300 - ROADWORK</b>				\$	75,828.00	
0305-0100000A	CONSTRUCTION SURVEY WORK	1 LS	\$ 13,200.00	\$ 13,200.00	2.0%	
0310-0100000F	REMOVAL OF PIPES	548 FOOT	\$ 12.00	\$ 6,576.00	Measured full length of pipes	
0310-0101000F	REMOVAL OF CURBS	186 FOOT	\$ 4.00	\$ 744.00		
0310-0102000J	REMOVAL OF WALKS AND DRIVEWAYS	94 SQYD	\$ 10.00	\$ 940.00		
0310-0103000J	REMOVAL OF SURFACINGS	1,508 SQYD	\$ 6.00	\$ 9,048.00		
0310-0104000E	REMOVAL OF INLETS	1 EACH	\$ 325.00	\$ 325.00		
0310-0105000E	REMOVAL OF MANHOLES	2 EACH	\$ 750.00	\$ 1,500.00		
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1 LS	\$ 6,600.00	\$ 6,600.00	1.0%	
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	48 FOOT	\$ 2.00	\$ 96.00		
0320-0100000R	CLEARING AND GRUBBING	0.1 ACRE	\$ 5,000.00	\$ 500.00		
0330-0105000K	GENERAL EXCAVATION	1,500 CUYD	\$ 20.00	\$ 30,000.00	20,000 sf*2'/27	
0331-0106000J	12 INCH SUBGRADE STABILIZATION	320 SQYD	\$ 20.00	\$ 6,400.00		
<b>PART 00400 - DRAINAGE AND SEWERS</b>				\$	60,075.00	
0405-0106000K	TRENCH FOUNDATION	10 CUYD	\$ 40.00	\$ 400.00		
0415-0100000F	MAINLINE VIDEO INSPECTION	440 FOOT	\$ 3.00	\$ 1,320.00		
0445-035012AF	12 INCH STORM SEWER PIPE, 5 FT DEPTH	27 FOOT	\$ 55.00	\$ 1,485.00		
0445-035024BF	24 INCH STORM SEWER PIPE, 10 FT DEPTH	413 FOOT	\$ 90.00	\$ 37,170.00	Includes 24 inch storm pipe to outfall	
0470-0106000E	CONCRETE MANHOLES, LARGE PRECAST	2 EACH	\$ 8,000.00	\$ 16,000.00	Includes 24 inch storm MHs to outfall	
0470-NEW	CONCRETE INLETS, TYPE CG-30	1 EACH	\$ 2,000.00	\$ 2,000.00		
0470-0311000E	CONCRETE INLETS, TYPE D	1 EACH	\$ 1,700.00	\$ 1,700.00		
<b>PART 00600 - BASES</b>				\$	52,500.00	
0640-0100000M	AGGREGATE BASE	1,500 TON	\$ 35.00	\$ 52,500.00		
<b>PART 00700 - WEARING SURFACES</b>				\$	67,771.00	
0744-0302000M	LEVEL 3, 1/2 INCH ACP MIXTURE	560 TON	\$ 100.00	\$ 56,000.00		
0759-0103000F	CONCRETE CURBS, CURB AND GUTTER	191 FOOT	\$ 25.00	\$ 4,775.00		
0759-0110000F	CONCRETE CURBS, STANDARD CURB	0 FOOT	\$ 25.00	\$ -		
0759-0128000J	CONCRETE WALKS	1,166 SQFT	\$ 6.00	\$ 6,996.00		
<b>PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES</b>				\$	5,000.00	
08XX-	ALLOWANCE FOR STRIPING (DKS TO DESIGN)	1 LS	\$ 5,000.00	\$ 5,000.00		
<b>PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>				\$	267,000.00	
09XX-	ALLOWANCE FOR SIGNING (DKS TO DESIGN)	1 LS	\$ 4,000.00	\$ 4,000.00		
09XX-	ALLOWANCE FOR STREET LIGHTING (DKS TO DESIGN)	2 EACH	\$ 6,500.00	\$ 13,000.00	Per DKS, assume 1 light every 150'	
0990-	ALLOWANCE FOR SCHOOL SPEED ZONE FLASHERS (DKS TO DESIGN)	1 LS	\$ -	\$ -		
0990-	ALLOWANCE FOR TRAFFIC SIGNALS (DKS TO DESIGN)	1 LS	\$ 250,000.00	\$ 250,000.00	Per DKS	
<b>PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL</b>				\$	26,300.00	
1012-0100000A	WATER QUALITY SWALE	1 LS	\$ 20,000.00	\$ 20,000.00		
1030-0102000E	SEEDING MOBILIZATION	1 EACH	\$ 600.00	\$ 600.00		
1030-0108000R	PERMANENT SEEDING	0.1 ACRE	\$ 3,000.00	\$ 300.00		
1030-0118000R	WATER QUALITY SEEDING	0.1 ACRE	\$ 4,000.00	\$ 400.00		
1040-	ALLOWANCE FOR LANDSCAPING (WALKER MACY)	1 LS	\$ 5,000.00	\$ 5,000.00		
<b>PART 01100 - WATER SUPPLY SYSTEMS</b>				\$	-	
				CONSTRUCTION SUBTOTAL	\$ 657,955.00	
				CONTINGENCY (30.0%)	\$ 197,387.00	Take after Const. Eng.
				<b>TOTAL ESTIMATED CONSTRUCTION COST</b>	<b>\$ 855,342.00</b>	
<b>SOFT COSTS</b>				24%	\$ 205,282.08	
DESIGN, ENGINEERING AND SURVEYING				10%	\$ 85,534.20	
CITY PERMIT FEE				7%	\$ 59,873.94	
GEOTECHNICAL INSPECTION				2%	\$ 17,106.84	
CONSTRUCTION MANAGEMENT				5%	\$ 42,767.10	
				<b>TOTAL ESTIMATED COST</b>	<b>\$ 1,060,624.08</b>	

**Cost Split Notes:**

- The City will be responsible for 75% of the costs to rebuild and signalize this intersection.
- The District will be responsible for 25% of the costs to rebuild and signalize the intersection.
- The City may establish a Reimbursement District to the extent the improvements benefit the Frog Pond Conceptual Plan development area.

CITY PORTION(75%)	\$ 795,468.00
DISTRICT PORTION(25%)	\$ 265,156.00

**General Notes:**

- Costs are preliminary. Estimate based on standard measurement and payment practices as specified in the 2015 Oregon Standard Specifications for Construction
- Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2014 dated 1/13/2015
- Allowances provided for traffic signals, street lighting and other traffic items. Costs to be verified with traffic consultant
- Allowance provided for landscaping. Costs to be verified with landscape consultant
- Estimate does not include right-of-way acquisition or settlements with adjacent private properties
- Estimate does not include costs for relocating utilities including transmission poles, gas, fiber and cable

SEWER LINE IMPROVEMENTS  
30% Construction Cost Estimate (DRAFT)  
Advance Road Middle School - Public Improvements

Advance Road Middle School  
School District  
Submitted 12/04/15

ITEM NUMBER	ITEM DESCRIPTION	CITY PORTION			DISTRICT PORTION			ITEM COST	REMARKS
		QUANTITY	UNIT PRICE	ITEM COST	QUANTITY	UNIT PRICE	ITEM COST		
PART 02000 - TEMPORARY FEATURES AND APPURTENANCES									
0210-0100000A	MOBILIZATION	1 LS	\$ 6,900.00	\$ 6,900.00	1 LS	\$ 11,400.00	\$ 11,400.00	10.0%	
0225-0101000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	1 LS	\$ 2,100.00	\$ 2,100.00	1 LS	\$ 3,400.00	\$ 3,400.00	3.0%	
0280-0100000A	EROSION CONTROL	1 LS	\$ 1,400.00	\$ 1,400.00	1 LS	\$ 2,300.00	\$ 2,300.00	2.0%	
PART 03000 - ROADWORK									
0305-0100000A	CONSTRUCTION SURVEY WORK	1 LS	\$ 1,400.00	\$ 1,400.00	1 LS	\$ 2,300.00	\$ 2,300.00	2.0%	
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1 LS	\$ 700.00	\$ 700.00	1 LS	\$ 1,100.00	\$ 1,100.00	1.0%	
PART 04000 - DRAINAGE AND SEWERS									
0405-0106000K	TRENCH FOUNDATION	6 CUYD	\$ 40.00	\$ 240.00	16 CUYD	\$ 40.00	\$ 640.00		
0415-0100000F	MAINLINE VIDEO INSPECTION	265 FOOT	\$ 3.00	\$ 795.00	677 FOOT	\$ 3.00	\$ 2,031.00		
0445-0300088F	8 INCH SANITARY SEWER PIPE, 10 FT DEPTH	0 FOOT	\$ 60.00	\$ -	126 FOOT	\$ 60.00	\$ 7,560.00		
0445-030012CF	12 INCH SANITARY SEWER PIPE, 20 FT DEPTH	60 FOOT	\$ 150.00	\$ 9,000.00	0 FOOT	\$ 150.00	\$ -		
0445-030015BF	15 INCH SANITARY SEWER PIPE, 10 FT DEPTH	151 FOOT	\$ 100.00	\$ 15,100.00	401 FOOT	\$ 100.00	\$ 40,100.00		
0445-030015CF	15 INCH SANITARY SEWER PIPE, 20 FT DEPTH	0 FOOT	\$ 180.00	\$ -	150 FOOT	\$ 180.00	\$ 27,000.00		
0445-030020CF	21 INCH SANITARY SEWER PIPE, 20 FT DEPTH	54 FOOT	\$ 210.00	\$ 11,340.00	0 FOOT	\$ 210.00	\$ -		
0470-0100000E	CONCRETE SANITARY SEWER MANHOLES	4 EACH	\$ 5,000.00	\$ 20,000.00	3 EACH	\$ 5,000.00	\$ 15,000.00		
0490-0104000E	CONNECTION TO EXISTING STRUCTURES	0 EACH	\$ 900.00	\$ -	1 EACH	\$ 900.00	\$ 900.00		
PART 06000 - BASES									
0670-0100000G	WEARING SURFACES		\$ -	\$ -		\$ -	\$ -		
0680-0100000H	PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES		\$ -	\$ -		\$ -	\$ -		
0690-0100000I	PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS		\$ -	\$ -		\$ -	\$ -		
0700-0100000J	RIGHT OF WAY DEVELOPMENT AND CONTROL		\$ -	\$ -		\$ -	\$ -		
0710-0100000K	WATER SUPPLY SYSTEMS		\$ -	\$ -		\$ -	\$ -		
ADJUSTMENT									
COST DIFFERENCE 8" TO 15" PIPE SIZE			\$ 40,774.00	\$ 40,774.00		\$ -	\$ -	To be determined.	
COST FOR ADDITIONAL DEPTH OF SEWER IN ADVANCE ROAD			\$ -	\$ -		\$ -	\$ -		
SUBTOTAL			\$ 130,442.00	\$ 130,442.00		\$ 107,076.00	\$ 107,076.00		
CONSTRUCTION SUBTOTAL			\$ 68,975.00	\$ 68,975.00		\$ 113,731.00	\$ 113,731.00		
CONTINGENCY (30.0%)			\$ 20,693.00	\$ 20,693.00		\$ 34,119.00	\$ 34,119.00	Take after Const. Eng.	
TOTAL CONSTRUCTION COST			\$ 89,668.00	\$ 89,668.00		\$ 147,850.00	\$ 147,850.00		
TOTAL WITH ADJUSTMENT			\$ 130,442.00	\$ 130,442.00		\$ 107,076.00	\$ 107,076.00		
CONSTRUCTION SUBTOTAL			\$ 21,520.32	\$ 21,520.32		\$ 35,484.00	\$ 35,484.00		
CONTINGENCY (24%)			\$ 5,164.88	\$ 5,164.88		\$ 8,566.80	\$ 8,566.80		
TOTAL ESTIMATED COST			\$ 26,685.20	\$ 26,685.20		\$ 44,050.80	\$ 44,050.80		
CONSTRUCTION SUBTOTAL			\$ 8,966.80	\$ 8,966.80		\$ 14,785.00	\$ 14,785.00		
CONTINGENCY (7%)			\$ 627.67	\$ 627.67		\$ 10,349.50	\$ 10,349.50		
TOTAL ESTIMATED COST			\$ 9,594.47	\$ 9,594.47		\$ 24,134.50	\$ 24,134.50		
CONSTRUCTION SUBTOTAL			\$ 1,793.36	\$ 1,793.36		\$ 2,957.00	\$ 2,957.00		
CONTINGENCY (2%)			\$ 358.67	\$ 358.67		\$ 592.80	\$ 592.80		
TOTAL ESTIMATED COST			\$ 2,152.03	\$ 2,152.03		\$ 3,549.80	\$ 3,549.80		
CONSTRUCTION SUBTOTAL			\$ 4,483.40	\$ 4,483.40		\$ 7,392.50	\$ 7,392.50		
CONTINGENCY (5%)			\$ 224.17	\$ 224.17		\$ 369.25	\$ 369.25		
TOTAL ESTIMATED COST			\$ 4,707.57	\$ 4,707.57		\$ 7,761.75	\$ 7,761.75		
TOTAL ESTIMATED COST			\$ 151,962.32	\$ 151,962.32		\$ 142,560.00	\$ 142,560.00		
TOTAL COSTS =			\$ 294,522.32	\$ 294,522.32		\$ 294,522.32	\$ 294,522.32		

**Cost Split Notes:**

- Costs associated with upsizing this section of the sanitary sewer main within Advance Road, from Wagner Street to 63rd Avenue, from 8" to 15", and any extra depth from an 8" line required to service the school site to the 15" line for Frog Pond, would be eligible for Sanitary Sewer SDC credits.
- The City will be responsible for the costs to extend the sewer trunk line west of the Wagner Street connecting manhole. The City may establish a Reimbursement District to the extent the improvements benefit the Frog Pond Conceptual Plan development area.

**General Notes:**

- Costs are preliminary. Estimate based on standard measurement and payment practices as specified in the 2015 Oregon Standard Specifications for Construction
- Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2014 dated 1/13/2015
- Allowances provided for traffic signals, street lighting and other traffic items. Costs to be verified with traffic consultant
- Allowance provided for landscaping. Costs to be verified with landscape consultant
- Estimate does not include right-of-way acquisition or settlements with adjacent private properties
- Estimate does not include costs for relocating utilities including transmission poles, gas, fiber and cable



WATER LINE IMPROVEMENTS  
30% Construction Cost Estimate (DRAFT)  
Advance Road Middle School - Public Improvements

Advance Road Middle School  
School District  
Submitted 12/04/15

ITEM NUMBER	ITEM DESCRIPTION	CITY PORTION			DISTRICT PORTION			ITEM COST	REMARKS
		QUANTITY	UNIT PRICE	ITEM COST	QUANTITY	UNIT PRICE	ITEM COST		
PART 00200 - TEMPORARY FEATURES AND APPURTENANCES									
0210-0100000A	MOBILIZATION	1	\$	4,600.00			\$	4,600.00	
0225-01010000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	1	\$	3,100.00			\$	3,100.00	10.0%
0280-0100000A	EROSION CONTROL	1	\$	900.00			\$	900.00	3.0%
		1	\$	600.00			\$	600.00	2.0%
PART 00300 - ROADWORK									
0305-0100000A	CONSTRUCTION SURVEY WORK	1	\$	900.00			\$	900.00	2.0%
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	\$	600.00			\$	600.00	1.0%
		1	\$	300.00			\$	300.00	
PART 00400 - DRAINAGE AND SEWERS									
PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES									
PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS									
PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL									
PART 01100 - WATER SUPPLY SYSTEMS									
1140-0145000F	6 INCH POTABLE WATER PIPE, FITTINGS & COUPLINGS WITH RESTRAINED JOINTS AND CLASS _____ BACKFILL	10	FOOT	\$	50.00	\$	500.00		
1140-0145000F	12 INCH POTABLE WATER PIPE, FITTINGS & COUPLINGS WITH RESTRAINED JOINTS AND CLASS _____ BACKFILL	128	FOOT	\$	80.00	\$	10,240.00		
1140-0300000E	12 INCH CONNECTION TO 12 INCH EXISTING MAIN	1	EACH	\$	2,500.00	\$	2,500.00		
1150-0100000E	12 INCH GATE VALVE	4	EACH	\$	2,000.00	\$	8,000.00		
1150-0600000E	2 INCH COMBINATION AIR RELEASE /AIR VACUUM VALVE ASSEMBLY	0	EACH	\$	4,000.00	\$	-		
1160-0100000E	HYDRANT ASSEMBLIES	1	EACH	\$	4,000.00	\$	4,000.00		
	METER AND SERVICE CONNECTION FOR L'SCAPED MEDIANS	2	EACH	\$	10,000.00	\$	20,000.00		
				CONSTRUCTION SUBTOTAL	\$	50,740.00		50,740.00	
				CONTINGENCY (30.0%)	\$	15,222.00		65,962.00	
				TOTAL CONSTRUCTION COST	\$	65,962.00		65,962.00	
						24%	\$	15,830.88	
				TOTAL ESTIMATED COST	\$	81,792.88		81,792.88	
SOFT COSTS									
				CONSTRUCTION SUBTOTAL	\$	212,160.00		212,160.00	
				CONTINGENCY (30.0%)	\$	63,648.00		275,808.00	Take after Const. Eng.
				TOTAL CONSTRUCTION COST	\$	275,808.00		275,808.00	
						24%	\$	66,193.92	
				TOTAL ESTIMATED COST	\$	342,001.92		342,001.92	
				CONSTRUCTION SUBTOTAL	\$	27,580.80		27,580.80	
				CONTINGENCY (10%)	\$	2,758.08		30,338.88	
				TOTAL ESTIMATED COST	\$	30,338.88		30,338.88	
				CONSTRUCTION SUBTOTAL	\$	19,306.56		19,306.56	
				CONTINGENCY (7%)	\$	1,351.46		20,658.02	
				TOTAL ESTIMATED COST	\$	20,658.02		20,658.02	
				CONSTRUCTION SUBTOTAL	\$	5,516.16		5,516.16	
				CONTINGENCY (2%)	\$	110.32		5,626.48	
				TOTAL ESTIMATED COST	\$	5,626.48		5,626.48	
				CONSTRUCTION SUBTOTAL	\$	13,790.40		13,790.40	
				CONTINGENCY (5%)	\$	689.52		14,479.92	
				TOTAL ESTIMATED COST	\$	14,479.92		14,479.92	

Cost Split Notes:

- The cost to design and construct this 12" water main from the terminus of the existing line near the City limit on Advance Road to the school site shall be borne by the District.
- The City will be responsible for the costs to tie into the existing water main and extend the water line northward through the intersection.
- The City may establish a Reimbursement District to the extent the improvements benefit the Frog Pond Conceptual Plan development area.

General Notes:

- Costs are preliminary. Estimate based on standard measurement and payment practices as specified in the 2015 Oregon Standard Specifications for Construction
- Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2014 dated 1/13/2015
- Allowances provided for traffic signals, street lighting and other traffic items. Costs to be verified with traffic consultant
- Allowance provided for landscaping. Costs to be verified with landscape consultant
- Estimate does not include right-of-way acquisition or settlements with adjacent private properties
- Estimate does not include costs for relocating utilities including transmission poles, gas, fiber and cable

TOTAL COSTS \$ 423,794.80