

SUMMARY OF QUANTITIES

PROJECT NO.	472-85213	
DATE	SEPT. 2016	
SCALE	NONE	
DESIGNED	DRAWN	CHECKED
JRA	LES	JRA
NO.	REVISION	DATE

REMOVAL OF EXISTING STRUCTURES*			
Location	Offset	Item	Remarks
21ST STREET:			
22+07	Lt.	Storm Inlet	
25+02	Rt.	Traffic Junction Box	
27+47	Lt.	Brick Column	
27+71	Lt.	Bick Column	
27+73	Lt.	Light Pole	Return to owner
27+76	Lt.	Light Pole	Return to owner
28+00	Rt.	Traffic Junction Box	
28+00	Rt.	Traffic Junction Box	
29+50	Lt.	Fire Hydrant and Branch	
29+53	Rt.	Traffic Junction Box	
29+55	Lt.	Traffic Signal Pole	Incl. signal appurtenances
29+57	Lt.	Traffic Junction Box	
29+61	Rt.	Traffic Signal Pole	Incl. signal appurtenances
30+44	Lt.	Traffic Signal Pole	Incl. signal appurtenances
30+55	Lt.	Traffic Junction Box	
30+58	Rt.	Traffic Signal Pole	Incl. signal appurtenances
30+58	Rt.	Traffic Junction Box	
30+68	Rt.	Traffic signal Controller	
30+74	Lt.	Traffic Junction Box	
31+67	Lt.	Traffic Junction Box	
33+05	Lt.	Traffic Junction Box	
OLIVER:			
41+67	29' Rt.	Fire Hydrant and Branch	
41+68	37' to 183' Rt.	145.7 L.F. Post and Cable Fence	Return Cable to Property Owner
46+35	59' Rt.	Fire Hydrant and Branch	
46+98	Rt.	Traffic Junction Box	
48+08	Rt.	Traffic Junction Box	
48+37	Rt.	Traffic Junction Box	
51+72	Lt.	Traffic Junction Box	
52+07	Lt.	2-Light Poles	Return to owner
52+09	Lt.	Brick Column	
52+29	Lt.	Brick Column	

* This list does not necessarily constitute a complete list of items to be removed during construction. The list is provided for information only. Pavement removal and tree removal are both paid for separately. Sign removals are shown in the signing plans. Water meters and appurtenances are listed in the Utility Adjustmet tables on the paving plan sheets. Approximately 1,700 feet of conduit connects the traffic signal junction boxes and poles.

SIDEWALK CONSTRUCTION										
Location	Side	Concrete Sidewalk 4" (sf)	Concrete Sidewalk 5" (sf)	Concrete Sidewalk 5", Reinf. (sf)	Sidewalk Thickening (lf)	Wheelchair Ramp w/ Detectable Warnings (ea)	Concrete Sidewalk Protection Curb (lf)	Bus Shelter, Removed & Replaced (ea)	Remarks	
21ST STREET:										
21st from Sta. 14+41.94 to Sta. 14+56.86	Rt.					1				
21st from Sta. 14+54.13 to Sta. 18+18.56	Rt.	3,632.53							10' Shared Use Path	
21st from Sta. 19+04.22 to Sta. 24+99.45	Rt.	5,949.14							10' Shared Use Path	
21st from Sta. 23+98.10 to Sta. 24+13.10	Rt.		249.82		15.00			1	Bus Pad	
21st from Sta. 24+13.52 to Sta. 27+52.74	Lt.	2,063.44			6.00					
21st from Sta. 25+29.45 to Sta. 29+33.58	Rt.		4,404.95						10' Shared Use Path	
21st from Sta. 27+67.74 to Sta. 29+37.05	Lt.	1,091.94								
21st from Sta. 29+37.05 to Sta. 29+46.27	Lt.					1				
21st from Sta. 29+33.58 to Sta. 29+43.07	Rt.					1				
21st from Sta. 30+50.98 to Sta. 30+60.88	Rt.					1				
21st from Sta. 30+60.88 to Sta. 30+71.04	Rt.	134.20			23.79					
21st from Sta. 30+62.07 to Sta. 30+76.94	Lt.					1				
21st from Sta. 30+71.04 to Sta. 30+90.90	Rt.					1				
21st from Sta. 30+76.94 to Sta. 34+30.22	Lt.	2,122.69								
21st from Sta. 30+90.90 to Sta. 33+17.66	Rt.	1,374.47			115.85					
21st from Sta. 30+83.06 to Sta. 30+90.06	Lt.						13.00		Signal Pedestal	
21st from Sta. 33+43.66 to Sta. 35+10.42	Rt.	1,000.57								
21st from Sta. 34+60.22 to Sta. 36+87.31	Lt.	1,354.70								
21st from Sta. 35+31.42 to Sta. 35+90.88	Rt.	356.73								
21st from Sta. 36+16.88 to Sta. 36+87.33	Rt.	418.66								
OLIVER:										
Oliver from Sta. 41+20.99 to Sta. 41+42.49	Lt.		214.95						10' Shared Use Path	
Oliver from Sta. 41+42.49 to Sta. 41+50.89	Lt.					1				
Oliver from Sta. 42+16.46 to Sta. 42+30.99	Lt.					1				
Oliver from Sta. 42+30.99 to Sta. 45+91.16	Lt.		3,601.66						10' Shared Use Path	
Oliver from Sta. 45+86.97 to Sta. 45+92.97	Rt.					1				
Oliver from Sta. 46+21.16 to Sta. 48+88.90	Lt.		2,677.39						10' Shared Use Path	
Oliver from Sta. 49+30.10 to Sta. 49+40.54	Lt.					1				
Oliver from Sta. 50+43.87 to Sta. 50+53.83	Lt.					1				
Oliver from Sta. 50+53.59 to Sta. 50+62.22	Rt.					1				
Oliver from Sta. 50+66.89 to Sta. 51+96.83	Lt.	823.57			103.19					
Oliver from Sta. 50+68.22 to Sta. 53+74.59	Rt.	1,853.85								
Oliver from Sta. 52+30.83 to Sta. 53+03.80	Lt.	441.37			77.47					
Oliver from Sta. 53+33.57 to Sta. 54+95.88	Lt.	975.39			162.81					
Oliver from Sta. 53+85.21 to Sta. 54+96.14	Lt.						111.41			
Oliver from Sta. 54+20.59 to Sta. 56+76.41	Rt.	1,534.89								
Oliver from Sta. 55+27.61 to Sta. 56+76.41	Lt.	902.14			14.75					
Various Locations										
		Totals	16,448.61	20,480.62	249.82	518.86	12	274.41	1	Not shown in plans

EARTHWORK							
Location	EXCAVATION ITEMS					Fill, Compacted (95% Density) (cy)	Remarks
	Pavement Removed (sy)	Sidewalk, Drive, &/or Pkg Lot Removed* (sy)	Grading, Ditch (lf)	Excavation (cy)	VMF		
Project	21,370.0	3,192.0					For entire project
21st St.				8,720.0	0.80	75.0	
Oliver				8,950.0	0.80	290.0	
Special Grading			135.3				
Intersection				1,081.0	0.80	0.0	
Totals	21,370.0	3,192.0	135.3	18,751.0		365.0	

* Includes all sidewalk, ramps, driveways, bus pads and all pavement on private property.

CONCRETE CURB AND GUTTER					
Location	Side	Concrete C & G, Type 1 (6" & 1-1/2") (lf)	Concrete C & G, Type 3 (8" & 1-1/2") (lf)	Concrete Ramp Nose Section (ea)	Remarks
21ST STREET:					
24+13.52 to 29+00.70	Lt.	487.36			
24+13.52 to 28+97.95	Rt.	485.34			
27+91.00 to 29+13.24	Median		234.48	2	
31+00.91 to 36+87.31	Lt.	586.44			
Sta. 30+90.53 to Sta. 33+00.42	Median		399.78	2	
30+99.92 to 36+87.31	Rt.	587.70			
OLIVER:					
38+20.99 to 41+46.21	Lt.	329.68			
38+20.99 to 45+67.01	Rt.	746.30			
42+30.60 to 45+72.27	Median		687.63		
42+42.99 to 48+98.45	Lt.	655.58			
46+53.89 to 49+09.98	Median		542.02	2	
46+53.89 to 49+10.08	Rt.	256.20			
50+87.13 to 56+76.41	Lt.	590.38			
50+74.91 to 52+76.91	Median		384.00	2	
51+00.41 to 56+76.41	Rt.	577.30			
Intersection 21st and Oliver		317.29			
Totals		5,619.57	2,247.91	8	

RETAINING WALL, MODULAR BLOCK			
Location	Side	SF-Face	Remarks
21st from Sta. 14+56.86 to Sta. 14+81.71	Rt.	11.57	
21st from Sta. 14+48.03 to Sta. 15+00.53	Rt.	51.21	
21st from Sta. 30+57.06 to Sta. 31+40.00	Rt.	96.03	
Totals		158.81	

CONCRETE PAVEMENT AND BASE					
Location	Side	Concrete Pavement 9" (Reinf.) (sy)	Concrete Pavement 9" (NRDJ) (sy)	Crushed Rock Base 6", Reinforced (sy)	Remarks
21st from Sta. 27+91.00 to 28+97.95	Lt.		261.4	334.2	
21st from Sta. 27+91.00 to 28+97.95	Rt.		653.6	726.3	
21st from Sta. 31+00.91 to 31+96.66	Lt.		585.2	651.7	
21st from Sta. 31+00.91 to 31+96.66	Rt.		234.1	300.6	
Oliver from Sta. 41+20.99 - 48+98.45	C/L		6,710.9	7,605.6	
Oliver from Sta. 51+00.41 to 51+96.41	Lt.		586.7	653.3	
Oliver from Sta. 51+00.41 to 51+96.41	Rt.		352.0	418.7	
21st & Oliver Intersection		2,913.3		3,090.1	
Totals		2,913.3	9,383.9	13,780.5	

ASPHALT PAVEMENT AND BASE					
Location	Side	AC Pavement 7" (5" Bit Base) (sy)	AC Pavement 2" Mill & Overlay (sy)	Crushed Rock Base 8", Reinforced (sy)	Remarks
21st from Sta. 24+13.52 to Sta. 27+91.00		3,074.7		3,368.7	
21st from Sta. 31+96.66 to Sta. 36+87.31		4,082.2		4,528.4	
21st from Sta. 36+87.31 to Sta. 43+70.00			4,889.3		
Oliver from Sta. 38+20.99 to Sta. 41+20.99		1,832.3		2,065.9	
Oliver from Sta. 51+96.41 to Sta. 56+76.41		4,059.7		4,484.2	
Oliver Special Grading at Sta. 41+82					
Totals		13,048.9	4,889.3	14,447.2	

REINFORCED CONCRETE VALLEY GUTTER							
Location	Side	Concrete Pavement (VG) 8" (Reinf.) (sy)	Crushed Rock Base 7", Reinforced (sy)	Concrete Curb, Mono Edge (6" & 1-1/2") (lf)	Concrete Curb, Mono Edge (8") (lf)	Asphalt Hookup (sy)	Remarks
Oliver Sta. 41+94.60	56.50 Lt.	226.2	238.0	76.73	34.70		
Oliver Sta. 46+08.43	79.93 Rt.	190.4	201.5	103.10		28.9	
Totals		416.6	439.5	179.83	34.70	28.9	

BRICK PAVERS						
Location	Side	Brick Pavers, Crosswalk (sy)	Concrete Base 8" (Reinf.)* (sy)	Brick Pavers, Median (sy)	Brick Pavers, Sidewalk (sy)	Remarks
21ST STREET:						
21st from Sta. 27+96.00 to Sta. 29+13.24	Median			52.1		
21st from Sta. 29+28.15	Lt. & Rt.	112.0	112.0			
21st from Sta. 30+79.94	Lt. & Rt.	102.1	102.1			
21st from Sta. 30+95.53 to Sta. 32+95.42	Median			88.9		
21st from Sta. 30+57.06 to Sta. 30+89.99	Rt.				23.4	
OLIVER:						
Oliver from Sta. 46+58.89 to Sta. 49+04.98	Median			109.4		
Oliver from Sta. 49+23.50	Lt. & Rt.	114.9	114.9			
Oliver from Sta. 50+64.87	Lt. & Rt.	125.5	125.5			
Oliver from Sta. 50+79.91 to Sta. 52+71.91	Median			85.4		
Totals		454.5	454.5	335.8	23.4	

* Concrete base below the pavers will be measured and paid for separately. Crushed Rock Base will be measured and paid for as part of the bid item "Crushed Rock Base 6", Reinforced".

SUMMARY OF WATER ITEMS																						
Line No.	Pipe, D1CL 6" (lf)	Pipe, D1CL 8" (lf)	Pipe, D1CL 12" (lf)	Pipe, WL 8" (lf)	Pipe, WL 12" (lf)	Valve Assy., 6" (ea)	Valve Assy., 8" (ea)	Valve Assy., 12" (ea)	Fire Hydrant (ea)	Fire Hydrant Relocation (ea)	Pipe, Cut & Cap (ea)	Pipe, Plug (Water) (ea)	Valve Box Adjusted* (ea)	Air Release (ea)	Water Meter Adjusted* (ea)	Water Meter Relocated* (ea)	Water Meter Relocated, Special (ea)	Short Service* (ea)	Private Service Line Replaced* (lf)	Concrete C & G Removed and Replaced (Utility Patch) (ea)	AC Pavement 6", Temporary (Utility Patch) (sy)	
Line 1		29	59		165		2				8		1									
Line 2			23		401		1	1			4		4								296	56
FH #1	14								1			1										24
FH #2				</																		