

Olive Avenue - SR 303L to Reems Road Sealed Earthwork Report

Project Number TT0561
Contract No. 2015-029

February, 2026



Prepared for:

Maricopa County Department of Transportation
2901 W. Durango
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Prepared by:

TYLin

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**Olive Avenue - SR 303L to Reems Road
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Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Date 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Earthwork Calculation Summary Table

EXCAVATION	
Roadway Excavation ⁽¹⁾	18,828 CY
Drainage Excavation ⁽²⁾⁽⁶⁾	23,717 CY
Channel Excavation	20,916 CY
Pipe Excavation	9,202 CY
Structural Excavation	4,413 CY
Pavement Structural Section Adjustment ⁽⁸⁾	1,580 CY
Total Excavation	78,656 CY
Total Adjustments including Shrink⁽⁷⁾	6,139 CY
Total Excavation Available for Embankment⁽³⁾	72,517 CY
EMBANKMENT	
Roadway Embankment	50,956 CY
Pipe Bedding	2,898
Pipe Backfill ⁽⁵⁾	3,533
Trench Backfill	4,854
Total Embankment	55,810 CY
Ground Compaction ⁽⁴⁾	- CY
Total Required Embankment	55,810 CY
ESTIMATED ROADWAY EXPORT	
Waste Material	(16,707) CY

Notes:

- (1) Asphalt Removals included in Roadway Excavation.
- (2) Drainage Excavation for basins along roadside
- (3) It is assumed that all on-site material can be utilized for construction.
- (4) It is assumed that Ground Compaction is negligible due to limited heights of embankment.
- (5) It is assumed that Pipe Bedding and Pipe Backfill will be imported materials.
- (6) Basin volumes computed separately beginning at top of roadway hinge point.
- (7) Shrink is applied only to the excavation used for embankment
- (8) Total Roadway Excavation includes Pavement Structural Section Adjustment.

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Water Calculation Summary Table

BASE MATERIAL		
Base Material	16,085	CY
Total Base Material	16,085	CY
Gallons of Water to use for Base	1,447,650	Gal
EMBANKMENT		
Roadway Embankment	50,955	CY
Gallons of Water to use for Embankment	4,585,950	Gal
TOTALS		
Gallons of Water to use for Base	1,447,650	Gal
Gallons of Water to use for Embankment	4,585,950	Gal
M. Gallons of Water for Project	6,035	M.Gal

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Combined Roadway Earthwork Volumes

Location	Project	
	Cut	Fill
	Volume (CY)	Volume (CY)
Olive Avenue	6,738	44,554
Sarival Avenue	7,216	2,105
Reems Road	4,874	182
Channel Excavation	20,916	2,024
Basins	23,717	2,092
Pipe Excavation	9,200	
Structural Excavation	4,413	
Pavement Structural Section Adjustment ¹	1,580	-
Total Volume (CY)	78,655	50,956

1 - Structural Section increased from 10" to 10.5". Cross Sections not remodeled, 0.5" x Area of Pavement Computed to reflect the increased cut resulting from the 0.5" increase in depth. Computed as follows - 113,474 SY of subgrade preparation for the project multiplied by 0.5".

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Olive Avenue Earthwork Volumes

Station	Olive Avenue				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
169+15.43	0.00	0.00	0.00	0.00	0.00	0.00
169+50.00	0.00	0.00	0.00	0.00	0.00	0.00
170+00.00	0.00	0.00	0.00	0.00	0.00	0.00
170+50.00	0.00	0.00	0.00	0.00	0.00	0.00
171+00.00	53.06	49.13	10.78	9.98	49.13	9.98
171+50.00	41.70	87.74	17.45	26.15	136.87	36.13
172+00.00	30.03	66.42	25.81	40.06	203.29	76.19
172+50.00	33.55	58.87	35.42	56.70	262.16	132.89
173+00.00	30.61	59.41	13.47	45.27	321.57	178.16
173+50.00	27.16	53.49	14.31	25.72	375.06	203.88
174+00.00	27.87	50.96	17.19	29.17	426.02	233.05
174+50.00	29.66	53.27	16.84	31.51	479.29	264.56
175+00.00	33.22	58.23	11.13	25.90	537.52	290.46
175+50.00	39.24	67.09	11.86	21.29	604.61	311.75
176+00.00	49.92	82.55	14.18	24.11	687.16	335.86
176+50.00	55.88	97.96	12.97	25.14	785.12	361.00
177+00.00	76.99	123.03	12.39	23.48	908.15	384.48
177+50.00	0.00	71.28	0.00	11.47	979.43	395.95
178+00.00	10.74	9.95	27.21	25.20	989.38	421.15
178+50.00	2.47	12.23	65.09	85.47	1,001.61	506.62
179+00.00	28.72	28.88	165.03	213.08	1,030.49	719.70
179+50.00	27.33	51.90	152.69	294.19	1,082.39	1,013.89
180+00.00	28.71	51.89	131.45	263.10	1,134.28	1,276.99
180+50.00	37.15	60.99	22.60	142.64	1,195.27	1,419.63
180+69.00	35.78	25.66	27.25	17.54	1,220.93	1,437.17
181+14.00	35.31	59.24	24.12	42.81	1,280.17	1,479.98
181+50.00	3.30	25.74	196.70	147.23	1,305.91	1,627.21
182+00.00	61.77	60.25	8.75	190.23	1,366.16	1,817.44
182+50.00	98.32	148.23	0.71	8.76	1,514.39	1,826.20
183+00.00	85.39	170.10	3.35	3.76	1,684.49	1,829.96
183+50.00	85.18	157.93	1.64	4.62	1,842.42	1,834.58
184+00.00	23.35	100.49	43.24	41.56	1,942.91	1,876.14
184+50.00	19.12	39.32	37.88	75.11	1,982.23	1,951.25
185+00.00	25.82	41.61	24.11	57.41	2,023.84	2,008.66
185+50.00	26.60	48.54	26.32	46.70	2,072.38	2,055.36
186+00.00	49.27	70.25	7.62	31.42	2,142.63	2,086.78
186+18.00	53.50	34.26	11.46	6.36	2,176.89	2,093.14
186+50.00	23.58	45.68	31.91	25.70	2,222.57	2,118.84

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Olive Avenue Earthwork Volumes

Station	Olive Avenue				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
187+00.00	13.31	34.16	45.24	71.43	2,256.73	2,190.27
187+50.00	13.51	24.84	51.94	89.97	2,281.57	2,280.24
188+00.00	5.87	17.94	67.80	110.87	2,299.51	2,391.11
188+50.00	14.77	19.11	73.13	130.49	2,318.62	2,521.60
188+85.45	7.83	14.84	70.99	94.62	2,333.46	2,616.22
189+00.00	7.73	4.19	71.99	38.52	2,337.65	2,654.74
189+50.00	5.49	12.24	113.48	171.73	2,349.89	2,826.47
190+00.00	4.85	9.57	71.20	171.00	2,359.46	2,997.47
190+50.00	10.17	13.91	62.74	124.02	2,373.37	3,121.49
191+00.00	11.37	19.94	63.87	117.24	2,393.31	3,238.73
191+50.00	6.90	16.92	58.25	113.08	2,410.23	3,351.81
192+00.00	1.61	7.88	138.98	182.62	2,418.11	3,534.43
192+50.00	3.11	4.37	95.86	217.44	2,422.48	3,751.87
193+00.00	0.39	3.24	141.75	220.01	2,425.72	3,971.88
193+50.00	0.04	0.39	214.46	329.83	2,426.11	4,301.71
193+60.00	0.01	0.01	225.65	81.50	2,426.12	4,383.21
193+68.16	0.00	0.00	256.97	72.93	2,426.12	4,456.14
194+00.00	0.00	0.00	319.42	339.85	2,426.12	4,795.99
194+50.00	0.00	0.00	330.86	602.11	2,426.12	5,398.10
195+00.00	0.00	0.00	351.24	631.57	2,426.12	6,029.67
195+50.00	0.00	0.00	341.97	641.86	2,426.12	6,671.53
196+00.00	0.00	0.00	379.55	668.08	2,426.12	7,339.61
196+50.00	0.00	0.00	385.34	708.24	2,426.12	8,047.85
197+00.00	0.00	0.00	312.15	645.83	2,426.12	8,693.68
197+33.84	0.00	0.00	274.73	367.74	2,426.12	9,061.42
197+60.00	0.00	0.00	257.29	257.77	2,426.12	9,319.19
198+00.00	0.00	0.00	242.56	370.25	2,426.12	9,689.44
198+50.00	0.00	0.00	222.74	430.83	2,426.12	10,120.27
199+00.00	0.00	0.00	204.57	395.66	2,426.12	10,515.93
199+50.00	0.00	0.00	191.78	366.99	2,426.12	10,882.92
200+00.00	0.00	0.00	172.02	336.85	2,426.12	11,219.77
200+50.00	3.18	2.95	150.08	298.24	2,429.07	11,518.01
201+00.00	0.00	2.95	147.88	275.89	2,432.02	11,793.90
201+50.00	0.00	0.00	139.04	265.67	2,432.02	12,059.57
202+00.00	0.00	0.00	122.40	242.07	2,432.02	12,301.64
202+13.99	0.00	0.00	118.01	62.29	2,432.02	12,363.93
202+30.00	0.00	0.00	115.23	69.15	2,432.02	12,433.08
202+70.00	0.00	0.00	109.40	166.39	2,432.02	12,599.47

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	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
202+83.54	0.00	0.00	122.98	58.26	2,432.02	12,657.73
203+00.00	0.00	0.00	121.79	74.61	2,432.02	12,732.34
203+50.00	0.00	0.00	141.09	243.40	2,432.02	12,975.74
204+00.00	0.00	0.00	136.75	257.26	2,432.02	13,233.00
204+20.00	0.00	0.00	133.89	100.24	2,432.02	13,333.24
204+46.42	0.00	0.00	132.61	130.38	2,432.02	13,463.62
204+50.00	0.00	0.00	133.01	17.61	2,432.02	13,481.23
205+00.00	0.00	0.00	205.59	313.51	2,432.02	13,794.74
205+50.00	0.00	0.00	224.87	398.57	2,432.02	14,193.31
205+79.94	0.00	0.00	226.37	250.19	2,432.02	14,443.50
206+00.00	0.00	0.00	211.88	162.80	2,432.02	14,606.30
206+50.00	0.00	0.00	207.28	388.11	2,432.02	14,994.41
207+00.00	0.00	0.00	221.81	397.30	2,432.02	15,391.71
207+50.00	0.00	0.00	212.69	402.31	2,432.02	15,794.02
208+00.00	0.00	0.00	206.80	388.42	2,432.02	16,182.44
208+50.00	0.00	0.00	185.85	363.57	2,432.02	16,546.01
209+00.00	0.00	0.00	184.31	342.74	2,432.02	16,888.75
209+50.00	0.00	0.00	168.56	326.73	2,432.02	17,215.48
210+00.00	0.00	0.00	155.35	299.91	2,432.02	17,515.39
210+50.00	0.00	0.00	141.38	274.74	2,432.02	17,790.13
210+97.50	0.00	0.00	104.42	216.21	2,432.02	18,006.34
211+28.06	0.36	0.20	98.34	114.77	2,432.22	18,121.11
211+50.00	1.74	0.85	82.51	73.46	2,433.07	18,194.57
212+00.00	8.58	9.56	70.35	141.54	2,442.63	18,336.11
212+50.00	8.90	16.19	60.78	121.41	2,458.82	18,457.52
213+00.00	12.76	20.06	63.40	114.98	2,478.88	18,572.50
213+50.00	17.30	27.84	50.75	105.69	2,506.72	18,678.19
214+00.00	23.88	38.14	43.67	87.42	2,544.86	18,765.61
214+50.00	30.93	50.75	47.17	84.10	2,595.61	18,849.71
215+00.00	37.83	63.66	43.24	83.71	2,659.27	18,933.42
215+45.00	43.27	67.58	44.91	73.46	2,726.85	19,006.88
217+39.76	46.62	324.20	47.49	333.28	3,051.05	19,340.16
217+50.00	44.34	17.25	48.34	18.17	3,068.30	19,358.33
217+69.72	41.57	31.36	48.67	35.42	3,099.66	19,393.75
218+00.00	47.29	49.84	50.01	55.34	3,149.50	19,449.09
218+50.00	44.82	85.29	50.44	93.01	3,234.79	19,542.10
219+00.00	46.64	84.68	54.60	97.26	3,319.47	19,639.36
219+50.00	45.27	85.10	53.77	100.34	3,404.57	19,739.70

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Olive Avenue Earthwork Volumes

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	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
220+00.00	34.18	73.56	42.81	89.43	3,478.13	19,829.13
220+08.00	96.64	0.00	31.77	0.00	3,478.13	19,829.13
220+50.00	45.20	110.32	33.16	50.50	3,588.45	19,879.63
221+00.00	58.31	95.85	30.81	59.23	3,684.30	19,938.86
221+50.00	34.46	85.90	43.49	68.80	3,770.20	20,007.66
222+00.00	35.65	64.91	44.21	81.21	3,835.11	20,088.87
222+50.00	18.42	50.06	68.13	104.02	3,885.17	20,192.89
223+00.00	23.21	38.55	92.01	148.27	3,923.72	20,341.16
223+50.00	20.68	40.64	95.77	173.87	3,964.36	20,515.03
224+00.00	46.85	62.53	107.84	188.53	4,026.89	20,703.56
224+35.00	0.00	30.37	112.18	142.61	4,057.26	20,846.17
224+50.00	0.00	0.00	114.94	63.09	4,057.26	20,909.26
225+00.00	0.00	0.00	126.02	223.11	4,057.26	21,132.37
225+50.00	0.00	0.00	136.45	243.03	4,057.26	21,375.40
226+00.00	0.00	0.00	144.94	260.55	4,057.26	21,635.95
226+50.00	0.00	0.00	152.58	275.49	4,057.26	21,911.44
227+00.00	0.00	0.00	165.75	294.75	4,057.26	22,206.19
227+50.00	0.00	0.00	182.28	322.24	4,057.26	22,528.43
228+00.00	0.00	0.00	197.24	351.41	4,057.26	22,879.84
228+50.00	0.00	0.00	200.17	367.98	4,057.26	23,247.82
229+00.00	0.00	0.00	204.20	374.42	4,057.26	23,622.24
229+50.00	0.00	0.00	214.74	387.91	4,057.26	24,010.15
230+00.00	0.00	0.00	220.31	402.83	4,057.26	24,412.98
230+50.00	0.00	0.00	229.57	416.56	4,057.26	24,829.54
231+00.00	0.00	0.00	234.77	429.95	4,057.26	25,259.49
231+50.00	0.00	0.00	236.27	436.14	4,057.26	25,695.63
232+00.00	0.00	0.00	237.56	438.73	4,057.26	26,134.36
232+50.00	0.00	0.00	238.15	440.48	4,057.26	26,574.84
233+00.00	0.00	0.00	211.48	416.33	4,057.26	26,991.17
233+50.00	0.00	0.00	193.39	374.88	4,057.26	27,366.05
234+00.00	0.00	0.00	179.33	345.11	4,057.26	27,711.16
234+50.00	0.00	0.00	172.66	325.91	4,057.26	28,037.07
235+00.00	0.00	0.00	160.93	308.88	4,057.26	28,345.95
235+50.00	0.00	0.00	154.41	291.98	4,057.26	28,637.93
236+00.00	0.00	0.00	144.32	276.60	4,057.26	28,914.53
236+50.00	0.00	0.00	131.26	255.16	4,057.26	29,169.69
237+00.00	0.00	0.00	119.69	232.36	4,057.26	29,402.05
237+50.00	0.00	0.00	122.78	224.51	4,057.26	29,626.56

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	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
238+00.00	0.00	0.00	139.55	242.90	4,057.26	29,869.46
238+50.00	0.26	0.24	143.80	262.36	4,057.50	30,131.82
239+00.00	0.00	0.24	131.10	254.53	4,057.74	30,386.35
239+50.00	0.00	0.00	142.73	253.54	4,057.74	30,639.89
240+00.00	0.00	0.00	194.23	311.99	4,057.74	30,951.88
240+50.00	0.00	0.00	199.12	364.21	4,057.74	31,316.09
241+00.00	0.00	0.00	192.81	362.90	4,057.74	31,678.99
241+50.00	0.00	0.00	200.45	364.13	4,057.74	32,043.12
242+00.00	0.00	0.00	203.24	373.78	4,057.74	32,416.90
242+50.00	0.00	0.00	212.31	384.76	4,057.74	32,801.66
243+00.00	0.00	0.00	207.65	388.85	4,057.74	33,190.51
243+50.00	0.00	0.00	207.33	384.24	4,057.74	33,574.75
244+00.00	0.00	0.00	208.79	385.30	4,057.74	33,960.05
244+50.00	0.00	0.00	211.46	389.13	4,057.74	34,349.18
245+00.00	0.00	0.00	216.18	395.97	4,057.74	34,745.15
245+50.00	0.00	0.00	208.24	392.99	4,057.74	35,138.14
246+00.00	0.00	0.00	202.94	380.73	4,057.74	35,518.87
246+50.00	0.00	0.00	200.97	373.99	4,057.74	35,892.86
247+00.00	0.00	0.00	199.59	370.88	4,057.74	36,263.74
247+50.00	0.00	0.00	195.10	365.45	4,057.74	36,629.19
248+00.00	0.00	0.00	203.06	368.67	4,057.74	36,997.86
248+50.00	0.00	0.00	206.05	378.81	4,057.74	37,376.67
249+00.00	0.00	0.00	205.54	381.11	4,057.74	37,757.78
249+50.00	0.00	0.00	200.19	375.67	4,057.74	38,133.45
250+00.00	0.00	0.00	201.11	371.57	4,057.74	38,505.02
250+50.00	0.00	0.00	202.61	373.82	4,057.74	38,878.84
251+00.00	0.00	0.00	205.42	377.81	4,057.74	39,256.65
251+50.00	0.00	0.00	207.08	381.95	4,057.74	39,638.60
252+00.00	0.00	0.00	199.44	376.42	4,057.74	40,015.02
252+50.00	0.00	0.00	194.61	364.87	4,057.74	40,379.89
253+00.00	0.00	0.00	189.48	355.64	4,057.74	40,735.53
253+50.00	0.00	0.00	181.01	343.05	4,057.74	41,078.58
254+00.00	0.00	0.00	162.14	317.73	4,057.74	41,396.31
254+50.00	0.00	0.00	164.14	302.12	4,057.74	41,698.43
255+00.00	0.08	0.08	171.39	310.67	4,057.82	42,009.10
255+50.00	0.63	0.66	165.46	311.89	4,058.48	42,320.99
256+00.00	4.61	4.85	149.02	291.18	4,063.33	42,612.17
256+50.00	8.71	12.34	126.23	254.87	4,075.67	42,867.04

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Olive Avenue Earthwork Volumes

Station	Olive Avenue				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
257+00.00	15.06	22.01	107.26	216.20	4,097.68	43,083.24
257+50.00	20.30	32.74	101.04	192.87	4,130.42	43,276.11
258+00.00	22.37	39.51	90.81	177.64	4,169.93	43,453.75
258+50.00	28.07	46.71	87.00	164.64	4,216.64	43,618.39
259+00.00	33.76	57.25	77.35	152.17	4,273.89	43,770.56
259+50.00	41.56	69.74	69.23	135.72	4,343.63	43,906.28
260+00.00	47.45	82.42	61.73	121.26	4,426.05	44,027.54
260+50.00	51.32	91.46	55.50	108.55	4,517.51	44,136.09
261+00.00	59.75	102.85	45.58	93.59	4,620.36	44,229.68
261+50.00	66.83	117.20	44.97	83.84	4,737.56	44,313.52
262+00.00	84.50	140.12	28.83	68.33	4,877.68	44,381.85
262+50.00	98.13	169.10	8.58	34.64	5,046.78	44,416.49
263+00.00	129.98	211.21	5.99	13.49	5,257.99	44,429.98
263+50.00	119.57	231.06	20.31	24.35	5,489.05	44,454.33
264+00.00	120.43	222.22	24.75	41.72	5,711.27	44,496.05
264+50.00	131.49	233.26	7.33	29.71	5,944.53	44,525.76
264+70.00	131.05	97.24	1.72	3.35	6,041.77	44,529.11
266+25.00	111.50	696.20	6.92	24.78	6,737.97	44,553.89
Total Volume (CY)					6,738	44,554

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Sarival Avenue Earthwork Volumes

Station	Sarival Avenue				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
1+08.00	0.00	0.00	0.00	0.00	0.00	0.00
1+50.00	0.00	0.00	0.00	0.00	0.00	0.00
2+00.00	0.00	0.00	0.00	0.00	0.00	0.00
2+50.00	0.00	0.00	0.00	0.00	0.00	0.00
3+00.00	0.00	0.00	0.00	0.00	0.00	0.00
3+50.00	0.00	0.00	0.00	0.00	0.00	0.00
4+00.00	0.00	0.00	0.00	0.00	0.00	0.00
4+50.00	0.00	0.00	0.00	0.00	0.00	0.00
5+00.00	0.00	0.00	0.00	0.00	0.00	0.00
5+50.00	0.00	0.00	0.00	0.00	0.00	0.00
6+00.00	0.00	0.00	0.00	0.00	0.00	0.00
6+50.00	0.00	0.00	0.00	0.00	0.00	0.00
7+00.00	0.00	0.00	0.00	0.00	0.00	0.00
7+50.00	0.00	0.00	0.00	0.00	0.00	0.00
8+00.00	0.00	0.00	0.00	0.00	0.00	0.00
8+50.00	0.00	0.00	0.00	0.00	0.00	0.00
9+00.00	0.00	0.00	0.00	0.00	0.00	0.00
9+50.00	0.00	0.00	0.00	0.00	0.00	0.00
10+00.00	0.00	0.00	0.00	0.00	0.00	0.00
10+50.00	0.00	0.00	0.00	0.00	0.00	0.00
11+00.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50.00	0.00	0.00	0.00	0.00	0.00	0.00
12+00.00	0.00	0.00	0.00	0.00	0.00	0.00
12+50.00	0.00	0.00	0.00	0.00	0.00	0.00
13+00.00	0.00	0.00	0.00	0.00	0.00	0.00
13+50.00	60.75	56.25	1.02	0.94	56.25	0.94
14+00.00	57.55	109.54	0.88	1.76	165.79	2.70
14+50.00	58.45	107.40	0.28	1.07	273.19	3.77
15+00.00	38.42	89.69	2.31	2.40	362.88	6.17
15+50.00	23.85	57.67	15.06	16.08	420.55	22.25
15+58.59	37.61	9.78	12.31	4.35	430.33	26.60
16+00.00	14.01	39.59	30.21	32.61	469.92	59.21
16+50.00	7.06	19.51	51.94	76.07	489.43	135.28
17+00.00	1.76	8.17	122.01	161.06	497.60	296.34
17+50.00	3.80	5.15	95.91	201.78	502.75	498.12
18+00.00	6.83	9.84	99.18	180.63	512.59	678.75
18+50.00	18.04	23.03	75.06	161.33	535.62	840.08
19+00.00	22.89	37.90	54.32	119.80	573.52	959.88

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Sarival Avenue Earthwork Volumes

Station	Sarival Avenue				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
19+50.00	33.45	52.16	46.83	93.66	625.68	1,053.54
20+00.00	29.60	58.38	52.46	91.93	684.06	1,145.47
20+50.00	37.15	61.81	48.78	93.74	745.87	1,239.21
21+00.00	58.04	88.14	23.75	67.16	834.01	1,306.37
21+50.00	86.68	134.00	22.17	42.52	968.01	1,348.89
22+00.00	84.14	158.17	25.91	44.52	1,126.18	1,393.41
22+50.00	74.93	147.29	42.75	63.57	1,273.47	1,456.98
22+62.33	73.23	33.82	52.94	21.84	1,307.29	1,478.82
24+70.37	18.14	351.99	61.25	439.94	1,659.28	1,918.76
25+00.00	86.55	57.44	11.55	39.94	1,716.72	1,958.70
25+50.00	99.87	172.61	8.88	18.92	1,889.33	1,977.62
26+00.00	116.17	200.04	2.95	10.96	2,089.37	1,988.58
26+50.00	120.25	218.91	2.79	5.31	2,308.28	1,993.89
27+00.00	111.85	214.91	2.55	4.94	2,523.19	1,998.83
27+50.00	111.72	207.01	7.06	8.90	2,730.20	2,007.73
28+00.00	108.09	203.53	7.42	13.41	2,933.73	2,021.14
28+50.00	107.40	199.53	6.64	13.02	3,133.26	2,034.16
29+00.00	137.16	226.45	2.04	8.04	3,359.71	2,042.20
29+50.00	148.40	264.41	2.16	3.89	3,624.12	2,046.09
30+00.00	135.18	262.57	2.21	4.05	3,886.69	2,050.14
30+50.00	125.11	241.01	2.23	4.11	4,127.70	2,054.25
31+00.00	138.63	244.20	2.22	4.12	4,371.90	2,058.37
31+50.00	141.40	259.29	2.07	3.98	4,631.19	2,062.35
32+00.00	132.06	253.21	1.86	3.64	4,884.40	2,065.99
32+50.00	128.07	240.86	1.68	3.28	5,125.26	2,069.27
33+00.00	112.03	222.31	1.44	2.89	5,347.57	2,072.16
33+50.00	108.41	204.11	1.40	2.63	5,551.68	2,074.79
34+00.00	102.32	195.12	1.42	2.61	5,746.80	2,077.40
34+50.00	95.47	183.14	1.14	2.37	5,929.94	2,079.77
35+00.00	95.35	176.69	1.00	1.98	6,106.63	2,081.75
35+50.00	90.52	172.10	1.12	1.96	6,278.73	2,083.71
36+00.00	62.71	141.88	1.23	2.17	6,420.61	2,085.88
36+50.00	63.11	116.49	2.51	3.46	6,537.10	2,089.34
37+00.00	62.90	116.67	4.83	6.80	6,653.77	2,096.14
37+50.00	67.48	120.72	0.01	4.48	6,774.49	2,100.62
38+00.00	46.75	105.76	0.02	0.03	6,880.25	2,100.65
38+50.00	37.42	77.94	0.17	0.18	6,958.19	2,100.83
39+00.00	30.08	62.50	0.51	0.63	7,020.69	2,101.46

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road Date: 18-Feb-26
 Project No.: TT0561 Prepared By: A. SADOW
 Contract No.: 2015-029 Checked By: C. MILNER

Sarival Avenue Earthwork Volumes

Station	Sarival Avenue				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
39+50.00	22.34	48.54	0.60	1.02	7,069.23	2,102.48
40+00.00	21.07	40.19	0.68	1.18	7,109.42	2,103.66
40+50.00	19.45	37.52	0.18	0.80	7,146.94	2,104.46
41+00.00	17.39	34.11	0.00	0.17	7,181.05	2,104.63
41+50.00	14.12	29.17	0.01	0.01	7,210.22	2,104.64
41+64.00	9.57	6.14	0.14	0.04	7,216.36	2,104.68
Total Volume (CY)					7,216	2,105

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Reems Road Earthwork Volumes

Station	Reems Road				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
42+02.00	42.20	0.00	0.56	0.00	0.00	0.00
42+50.00	39.94	73.02	0.44	0.89	73.02	0.89
43+00.00	36.10	70.41	1.01	1.34	143.43	2.23
43+50.00	28.05	59.39	1.14	1.99	202.82	4.22
43+68.95	28.06	19.69	0.82	0.69	222.51	4.91
44+00.00	33.30	35.28	0.47	0.74	257.79	5.65
44+50.00	42.39	70.08	0.00	0.43	327.87	6.08
45+00.00	63.50	98.04	0.00	0.00	425.91	6.08
45+50.00	73.95	127.27	0.00	0.00	553.18	6.08
46+00.00	83.29	145.60	0.00	0.00	698.78	6.08
46+01.53	83.42	4.72	0.00	0.00	703.50	6.08
46+50.00	53.76	123.14	7.04	6.32	826.64	12.40
47+00.00	114.01	155.35	6.37	12.41	981.99	24.81
47+50.00	100.84	198.94	2.80	8.49	1,180.93	33.30
48+00.00	89.72	176.45	2.57	4.97	1,357.38	38.27
48+50.00	71.08	148.89	3.67	5.77	1,506.27	44.04
49+00.00	67.62	128.43	13.61	16.00	1,634.70	60.04
49+20.00	62.66	48.25	15.79	10.89	1,682.95	70.93
50+92.00	52.27	366.08	12.45	89.95	2,049.03	160.88
51+00.00	61.15	16.80	6.84	2.86	2,065.83	163.74
51+50.00	119.11	166.91	1.22	7.46	2,232.74	171.20
52+00.00	96.28	199.43	4.62	5.41	2,432.17	176.61
52+50.00	157.68	235.15	0.00	4.28	2,667.32	180.89
53+00.00	167.24	300.86	0.00	0.00	2,968.18	180.89
53+50.00	175.32	317.19	0.00	0.00	3,285.37	180.89
54+00.00	156.47	307.21	0.22	0.20	3,592.58	181.09
54+17.14	106.51	83.46	0.04	0.08	3,676.04	181.17
54+50.00	148.77	155.36	0.00	0.03	3,831.40	181.20
54+67.00	133.22	88.75	0.00	0.00	3,920.15	181.20
55+00.00	125.21	157.96	0.00	0.00	4,078.11	181.20
55+50.00	109.30	217.14	0.00	0.00	4,295.25	181.20
56+00.00	90.61	185.10	0.00	0.00	4,480.35	181.20
56+50.00	68.96	147.75	0.00	0.00	4,628.10	181.20
56+79.53	58.71	69.82	0.00	0.00	4,697.92	181.20
57+00.00	53.72	42.62	0.00	0.00	4,740.54	181.20
57+50.00	45.72	92.07	0.04	0.04	4,832.61	181.24
57+77.00	36.99	41.36	0.52	0.28	4,873.97	181.52

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road Date: 18-Feb-26
 Project No.: TT0561 Prepared By: A. SADOW
 Contract No.: 2015-029 Checked By: C. MILNER

Reems Road Earthwork Volumes

Station	Reems Road				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
Total Volume (CY)					4,874	182

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Channel Excavation Earthwork Volumes

Station	Channel Excavation				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
210+68.61	0.00	0.00	0.00	0.00	0.00	0.00
211+00.00	51.20	29.76	0.00	0.15	29.76	0.15
211+50.00	50.70	94.35	0.00	0.00	124.11	0.15
212+00.00	70.80	112.50	0.00	0.00	236.61	0.15
212+50.00	69.50	129.91	0.00	0.00	366.52	0.15
213+00.00	76.50	135.19	0.00	0.00	501.71	0.15
213+50.00	77.80	142.87	0.00	0.00	644.58	0.15
214+00.00	103.50	167.87	0.00	0.00	812.45	0.15
214+50.00	99.50	187.96	0.00	0.00	1,000.41	0.15
215+00.00	297.30	367.41	0.00	0.00	1,367.82	0.15
215+50.00	129.00	394.72	0.00	0.00	1,762.54	0.15
220+50.00	0.00	0.00	0.00	0.00	1,762.54	0.15
221+00.00	0.00	0.00	0.00	0.00	1,762.54	0.15
221+50.00	0.00	0.00	0.00	0.00	1,762.54	0.15
222+00.00	0.00	0.00	0.00	0.00	1,762.54	0.15
222+50.00	0.00	0.00	0.00	0.00	1,762.54	0.15
223+00.00	0.00	0.00	0.00	0.00	1,762.54	0.15
223+50.00	0.00	0.00	0.00	0.00	1,762.54	0.15
224+00.00	0.00	0.00	0.00	0.00	1,762.54	0.15
224+35.00	158.73	102.88	6.88	4.46	1,865.42	4.61
224+50.00	154.42	86.99	6.42	3.70	1,952.41	8.31
225+00.00	149.23	281.16	6.60	12.06	2,233.57	20.37
225+50.00	135.48	263.62	8.15	13.66	2,497.19	34.03
226+00.00	134.41	249.90	8.48	15.40	2,747.09	49.43
226+50.00	161.30	273.81	7.18	14.50	3,020.90	63.93
227+00.00	152.62	290.67	7.99	14.05	3,311.57	77.98
227+50.00	154.43	284.30	8.97	15.70	3,595.87	93.68
228+00.00	150.29	282.15	10.16	17.71	3,878.02	111.39
228+50.00	145.76	274.12	11.60	20.15	4,152.14	131.54
229+00.00	141.29	265.79	11.75	21.62	4,417.93	153.16
229+50.00	134.82	255.67	12.81	22.74	4,673.60	175.90
230+00.00	129.16	244.43	12.16	23.12	4,918.03	199.02
230+50.00	125.26	235.57	12.17	22.52	5,153.60	221.54
231+00.00	122.47	229.38	12.72	23.05	5,382.98	244.59
231+50.00	120.01	224.52	13.33	24.12	5,607.50	268.71
232+00.00	118.35	220.70	13.67	24.99	5,828.20	293.70
232+50.00	110.48	211.88	15.98	27.45	6,040.08	321.15
233+00.00	110.88	204.96	13.50	27.29	6,245.04	348.44

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Channel Excavation Earthwork Volumes

Station	Channel Excavation				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
233+50.00	117.78	211.72	12.07	23.67	6,456.76	372.11
234+00.00	117.10	217.48	11.44	21.77	6,674.24	393.88
234+50.00	154.61	251.58	11.04	20.81	6,925.82	414.69
235+00.00	148.83	280.96	12.28	21.59	7,206.78	436.28
235+50.00	152.16	278.70	11.38	21.91	7,485.48	458.19
236+00.00	161.66	290.58	11.04	20.77	7,776.06	478.96
236+50.00	155.43	293.61	10.67	20.11	8,069.67	499.07
237+00.00	147.29	280.30	9.23	18.42	8,349.97	517.49
237+50.00	129.25	256.06	8.35	16.27	8,606.03	533.76
238+00.00	112.13	223.50	10.61	17.55	8,829.53	551.31
238+50.00	99.38	195.84	11.17	20.17	9,025.37	571.48
239+00.00	100.69	185.25	9.44	19.09	9,210.62	590.57
239+50.00	98.60	184.52	8.26	16.40	9,395.14	606.97
240+00.00	132.20	213.70	16.48	22.91	9,608.84	629.88
240+50.00	135.89	248.24	15.83	29.91	9,857.08	659.79
241+00.00	135.73	251.50	15.50	29.01	10,108.58	688.80
241+50.00	128.85	244.98	17.25	30.33	10,353.56	719.13
242+00.00	128.27	238.07	17.89	32.54	10,591.63	751.67
242+50.00	127.21	236.55	18.07	33.30	10,828.18	784.97
243+00.00	123.00	231.68	18.09	33.48	11,059.86	818.45
243+50.00	117.17	222.38	19.38	34.69	11,282.24	853.14
244+00.00	113.25	213.36	20.65	37.06	11,495.60	890.20
244+50.00	110.43	207.12	21.49	39.01	11,702.72	929.21
245+00.00	149.87	241.02	19.26	37.72	11,943.74	966.93
245+50.00	148.22	276.01	19.67	36.04	12,219.75	1,002.97
246+00.00	146.79	273.16	17.81	34.70	12,492.91	1,037.67
246+50.00	142.74	268.09	18.38	33.50	12,761.00	1,071.17
247+00.00	139.95	261.75	18.48	34.13	13,022.75	1,105.30
247+50.00	137.44	256.84	19.28	34.97	13,279.59	1,140.27
248+00.00	138.02	255.06	18.77	35.24	13,534.65	1,175.51
248+50.00	126.59	245.02	20.42	36.29	13,779.67	1,211.80
249+00.00	122.69	230.82	20.86	38.22	14,010.49	1,250.02
249+50.00	118.30	223.14	20.50	38.29	14,233.63	1,288.31
250+00.00	116.71	217.60	21.25	38.65	14,451.23	1,326.96
250+50.00	108.27	208.31	21.84	39.90	14,659.54	1,366.86
251+00.00	106.16	198.54	22.81	41.35	14,858.08	1,408.21
251+50.00	146.19	233.66	19.78	39.43	15,091.74	1,447.64
252+00.00	138.45	263.55	22.38	39.04	15,355.29	1,486.68

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Channel Excavation Earthwork Volumes

Station	Channel Excavation				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
252+50.00	135.61	253.76	22.65	41.70	15,609.05	1,528.38
253+00.00	131.47	247.29	23.60	42.82	15,856.34	1,571.20
253+50.00	129.70	241.82	22.27	42.47	16,098.16	1,613.67
254+00.00	127.31	237.97	21.46	40.49	16,336.13	1,654.16
254+50.00	126.40	234.92	18.25	36.77	16,571.05	1,690.93
255+00.00	116.68	225.08	13.11	29.03	16,796.13	1,719.96
255+50.00	114.38	213.95	10.32	21.69	17,010.08	1,741.65
256+00.00	115.75	213.09	9.25	18.12	17,223.17	1,759.77
256+50.00	124.97	222.89	16.04	23.42	17,446.06	1,783.19
257+00.00	121.23	227.96	16.48	30.10	17,674.02	1,813.29
257+50.00	122.87	226.02	15.68	29.77	17,900.04	1,843.06
258+00.00	119.58	224.49	14.38	27.83	18,124.53	1,870.89
258+50.00	122.28	223.94	13.56	25.87	18,348.47	1,896.76
259+00.00	121.75	225.95	11.66	23.35	18,574.42	1,920.11
259+50.00	122.30	225.97	9.93	19.99	18,800.39	1,940.10
260+00.00	120.35	224.67	10.32	18.74	19,025.06	1,958.84
260+50.00	122.40	224.76	9.38	18.23	19,249.82	1,977.07
261+00.00	125.91	229.92	7.08	15.24	19,479.74	1,992.31
261+50.00	159.28	264.07	3.99	10.25	19,743.81	2,002.56
262+00.00	246.80	376.01	1.38	4.98	20,119.82	2,007.54
262+50.00	175.65	391.16	6.85	7.62	20,510.98	2,015.16
263+00.00	131.12	284.05	1.40	7.64	20,795.03	2,022.80
263+50.00	0.00	121.41	0.00	1.30	20,916.44	2,024.10
264+00.00	0.00	0.00	0.00	0.00	20,916.44	2,024.10
Total Volume (CY)					20,916	2,024

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road Date: 18-Feb-26
 Project No.: TT0561 Prepared By: A. SADOW
 Contract No.: 2015-029 Checked By: C. MILNER

Olive Ave and Sarival Ave Basins Earthwork Volumes

Note: Basin volumes computed separately beginning at top of roadway hinge point.
 Note: Basin volumes include removal of berm in BNSF R/W.

Station	Olive Ave and Sarival Ave Basins				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
Olive Avenue						
169+15.43	18.05	0.00	0.00	0.00	0.00	0.00
169+50.00	16.12	21.88	0.00	0.00	21.88	0.00
170+00.00	16.47	30.17	0.04	0.03	52.05	0.03
170+50.00	15.11	29.24	0.05	0.08	81.29	0.11
171+00.00	13.68	26.66	83.64	77.49	107.95	77.60
171+50.00	12.91	24.62	112.15	181.28	132.57	258.88
172+00.00	13.54	24.50	129.67	223.91	157.07	482.79
172+50.00	12.09	23.73	132.42	242.67	180.80	725.46
173+00.00	38.50	46.84	11.03	132.82	227.64	858.28
173+50.00	83.30	112.77	1.28	11.40	340.41	869.68
174+00.00	86.89	157.58	0.95	2.06	497.99	871.74
174+50.00	82.97	157.28	0.26	1.12	655.27	872.86
175+00.00	15.27	90.96	21.81	20.43	746.23	893.29
175+50.00	104.41	110.81	0.03	20.22	857.04	913.51
176+00.00	96.13	185.69	2.47	2.31	1,042.73	915.82
176+50.00	77.84	161.08	3.23	5.28	1,203.81	921.10
177+00.00	17.19	87.98	0.00	2.99	1,291.79	924.09
177+50.00	218.14	217.90	0.02	0.02	1,509.69	924.11
178+00.00	204.60	391.43	0.05	0.06	1,901.12	924.17
178+50.00	198.83	373.55	0.26	0.29	2,274.67	924.46
179+00.00	181.63	352.28	1.78	1.89	2,626.95	926.35
179+50.00	159.74	316.08	8.47	9.49	2,943.03	935.84
180+00.00	131.93	270.06	13.10	19.97	3,213.09	955.81
180+50.00	121.75	234.89	2.41	14.36	3,447.98	970.17
180+69.00	17.21	48.89	0.00	0.85	3,496.87	971.02
181+14.00	17.54	28.96	0.00	0.00	3,525.83	971.02
181+50.00	275.75	195.54	1.47	0.98	3,721.37	972.00
182+00.00	270.37	505.67	1.04	2.32	4,227.04	974.32
182+50.00	299.30	527.47	0.00	0.96	4,754.51	975.28
183+00.00	268.88	526.09	0.59	0.54	5,280.60	975.82
183+50.00	279.48	507.75	0.02	0.57	5,788.35	976.39
184+00.00	250.64	490.86	0.23	0.24	6,279.21	976.63
184+50.00	241.39	455.59	0.44	0.62	6,734.80	977.25
185+00.00	223.98	430.90	0.48	0.86	7,165.70	978.11
185+50.00	210.46	402.26	0.58	0.99	7,567.96	979.10

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Olive Ave and Sarival Ave Basins Earthwork Volumes

Note: Basin volumes computed separately beginning at top of roadway hinge point.

Note: Basin volumes include removal of berm in BNSF R/W.

Station	Olive Ave and Sarival Ave Basins				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
186+00.00	210.23	389.53	0.32	0.83	7,957.49	979.93
186+18.00	4.96	71.73	0.00	0.11	8,029.22	980.04
186+50.00	0.00	2.94	0.00	0.00	8,032.16	980.04
187+00.00	0.00	0.00	0.00	0.00	8,032.16	980.04
187+50.00	0.00	0.00	0.00	0.00	8,032.16	980.04
188+00.00	0.00	0.00	0.00	0.00	8,032.16	980.04
188+50.00	0.00	0.00	0.00	0.00	8,032.16	980.04
188+85.45	0.00	0.00	0.00	0.00	8,032.16	980.04
189+00.00	83.86	22.59	6.39	1.72	8,054.75	981.76
189+50.00	79.17	150.95	7.66	13.01	8,205.70	994.77
190+00.00	77.74	145.29	5.19	11.90	8,350.99	1,006.67
190+50.00	61.35	128.79	7.24	11.50	8,479.78	1,018.17
191+00.00	59.16	111.59	6.43	12.66	8,591.37	1,030.83
191+50.00	57.50	108.02	4.87	10.46	8,699.39	1,041.29
192+00.00	45.34	95.22	7.91	11.84	8,794.61	1,053.13
192+50.00	29.37	69.18	15.77	21.93	8,863.79	1,075.06
193+00.00	20.82	46.47	20.81	33.87	8,910.26	1,108.93
193+50.00	16.00	34.09	23.55	41.08	8,944.35	1,150.01
193+60.00	14.77	5.70	24.34	8.87	8,950.05	1,158.88
193+68.16	0.00	2.23	0.00	3.68	8,952.28	1,162.56
194+00.00	0.00	0.00	0.00	0.00	8,952.28	1,162.56
194+50.00	0.00	0.00	0.00	0.00	8,952.28	1,162.56
195+00.00	0.00	0.00	0.00	0.00	8,952.28	1,162.56
195+50.00	0.00	0.00	0.00	0.00	8,952.28	1,162.56
196+00.00	0.00	0.00	0.00	0.00	8,952.28	1,162.56
196+50.00	0.00	0.00	0.00	0.00	8,952.28	1,162.56
197+00.00	0.00	0.00	0.00	0.00	8,952.28	1,162.56
197+33.84	0.00	0.00	0.00	0.00	8,952.28	1,162.56
197+60.00	237.42	115.03	12.46	6.03	9,067.31	1,168.59
198+00.00	212.49	333.26	14.17	19.72	9,400.57	1,188.31
198+50.00	188.01	370.83	14.89	26.91	9,771.40	1,215.22
199+00.00	165.25	327.09	16.17	28.76	10,098.49	1,243.98
199+50.00	144.39	286.70	13.75	27.70	10,385.19	1,271.68
200+00.00	124.11	248.61	13.19	24.94	10,633.80	1,296.62
200+50.00	105.06	212.20	12.51	23.80	10,846.00	1,320.42
201+00.00	87.74	178.52	12.82	23.46	11,024.52	1,343.88

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Olive Ave and Sarival Ave Basins Earthwork Volumes

Note: Basin volumes computed separately beginning at top of roadway hinge point.
 Note: Basin volumes include removal of berm in BNSF R/W.

Station	Olive Ave and Sarival Ave Basins				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
201+50.00	72.94	148.77	12.55	23.49	11,173.29	1,367.37
202+00.00	59.40	122.53	13.11	23.76	11,295.82	1,391.13
202+13.99	56.51	30.03	12.96	6.76	11,325.85	1,397.89
202+30.00	149.19	60.99	20.57	9.94	11,386.84	1,407.83
202+70.00	153.32	224.08	18.70	29.08	11,610.92	1,436.91
202+83.54	113.07	66.79	6.98	6.44	11,677.71	1,443.35
203+00.00	115.53	69.69	7.18	4.32	11,747.40	1,447.67
203+50.00	123.76	221.56	7.28	13.39	11,968.96	1,461.06
204+00.00	134.05	238.72	5.87	12.17	12,207.68	1,473.23
204+20.00	134.93	99.62	5.60	4.25	12,307.30	1,477.48
204+46.42	0.00	66.01	0.00	2.74	12,373.31	1,480.22
204+50.00	0.00	0.00	0.00	0.00	12,373.31	1,480.22
205+00.00	0.00	0.00	0.00	0.00	12,373.31	1,480.22
205+50.00	0.00	0.00	0.00	0.00	12,373.31	1,480.22
205+79.94	0.00	0.00	0.00	0.00	12,373.31	1,480.22
206+00.00	118.81	44.14	31.94	11.86	12,417.45	1,492.08
206+50.00	118.97	220.17	30.73	58.02	12,637.62	1,550.10
207+00.00	124.19	225.14	29.28	55.57	12,862.76	1,605.67
207+50.00	130.95	236.23	25.61	50.83	13,098.99	1,656.50
208+00.00	130.79	242.35	25.05	46.91	13,341.34	1,703.41
208+50.00	131.52	242.89	22.74	44.25	13,584.23	1,747.66
209+00.00	128.88	241.12	20.66	40.18	13,825.35	1,787.84
209+50.00	126.33	236.31	19.60	37.28	14,061.66	1,825.12
210+00.00	123.39	231.23	16.88	33.78	14,292.89	1,858.90
210+50.00	123.47	228.58	14.27	28.85	14,521.47	1,887.75
210+97.50	0.00	108.61	0.00	12.55	14,630.08	1,900.30
211+28.06	0.00	0.00	0.00	0.00	14,630.08	1,900.30
211+50.00	141.17	57.34	9.88	4.01	14,687.42	1,904.31
212+00.00	140.91	261.19	8.71	17.22	14,948.61	1,921.53
212+50.00	141.20	261.22	8.31	15.76	15,209.83	1,937.29
213+00.00	140.88	261.19	6.83	14.01	15,471.02	1,951.30
213+50.00	136.37	256.71	10.81	16.33	15,727.73	1,967.63
214+00.00	132.22	248.70	8.92	18.27	15,976.43	1,985.90
214+50.00	127.54	240.52	10.61	18.08	16,216.95	2,003.98
215+00.00	116.35	225.82	12.62	21.51	16,442.77	2,025.49
215+45.00	112.62	190.81	12.45	20.90	16,633.58	2,046.39

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Olive Ave and Sarival Ave Basins Earthwork Volumes

Note: Basin volumes computed separately beginning at top of roadway hinge point.
 Note: Basin volumes include removal of berm in BNSF R/W.

Station	Olive Ave and Sarival Ave Basins				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
217+39.76	0.00	406.19	0.00	44.91	17,039.77	2,091.30
217+50.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
217+69.72	0.00	0.00	0.00	0.00	17,039.77	2,091.30
218+00.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
218+50.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
219+00.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
219+50.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
220+00.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
220+10.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
220+35.50	0.00	0.00	0.00	0.00	17,039.77	2,091.30
270+00.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
270+30.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
270+74.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
271+00.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
271+50.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
272+00.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
272+50.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
273+00.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
273+30.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
273+50.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
274+00.00	0.00	0.00	0.00	0.00	17,039.77	2,091.30
Sarival Avenue						
1+08.00	0.00	0.00	0.00	0.00	0.00	0.00
1+50.00	0.00	0.00	0.00	0.00	0.00	0.00
2+00.00	0.00	0.00	0.00	0.00	0.00	0.00
2+50.00	0.00	0.00	0.00	0.00	0.00	0.00
3+00.00	0.00	0.00	0.00	0.00	0.00	0.00
3+50.00	0.00	0.00	0.00	0.00	0.00	0.00
4+00.00	0.00	0.00	0.00	0.00	0.00	0.00
4+50.00	0.00	0.00	0.00	0.00	0.00	0.00
5+00.00	0.00	0.00	0.00	0.00	0.00	0.00
5+50.00	0.00	0.00	0.00	0.00	0.00	0.00
6+00.00	0.00	0.00	0.00	0.00	0.00	0.00
6+50.00	0.00	0.00	0.00	0.00	0.00	0.00
7+00.00	0.00	0.00	0.00	0.00	0.00	0.00
7+50.00	0.00	0.00	0.00	0.00	0.00	0.00

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Olive Ave and Sarival Ave Basins Earthwork Volumes

Note: Basin volumes computed separately beginning at top of roadway hinge point.
 Note: Basin volumes include removal of berm in BNSF R/W.

Station	Olive Ave and Sarival Ave Basins				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
8+00.00	0.00	0.00	0.00	0.00	0.00	0.00
8+50.00	0.00	0.00	0.00	0.00	0.00	0.00
9+00.00	0.00	0.00	0.00	0.00	0.00	0.00
9+50.00	0.00	0.00	0.00	0.00	0.00	0.00
10+00.00	0.00	0.00	0.00	0.00	0.00	0.00
10+50.00	0.00	0.00	0.00	0.00	0.00	0.00
11+00.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50.00	0.00	0.00	0.00	0.00	0.00	0.00
12+00.00	0.00	0.00	0.00	0.00	0.00	0.00
12+50.00	0.00	0.00	0.00	0.00	0.00	0.00
13+00.00	0.00	0.00	0.00	0.00	0.00	0.00
13+50.00	0.00	0.00	0.00	0.00	0.00	0.00
14+00.00	0.00	0.00	0.00	0.00	0.00	0.00
14+50.00	0.00	0.00	0.00	0.00	0.00	0.00
15+00.00	0.00	0.00	0.00	0.00	0.00	0.00
15+50.00	0.00	0.00	0.00	0.00	0.00	0.00
15+58.59	0.00	0.00	0.00	0.00	0.00	0.00
16+00.00	0.00	0.00	0.00	0.00	0.00	0.00
16+50.00	0.00	0.00	0.00	0.00	0.00	0.00
17+00.00	0.00	0.00	0.00	0.00	0.00	0.00
17+50.00	0.00	0.00	0.00	0.00	0.00	0.00
18+00.00	39.65	36.71	0.00	0.00	36.71	0.00
18+50.00	147.77	173.53	0.11	0.10	210.24	0.10
19+00.00	158.59	283.66	0.00	0.10	493.90	0.20
19+50.00	89.93	230.11	0.00	0.00	724.01	0.20
20+00.00	0.00	83.27	0.00	0.00	807.28	0.20
20+50.00	0.00	0.00	0.00	0.00	807.28	0.20
21+00.00	0.00	0.00	0.00	0.00	807.28	0.20
21+50.00	0.00	0.00	0.00	0.00	807.28	0.20
22+00.00	0.00	0.00	0.00	0.00	807.28	0.20
22+50.00	0.00	0.00	0.00	0.00	807.28	0.20
22+62.33	0.00	0.00	0.00	0.00	807.28	0.20
24+70.37	0.00	0.00	0.00	0.00	807.28	0.20
25+00.00	0.00	0.00	0.00	0.00	807.28	0.20
25+50.00	178.44	165.23	0.05	0.05	972.51	0.25
26+00.00	176.29	328.46	0.00	0.05	1,300.97	0.30

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road Date: 18-Feb-26
 Project No.: TT0561 Prepared By: A. SADOW
 Contract No.: 2015-029 Checked By: C. MILNER

Olive Ave and Sarival Ave Basins Earthwork Volumes

Note: Basin volumes computed separately beginning at top of roadway hinge point.
 Note: Basin volumes include removal of berm in BNSF R/W.

Station	Olive Ave and Sarival Ave Basins				Accumulated	
	Cut		Fill		Cut	Fill
	Area (SF)	Volume (CY)	Area (SF)	Volume (CY)	Volume (CY)	Volume (CY)
26+50.00	175.10	325.37	0.00	0.00	1,626.34	0.30
27+00.00	209.43	356.05	0.00	0.00	1,982.39	0.30
27+50.00	249.90	425.31	0.00	0.00	2,407.70	0.30
28+00.00	283.60	493.99	0.00	0.00	2,901.69	0.30
28+50.00	301.80	542.04	0.00	0.00	3,443.73	0.30
29+00.00	324.79	580.18	0.00	0.00	4,023.91	0.30
29+50.00	385.38	657.57	0.00	0.00	4,681.48	0.30
30+00.00	421.96	747.54	0.01	0.01	5,429.02	0.31
30+50.00	463.27	819.66	0.00	0.01	6,248.68	0.32
31+00.00	0.00	428.95	0.00	0.00	6,677.63	0.32
31+50.00	0.00	0.00	0.00	0.00	6,677.63	0.32
32+00.00	0.00	0.00	0.00	0.00	6,677.63	0.32
32+50.00	0.00	0.00	0.00	0.00	6,677.63	0.32
33+00.00	0.00	0.00	0.00	0.00	6,677.63	0.32
33+50.00	0.00	0.00	0.00	0.00	6,677.63	0.32
34+00.00	0.00	0.00	0.00	0.00	6,677.63	0.32
34+50.00	0.00	0.00	0.00	0.00	6,677.63	0.32
35+00.00	0.00	0.00	0.00	0.00	6,677.63	0.32
35+50.00	0.00	0.00	0.00	0.00	6,677.63	0.32
36+00.00	0.00	0.00	0.00	0.00	6,677.63	0.32
36+50.00	0.00	0.00	0.00	0.00	6,677.63	0.32
37+00.00	0.00	0.00	0.00	0.00	6,677.63	0.32
37+50.00	0.00	0.00	0.00	0.00	6,677.63	0.32
38+00.00	0.00	0.00	0.00	0.00	6,677.63	0.32
38+50.00	0.00	0.00	0.00	0.00	6,677.63	0.32
39+00.00	0.00	0.00	0.00	0.00	6,677.63	0.32
39+50.00	0.00	0.00	0.00	0.00	6,677.63	0.32
40+00.00	0.00	0.00	0.00	0.00	6,677.63	0.32
40+50.00	0.00	0.00	0.00	0.00	6,677.63	0.32
41+00.00	0.00	0.00	0.00	0.00	6,677.63	0.32
41+50.00	0.00	0.00	0.00	0.00	6,677.63	0.32
41+64.00	0.00	0.00	0.00	0.00	6,677.63	0.32
Total Volume (CY)					23,717	2,092

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Pipe Earthwork Quantities

Pipe Location	Inside Diameter (in)	Length (ft)	Trench Width (ft)	Avg Trench Depth (ft)	Pipe Void (CY)	Pipe* Ex. (CY)	Pipe Bedding (CY)	Pipe** Backfill (CY)	Trench Backfill (CY)
Sarival 37+30	18	46	4	4	5	27	8	11	3
Olive 176+60	18	22	4	10	3	31	4	6	19
Olive 186+50	18	46	4	3	5	20	8	11	0
Olive Mainline	60	222	9	11	207	784	134	170	273
Olive Mainline	60	447	9	12	418	1722	270	342	693
Olive Mainline	60	435	9	13	406	1815	262	333	814
Olive Mainline	60	235	9	13	220	981	142	180	439
Olive Mainline	60	295	9	14	276	1326	178	226	646
Olive Mainline	60	89	9	14	83	400	54	68	195
Sarival 1-8'x5' RCBC	60	377.5	16	8	764	1771		671	336
Olive 180+60	24	20.0	5	12	4	40	4	53	0
Olive 180+60 to 181+40	18	78.0	4	12	9	139	13	19	98
Olive 177+55	18	21	4	4	2	12	3	6	1
Olive 177+55	18	74	4	4	9	44	12	18	5
Olive 186+00	18	21	4	5	2	16	3	6	4
Olive 186+00	18	76	4	6	9	68	12	19	27
Olive 188+75 to 190+41	24	27.5	5	11	5	50	6	8	32
Olive 188+75 to 190+41	24	130	5	10	24	217	26	37	130
Olive 210+64	18	76	4	3	9	34	12	19	0
Olive 210+64	18	25	4	3	3	11	4	6	0
Olive 215+40	18	88	4	5	10	65	14	21	20
Olive 215+40	18	24.5	4	4	3	15	4	6	2
Olive 220+00	18	76	4	4	9	45	12	19	5
Olive 220+00	18	38	4	5	4	28	6	10	7
Olive 181+00	18	19.5	4	12	2	35	3	5	24
Olive 181+00	18	77.5	4	12	9	138	13	19	97
Olive 217+16	24	47.0	5	7	9	55	9	14	23
Olive 228+40	18	116	4	5	13	86	19	28	25
Olive 236+40	18	116	4	4	13	69	19	28	8
Olive 239+34 2-8'x5' RCBC	48	126	25	5	136	578	259	140	42
Olive 244+40	18	116	4	4	13	69	19	28	8
Olive 252+40	18	115	4	6	13	102	19	28	42
Olive 260+30	18	118	4	6	14	105	19	29	43

**Olive Avenue - SR 303L to Reems Road
TT0561**

Project Name: Olive Avenue - SR 303L to Reems Road
 Project No.: TT0561
 Contract No.: 2015-029

Date: 18-Feb-26
 Prepared By: A. SADOW
 Checked By: C. MILNER

Pipe Earthwork Quantities

Pipe Location	Inside Diameter (in)	Length (ft)	Trench Width (ft)	Avg Trench Depth (ft)	Pipe Void (CY)	Pipe* Ex. (CY)	Pipe Bedding (CY)	Pipe** Backfill (CY)	Trench Backfill (CY)
Olive 262+76 2-8'x5' RCBC	60	142	22	5	133	572	315	221	0
Olive 256+76 2-8'x5' RCBC	60	95	22	6	89	459	211	148	12
Olive 263+83 2-10'x6' RCBC	72	120.0	25	0	0	0	423	213	0
Olive 264+00 1-8'x4' RCBC	48	143	22	9	90	1033	280	222	441
Olive 264+69	18	165	4	8	19	196	27	40	109
Sarival 25+35	18	38	4	6	4	34	6	10	13
Sarival 25+35	18	98.5	4	5	11	73	16	24	21
Reems 46+68	18	109	4	8	13	129	18	26	72
Reems 51+38	18	188	4	8	22	223	31	45	125

Total Volumes (CY) 3094 13613 2898 3533 4854

* For Box Culverts this is calculated as structural excavation
 ** For Box Culverts this is calculated as structure backfill