

# Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: W-5704E

COUNTY: Johnston

DATE: 01.23.2026

COMPILED BY: NGP

SHEET 1 OF 1 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL
-L- 13+00.00 LT	-L- 42+00.00 LT	1,790				1,790	1,049		1,049	1,206			584		584
-L- 13+00.00 RT	-L- 42+00.00 RT	1,843				1,843	1,699		1,699	1,954	111				
-Y1- 14+50.00	-Y1- 14+93.61	32				32	17		17	20			12		12
-Y2- 10+22.00	-Y2- 14+00.00	447				447	256		256	294			153		153
-DRW2- 10+18.00	-DRW2- 11+70.00	41				41	14		14	16			25		25
-Y3- 15+00.00	-Y3- 15+37.16	34				34	1		1	1			33		33
-Y3- 15+81.16	-Y3- 16+50.00	120				120	6		6	7			113		113
<b>SUBTOTAL</b>		<b>4,307</b>				<b>4,307</b>	<b>3,042</b>		<b>3,042</b>	<b>3,498</b>	<b>111</b>		<b>920</b>		<b>920</b>
-L- 42+00.00 LT	-L- 70+50.00 LT	1,613				1,613	1,009		1,009	1,160			453		453
-L- 42+00.00 RT	-L- 70+50.00 RT	1,568				1,568	1,227		1,227	1,411			157		157
-Y4- 10+34.00	-Y4- 14+50.00	471				471	373		373	429			42		42
-Y5- 15+00.00	-Y5- 15+42.30	92				92							92		92
-Y6- 14+50.00	-Y6- 14+97.55	53				53	1		1	1			52		52
-Y6- 15+57.55	-Y6- 16+00.00	6				6	2		2	2			4		4
-Y7- 11+50.00	-Y7- 15+10.15	167				167	193		193	222	55				
-Y7- 15+59.69	-Y7- 25+82.48	2,634				2,634	1,306		1,306	1,502			1,132		1,132
-Y9- 14+00.00	-Y9- 15+15.89	65				65	14		14	16			49		49
-DRW1- 11+22.11	-DRW1- 11+88.08	2				2	2		2	2					
-DRW3- 10+18.00	-DRW3- 11+06.99	16				16	128		128	147	131				
<b>SUBTOTAL</b>		<b>6,687</b>				<b>6,687</b>	<b>4,255</b>		<b>4,255</b>	<b>4,892</b>	<b>186</b>		<b>1,981</b>		<b>1,981</b>
-L- 70+50.00 LT	-L- 82+00.00 LT	17				17	657		657	756	739				
-L- 70+50.00 RT	-L- 82+00.00 RT	377				377	2,236		2,236	2,571	2,194				
-Y8- 12+00.00	-Y8- 15+20.84	501				501	124		124	143			358		358
-Y8- 15+76.51	-Y8- 21+00.00	148				148	108		108	124			24		24
<b>SUBTOTAL</b>		<b>1,043</b>				<b>1,043</b>	<b>3,125</b>		<b>3,125</b>	<b>3,594</b>	<b>2,933</b>		<b>382</b>		<b>382</b>
-L- 82+00.00 LT	-L- 91+65.66 LT	694				694	190		190	219			475		475
-L- 82+00.00 RT	-L- 91+65.66 RT	1,610				1,610	285		285	328			1,282		1,282
<b>SUBTOTAL</b>		<b>2,304</b>				<b>2,304</b>	<b>475</b>		<b>475</b>	<b>547</b>			<b>1,757</b>		<b>1,757</b>
<b>TOTAL</b>		<b>14,341</b>				<b>14,341</b>	<b>10,897</b>		<b>10,897</b>	<b>12,531</b>	<b>3,230</b>		<b>5,040</b>		<b>5,040</b>
<b>WASTE IN LIEU OF BORROW</b>											<b>-3,230</b>		<b>-3,230</b>		<b>-3,230</b>
<b>PROJECT TOTAL</b>		<b>14,341</b>				<b>14,341</b>	<b>10,897</b>		<b>10,897</b>	<b>12,531</b>			<b>1,810</b>		<b>1,810</b>
<b>GRAND TOTAL</b>		<b>14,341</b>				<b>14,341</b>	<b>10,897</b>		<b>10,897</b>	<b>12,531</b>			<b>1,810</b>		<b>1,810</b>
<b>SAY</b>		<b>14,500</b>													

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGN UNIT. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

EST. DDE = 670 CUBIC YARDS  
 SHOULDER BORROW = 662 CUBIC YARDS  
 ESTIMATED PAVEMENT STRUCTURE VOLUME -L- = 735 CY  
 EST. SHALLOW UNDERCUT = 100 CY (CONTINGENCY, AS DIRECTED BY THE ENGINEER)  
 EST. UNDERCUT FOR EMBANKMENT STABILITY = 200 CY (CONTINGENCY, AS DIRECTED BY THE ENGINEER)  
 EST. GRADE POINT UNDERCUT = 50 CY (CONTINGENCY, AS DIRECTED BY THE ENGINEER)  
 EST. UNDERCUT FOR SUBGRADE STABILITY = 200 CY (CONTINGENCY, AS DIRECTED BY THE ENGINEER)  
 EST. CLASS IV SUBGRADE STABILIZATION = 200 TONS (CONTINGENCY, AS DIRECTED BY THE ENGINEER)  
 EST. SELECT GRANULAR MATERIAL = 400 CY (CONTINGENCY, AS DIRECTED BY THE ENGINEER.)

<b>BALANCE EARTHWORK CHECK</b>			
<b>TOTAL UNCL. EXC:</b>	<b>14,341</b>	<b>EMB + %:</b>	<b>12,531</b>
<b>UNDERCUT EXC:</b>		<b>TOTAL WASTE:</b>	<b>1,810</b>
<b>BORROW EXC:</b>			
<b>TOTAL:</b>	<b>14,341</b>	<b>TOTAL:</b>	<b>14,341</b>