


8/17/19

COMPUTED BY: REO DATE: 2-8-19  
 CHECKED BY: GP DATE: 2-8-19



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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. R-5797  
 SHEET NO. 3B-1

## SUMMARY OF EARTHWORK

IN CUBIC YARDS

STATION	STATION	UNCLASSIFIED EXCVATION	UNDERCUT	EMBANMENT +%	BORROW	WASTE
-L- Med 10+62.80	20+30.00	308		24		284
-L- RT 10+62.80	20+30.00	255		730	475	
	<b>SUBTOTAL</b>	563		754	475	284
-L- Med 15+00.00 (Temp.)	37+00.00	110		1,155	1,045	
-L- Med 38+50.00 (Temp.)	68+50.00	35		4,271	4,236	
-L- Med 69+00.00 (Temp.)	81+00.00	556		519		37
-L- LT 78+00.00	81+00.00	164		1,206	1,042	
	<b>SUBTOTAL</b>	865		7,151	6,323	37
-L- Med 71+50.00	81+00.00	360				360
	<b>(REMOVAL)</b>					
	<b>SUBTOTAL</b>	360				360
-L- LT 15+00.00	45+00.00	1,843		4,718	2,875	
-L- LT 45+00.00	68+00.00	358	88	870	512	88
-RPA- 10+00.00	28+28.84	1	16,280	77,305	77,304	16,280
-RPB- 10+00.00	24+70.05	1,268		39,685	38,417	
	<b>SUBTOTAL</b>	3,470	16,368	122,578	119,108	16,368
-L- RT 15+00.00	45+00.00	3,075	436	2,096		1,415
-L- RT 45+00.00	68+00.00	345	3,804	5,263	4,918	3,804
-RPC- 10+00.00	26+22.25	5,122		56,600	51,478	
-RPD- 10+00.00	25+13.83	33	8,770	64,071	64,038	8,770
	<b>SUBTOTAL</b>	8,575	13,010	128,030	120,434	13,989
-L- Med 15+00.00	45+00.00	3,041		971		2,070
-L- Med 45+00.00	68+00.00	1,451		2,390	939	
	<b>SUBTOTAL</b>	4,492		3,361	939	2,070
-Y1A- LT 11+00.00	16+50.00	55		229	174	
-Y1A- RT 11+00.00	16+50.00	56		330	274	
-Y1A- 16+50.00	25+33.61	320		36,246	35,926	
-Y1A- S- 23+49.31	26+06.06			16,586	16,586	
-DRI- 10+00.00	11+96.12	32		2,238	2,206	
-RAB- 10+00.00	15+15.22	27	759	54,660	54,633	759
	<b>SUBTOTAL</b>	490	759	110,289	109,799	759

STATION	STATION	UNCLASSIFIED EXCVATION	UNDERCUT	EMBANMENT +%	BORROW	WASTE
-Y1B- 26+97.86	29+65.58 (Beg. Bridge)		1,530	45,145	45,145	1,530
	<b>SUBTOTAL</b>		1,530	45,145	45,145	1,530
-Y1B- 31+66.08 (End Bridge)	33+51.50			36,064	36,064	
	<b>SUBTOTAL</b>			36,064	36,064	
-RCD- 10+00.00	15+15.22	26		74,189	74,163	
-Y1C- 35+15.50	44+54.91	921		62,561	61,640	
	<b>SUBTOTAL</b>	947		136,750	135,803	
-Y2- 15+00.00	16+40.75	94		71		23
-Y2- 16+72.76	19+00.00	83		263	180	
	<b>SUBTOTAL</b>	177		334	180	23
<b>TOTAL</b>		19,939	31,667	590,456	574,270	35,420
ADDITIONAL UNDERCUT			2,050	2,563	2,563	2,050
SHOULDER MATERIAL				13,750	13,750	
WASTE IN LIEU OF BORROW					-3,753	-3,753
<b>PROJECT TOTAL</b>		19,939	33,717	606,769	586,830	33,717
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					29,341	
<b>GRAND TOTAL</b>		19,939	33,717	606,769	616,171	33,717
<b>SAY</b>		<b>20,100</b>	<b>33,800</b>		<b>617,000</b>	
PAVEMENT STRUCTURE VOLUME	<b>39600</b>					

EST. DDE = 465 CY

REVISIONS

2/2/2021 10:04 AM R-5797 - Rdj\_PSH\_03B-1.dgn