



POGGEMEYER
DESIGN GROUP

Job NCIT - GENOD TO ELMORE
 Sheet No. 1 Of 2
 Calculated By JTY Date 7-16-19
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TOUSSAINT CREEK BRIDGES

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>TOTAL</u>
202 - 11201	PORTIONS OF STRUCTURES REMOVED, AS PER PLAN	LUMP
509 - 10000	EPOXY COATED REINFORCING STEEL	SEE PLANS
510 - 09950	DOWEL HOLE W/ CEMENT GROUT 5 PER ABUT x 2 = 10	10 EACH
511 - 21520	CLASS QC2 CONCRETE, SUPERSTRUCTURE $\begin{aligned} & \text{AVG- END.} && \text{MIDDLE AVG} \\ & (1.20' \times 3.75' \times 2) + (0.79' \times 6.5') = 14.1 \text{ FT}^2 \\ & 14.1 \text{ SF} \times 56.15' + 14' \times \text{ENDS} \text{ } 1.83' \times 0.82' \times 2 \\ & = 834 \text{ CF} = 31 \text{ CY} \end{aligned}$	31 cy



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TOUSSAINT CREEK

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>TOTAL</u>
S11 - 45710	CLASS GC1 CONCRETE, ABUTMENT $14' \times 1\frac{1}{2} \times 1.83' = 264\text{F}/\text{ABUT}$ $= 1 \text{ CY}$ $\times 2 = 2 \text{ CY}$	2 CY
S12 - 10050	SEALING OF CONCRETE SURFACES (NON-EPoxy) $(1.17' + 0.5') \times 2 \times 56.15' = 188\text{F}$ $= 21 \text{ SY}$	21 SY
S17 - 74001	RAILING, TINSER, AS PER PLAN $(84^{\text{STA}} + 03.42) - (83^{\text{STA}} + 37.42) = 66 \text{ FT}$ $66 \text{ FT} \times 2 = 132 \text{ FT}$	132 FT
SPECIAL S1822300	STEEL DRIP STRIP $(56.15' + 1' (10 \text{ RAILS})) \times 2 = 132 \text{ FT}$	132 FT



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HAGGENDON DITCH BRIDGE

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>TOTAL</u>
202 - 11201	PORTIONS OF STRUCTURES REMOVED, AS PER PLAN	LUMP
509 - 10000	EPOXY COATED REINFORCING STEEL	SEE PLANS
510 - 09950	DOWEL HOLES w/ CEMENT GROUT 4 PER ABUT. x 2 = 8 EA	8 EACH
511 - 21520	CLASS QC2 CONCRETE, SUPER STRUCTURE AVG. END $(1.19' \times 2.67' \times 2) + (0.79' \times 6.67') = 11.6^{SF}$ $11.6^{SF} \times 16.67' / 27 = 7 CY$	7 <u>CY</u>
511 - 45710	CLASS QC1 CONCRETE, ABUTMENT $12' \times 1.75' \times 1.5' \times 2 / 27 = 2.3 CY$	3 <u>CY</u>



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HAGGENDON DITCH

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>TOTAL</u>
512 - 10050	SEALING OF CONCRETE SURFACES (NON-EPOXY) $(6.17' + 0.5') \times 16.67' \times 2 / 9 = 6.5y$	6.5y
517 - 74001	RAILING, TIMBER, AS PER PLAN STA STA $(+71.62) - (+47.62) = 24 \text{ FT} \times 2$ $= 48 \text{ FT}$	48 FT
SPECIAL 51822300	STEEL DRIP STRIP $[16.67' + (3 \text{ RAILS} \times 1')] \times 2 = 39 \text{ FT}$	39 FT



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PORTAGE RIVER BRIDGE

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>TOTAL</u>
202 - 11201	PORTIONS OF STRUCTURES REMOVED AS PER PLAN	LUMP
509 - 10000	EPoxy COATED REINFORCING STEEL	SEE PLANS
510 - 09950	POWER HOLE W/ CEMENT GROUT SEA - FWD ABUTMENT ONLY	SEA
511 - 21520	CLASS Q22 CONCRETE, SUPERSTRUCTURES CONC AREA PER CAD = 12.6 ^{SF} $12.6^{\text{SF}} \times 210.0' / 27 = 98 \text{ cy}$	98 cy



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PORTAGE RIVER

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>TOTAL</u>
511 - 45710	CLASS QC1 CONCRETE, ABUTMENT <u>REAR ABUT</u> - $(0.83' \times 14') + (2.17' \times 0.33' \times 2)$ $= 13.1 \text{ SF}$ $13.1 \text{ SF} \times 30.7' / 2 = 14.9 \text{ cy}$ <u>FWD ABUT</u> - $1.42' \times 0.75' \times 14' / 2 = 0.6 \text{ cy}$ <u>15.5 cy</u>	16 cy
512 - 10050	SEALING OF CONCRETE SURFACES (NON-EPOXY) $[(1.71' + 0.5') \times (30.7' + 210')] \times 2 / 9$ $= 89.1 \text{ sy}$	89 sy
516 - 10011	ARMORLESS PREFORMED JOINT SEAL $14' \times 2 = 28 \text{ FT}$	28 FT



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PORTAGE RIVER

ITEM

DESCRIPTION

TOTAL

517-
74001

RAILING, TIMBER, AS PER PLAN
$$\begin{aligned} & \text{STA.} & \text{STA.} \\ & (228+31.10) - (225+51.80) = 279.3' \\ & \quad \quad \quad \times 2 \\ & \quad \quad \quad = 558.60 \text{ FT} \end{aligned}$$

558.60 FT

SPECIAL
51822300

STEEL DRAP STRIP
$$\begin{aligned} & [(210' + 30.7') + 41 \text{ POSTS} \times 1'] \times 2 \\ & \quad \quad \quad = 563 \text{ FT} \end{aligned}$$

563 FT