

## UTILITY ESTIMATE WORKSHEET

TIP No: H-185357 Updated  
 WBS Element No: 34263.1.1  
 State Project No:  
 Fed. Project No:  
 County: Brunswick/New Ha  
 Description: Cape Fear Memorial Bridge Replacement between New Hanover & Brunswick Counties.

### Field Inspection - Evidence of Utilities

Gas: No      Electric: Yes      Telephone: Yes      CATV: Yes  
 Water: Yes      Sewer: Yes      Drainage: Yes      Other: No

### Anticipated Relocation

Gas: No      Electric: Yes      Telephone: Yes      CATV: Yes  
 Water: Yes      Sewer: Yes      Drainage: Yes      Other: No

**Summary:**      **Concept 1 65' Vertical Clearance Fixed Structure (OPTION 1)- This alternative propose**  
**Requesting Party:**      **Sonya Tankersley**  
**Estimate Date:**      **September 26, 2023**

Relocation Totals	Construction Total	Alternate Totals	
Power Poles:      \$1,335,000.00	Power Poles:	<b>Relocation Total</b>	<b>\$1,997,500.00</b>
Power Items:      \$262,500.00	Power Items:	<b>Construction Total</b>	<b>\$527,400.00</b>
Telephone Poles:      \$0.00	Telephone Poles:	<b>Alternate Total</b>	<b>\$2,524,900.00</b>
Telephone Items      \$0.00	Telephone Items		
Gas Line:      \$0.00	Gas Line:		
Gas Items:	Gas Items:		
Water Line:	Water Line:      \$300,000.00		
Water Items:	Water Items:      \$45,000.00		
Sewer Line:	Sewer Line:      \$120,000.00		
Sewer Items:	Sewer Items:      \$62,400.00		
Misc.Items:      \$400,000.00	Misc.Items:		

**Summary:** Concept 2 135' Vertical Clearance Fixed Structure (OPTION 2) - This alternative propo  
**Requesting Party:** Sonya Tankersley  
**Estimate Date:** September 26, 2023

Relocation Totals		Construction Total		Alternate Totals	
Power Poles:	\$2,422,500.00	Power Poles:		<b>Relocation Total</b>	<b>\$3,687,500.00</b>
Power Items:	\$525,000.00	Power Items:		<b>Construction Total</b>	<b>\$1,125,300.00</b>
Telephone Poles:	\$0.00	Telephone Poles:		<b>Alternate Total</b>	<b>\$4,812,800.00</b>
Telephone Items	\$0.00	Telephone Items			
Gas Line:	\$0.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$600,000.00		
Water Items:		Water Items:	\$82,500.00		
Sewer Line:		Sewer Line:	\$240,000.00		
Sewer Items:		Sewer Items:	\$202,800.00		
Misc.Items:	\$740,000.00	Misc.Items:			

**Summary:** Concept 3 : 65' Vertical Clearance Movable Structure (OPTION 3) - This alternative pro  
**Requesting Party:** Sonya Tankersley  
**Estimate Date:** September 26, 2023

Relocation Totals		Construction Total		Alternate Totals	
Power Poles:	\$1,335,000.00	Power Poles:		<b>Relocation Total</b>	<b>\$1,997,500.00</b>
Power Items:	\$262,500.00	Power Items:		<b>Construction Total</b>	<b>\$527,400.00</b>
Telephone Poles:	\$0.00	Telephone Poles:		<b>Alternate Total</b>	<b>\$2,524,900.00</b>
Telephone Items	\$0.00	Telephone Items			
Gas Line:	\$0.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$300,000.00		
Water Items:		Water Items:	\$45,000.00		
Sewer Line:		Sewer Line:	\$120,000.00		
Sewer Items:		Sewer Items:	\$62,400.00		
Misc.Items:	\$400,000.00	Misc.Items:			

**Summary:** Concept 4 65' Vertical Clearance Movable Structure with Proposed Railroad Relocati  
**Requesting Party:** Sonya Tankersley  
**Estimate Date:** September 26, 2023

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$1,335,000.00	Power Poles:		<b>Relocation Total</b>	<b>\$1,997,500.00</b>
Power Items:	\$262,500.00	Power Items:		<b>Construction Total</b>	<b>\$527,400.00</b>
Telephone Poles:	\$0.00	Telephone Poles:		<b>Alternate Total</b>	<b>\$2,524,900.00</b>
Telephone Items	\$0.00	Telephone Items			
Gas Line:	\$0.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$300,000.00		
Water Items:		Water Items:	\$45,000.00		
Sewer Line:		Sewer Line:	\$120,000.00		
Sewer Items:		Sewer Items:	\$62,400.00		
Misc.Items:	\$400,000.00	Misc.Items:			

**Detail: Concept 1 65' Vertical Clearance Fixed Structure (OPTION 1)- This alternative proposes a fixed median di**

<b>Power Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Transmission (115kv/230kv) Steel H-Frame Structure		2	\$200,000.00	\$400,000.00
Duke Energy/Dominion Distribution Pole		34	\$27,500.00	\$935,000.00
		<b>Total:</b>	<b>36</b>	<b>\$1,335,000.00</b>

<b>Power Items</b>				
Item	Location	Number	Unit Cost	Total Cost
Clearing Per Acre		0.25	\$50,000.00	\$12,500.00
Directional Boring 4" to 12" Per Linear Foot		1000	\$250.00	\$250,000.00
		<b>Total:</b>		<b>\$262,500.00</b>

<b>Telephone Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Three Cable Telephone Pole		2		\$0.00
		<b>Total:</b>	<b>2</b>	<b>\$0.00</b>

<b>Telephone Items</b>				
Item	Location	Number	Unit Cost	Total Cost
1-3 above ground metal cabinets (SLK site)		1		\$0.00
Directional Boring 12" to 22" Per Linear Foot		2000		\$0.00
		<b>Total:</b>		<b>\$0.00</b>

<b>Gas Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
6" Gas Line Per Linear Foot <= 1 mile		1000		\$0.00
		<b>Total:</b>		<b>\$0.00</b>

<b>Water Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
6" Water Line Per Linear Foot		2000	\$150.00	\$300,000.00
		<b>Total:</b>		<b>\$300,000.00</b>

<b>Water Items</b>				
Item	Location	Number	Unit Cost	Total Cost
Fire Hydrant New		6	\$7,500.00	\$45,000.00
		<b>Total:</b>		<b>\$45,000.00</b>

<b>Sewer Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
6" Sewer Line Per Linear Foot		2000	\$60.00	\$120,000.00
		<b>Total:</b>		<b>\$120,000.00</b>

<b>Sewer Items</b>				
Item	Location	Number	Unit Cost	Total Cost
Manhole		8	\$7,800.00	\$62,400.00
		<b>Total:</b>		<b>\$62,400.00</b>

<b>Miscellaneous Items and Adjustments</b>				
Item	Location	Number	Unit Cost	Total Cost

Contingency	1	\$400,000.00	\$400,000.00
		<b>Total:</b>	<b>\$400,000.00</b>
		<b>Alternate Total</b>	<b>\$2,524,900.00</b>

**Detail: Concept 2 135' Vertical Clearance Fixed Structure (OPTION 2) - This alternative proposes a fixed median**

**Power Poles**

Type	Location	Number	Cost / Pole	Total Cost
Transmission (115kv/230kv) Steel H-Frame Structure		4	\$200,000.00	\$800,000.00
Duke Energy/Dominion Distribution Pole		59	\$27,500.00	\$1,622,500.00
		<b>Total:</b>	<b>63</b>	<b>\$2,422,500.00</b>

**Power Items**

Item	Location	Number	Unit Cost	Total Cost
Clearing Per Acre		0.5	\$50,000.00	\$25,000.00
Directional Boring 4" to 12" Per Linear Foot		2000	\$250.00	\$500,000.00
		<b>Total:</b>		<b>\$525,000.00</b>

**Telephone Poles**

Type	Location	Number	Cost / Pole	Total Cost
Three Cable Telephone Pole		6		\$0.00
		<b>Total:</b>	<b>6</b>	<b>\$0.00</b>

**Telephone Items**

Item	Location	Number	Unit Cost	Total Cost
3-6 above ground metal cabinets (SLK site)		2		\$0.00
Directional Boring 4" to 12" Per Linear Foot		2000		\$0.00
		<b>Total:</b>		<b>\$0.00</b>

**Gas Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
6" Gas Line Per Linear Foot <= 1 mile		2000		\$0.00
		<b>Total:</b>		<b>\$0.00</b>

**Water Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
6" Water Line Per Linear Foot		4000	\$150.00	\$600,000.00
		<b>Total:</b>		<b>\$600,000.00</b>

**Water Items**

Item	Location	Number	Unit Cost	Total Cost
Fire Hydrant New		11	\$7,500.00	\$82,500.00
		<b>Total:</b>		<b>\$82,500.00</b>

**Sewer Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
6" Sewer Line Per Linear Foot		4000	\$60.00	\$240,000.00
		<b>Total:</b>		<b>\$240,000.00</b>

**Sewer Items**

Item	Location	Number	Unit Cost	Total Cost
Manhole		26	\$7,800.00	\$202,800.00
		<b>Total:</b>		<b>\$202,800.00</b>

**Miscellaneous Items and Adjustments**

Item	Location	Number	Unit Cost	Total Cost
------	----------	--------	-----------	------------

Contingency	1	\$740,000.00	\$740,000.00
		<b>Total:</b>	<b>\$740,000.00</b>
		<b>Alternate Total</b>	<b>\$4,812,800.00</b>

**Detail: Concept 3 : 65' Vertical Clearance Movable Structure (OPTION 3) - This alternative proposes a movable**

**Power Poles**

Type	Location	Number	Cost / Pole	Total Cost
Transmission (115kv/230kv) Steel H-Frame Structure		2	\$200,000.00	\$400,000.00
Duke Energy/Dominion Distribution Pole		34	\$27,500.00	\$935,000.00
		<b>Total:</b>	<b>36</b>	<b>\$1,335,000.00</b>

**Power Items**

Item	Location	Number	Unit Cost	Total Cost
Clearing Per Acre		0.25	\$50,000.00	\$12,500.00
Directional Boring 4" to 12" Per Linear Foot		1000	\$250.00	\$250,000.00
		<b>Total:</b>		<b>\$262,500.00</b>

**Telephone Poles**

Type	Location	Number	Cost / Pole	Total Cost
Three Cable Telephone Pole		2		\$0.00
		<b>Total:</b>	<b>2</b>	<b>\$0.00</b>

**Telephone Items**

Item	Location	Number	Unit Cost	Total Cost
1-3 above ground metal cabinets (SLK site)		1		\$0.00
3 Buried Copper Telephone Cable Per Linear Foot		2000		\$0.00
		<b>Total:</b>		<b>\$0.00</b>

**Gas Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
6" Gas Line Per Linear Foot <= 1 mile		1000		\$0.00
		<b>Total:</b>		<b>\$0.00</b>

**Water Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
6" Water Line Per Linear Foot		2000	\$150.00	\$300,000.00
		<b>Total:</b>		<b>\$300,000.00</b>

**Water Items**

Item	Location	Number	Unit Cost	Total Cost
Fire Hydrant New		6	\$7,500.00	\$45,000.00
		<b>Total:</b>		<b>\$45,000.00</b>

**Sewer Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
6" Sewer Line Per Linear Foot		2000	\$60.00	\$120,000.00
		<b>Total:</b>		<b>\$120,000.00</b>

**Sewer Items**

Item	Location	Number	Unit Cost	Total Cost
Manhole		8	\$7,800.00	\$62,400.00
		<b>Total:</b>		<b>\$62,400.00</b>

**Miscellaneous Items and Adjustments**

Item	Location	Number	Unit Cost	Total Cost
------	----------	--------	-----------	------------



Contingency	1	\$400,000.00	\$400,000.00
		<b>Total:</b>	<b>\$400,000.00</b>
		<b>Alternate Total</b>	<b>\$2,524,900.00</b>

**Detail: Concept 4 65' Vertical Clearance Movable Structure with Proposed Railroad Relocation (OPTION 4) - Thi****Power Poles**

Type	Location	Number	Cost / Pole	Total Cost
Transmission (115kv/230kv) Steel H-Frame Structure		2	\$200,000.00	\$400,000.00
Duke Energy/Dominion Distribution Pole		34	\$27,500.00	\$935,000.00
		<b>Total:</b>	<b>36</b>	<b>\$1,335,000.00</b>

**Power Items**

Item	Location	Number	Unit Cost	Total Cost
Directional Boring 4" to 12" Per Linear Foot		1000	\$250.00	\$250,000.00
Clearing Per Acre		0.25	\$50,000.00	\$12,500.00
		<b>Total:</b>		<b>\$262,500.00</b>

**Telephone Poles**

Type	Location	Number	Cost / Pole	Total Cost
Three Cable Telephone Pole		2		\$0.00
		<b>Total:</b>	<b>2</b>	<b>\$0.00</b>

**Telephone Items**

Item	Location	Number	Unit Cost	Total Cost
1-3 above ground metal cabinets (SLK site)		1		\$0.00
3 Buried Copper Telephone Cable Per Linear Foot		2000		\$0.00
		<b>Total:</b>		<b>\$0.00</b>

**Gas Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
6" Gas Line Per Linear Foot <= 1 mile		1000		\$0.00
		<b>Total:</b>		<b>\$0.00</b>

**Water Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
6" Water Line Per Linear Foot		2000	\$150.00	\$300,000.00
		<b>Total:</b>		<b>\$300,000.00</b>

**Water Items**

Item	Location	Number	Unit Cost	Total Cost
Fire Hydrant New		6	\$7,500.00	\$45,000.00
		<b>Total:</b>		<b>\$45,000.00</b>

**Sewer Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
6" Sewer Line Per Linear Foot		2000	\$60.00	\$120,000.00
		<b>Total:</b>		<b>\$120,000.00</b>

**Sewer Items**

Item	Location	Number	Unit Cost	Total Cost
Manhole		8	\$7,800.00	\$62,400.00
		<b>Total:</b>		<b>\$62,400.00</b>

**Miscellaneous Items and Adjustments**

Item	Location	Number	Unit Cost	Total Cost
------	----------	--------	-----------	------------

Contingency	1	\$400,000.00	\$400,000.00
		<b>Total:</b>	<b>\$400,000.00</b>
		<b>Alternate Total</b>	<b>\$2,524,900.00</b>