

PROJECT NO.: CR-52 East
 COUNTY:
 ALTERNATE NO.:
 WORK DESCRIPTION:
 DATE PREPARED: 10/10/22
 DATE PMS REVISED:
 ALDOT OVERHEAD PERCENTAGE: 0.00%

ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	AMOUNT
ROADWAY:				
UNCLASSIFIED EXCAV. (210A-000)	CY	14,900	30.00	447,000
BORROW EXCAVATION (210D-000)	CY	38,500	25.00	962,500
WASTE EXCAVATION	CY	0	0.00	0
MAJOR DRAINAGE				
48" PIPE (530A-006)	LF	0	0.00	0
54" PIPE (530A-007)	LF	0	0.00	0
60" PIPE (530A-008)	LF	0	0.00	0
66" PIPE (530A-009)	LF	0	0.00	0
72" PIPE (530A-010)	LF	0	0.00	0
BOX CULV'T CONC. (524A-010)	CY	0	0.00	0
STEEL REINF. (502A-000)	LB	0	0.00	0
NOTE: ALL BASE AND PAVE COSTS ARE FOR BITUMINOUS PAVEMENT ONLY.				
BASE AND PAVEMENT - FREEWAY AND RAMPS:				
FREEWAY TRAVELWAY	SY	0	74.31	0
RAMP TRAVELWAY	SY	0	51.24	0
TRAVELWAY SHLDS (12-14 FT GRADED / 10 FT PAVED)	SY	0	66.22	0
RAMP SHLDS (6-7 FT GRADED / 4-5 FT PAVED)	SY	0	41.88	0
RAMP SHLDS (12 FT GRADED / 10 FT PAVED)	SY	0	48.90	0
BASE AND PAVEMENT - HIGH VOLUME CROSS AND ACCESS ROADS:				
TRAVELWAY (4 - 6 LANE SECTION)	SY	9,920	75.00	744,000
TRAVELWAY (2 - 3 LANE SECTION)	SY	0	40.33	0
SHOULDERS (4-10 FT GRADED / 2-8 FT PAVED)	SY	0	40.44	0
BASE AND PAVEMENT - LOW VOLUME CROSS AND ACCESS ROADS:				
TRAVELWAY	SY	0	19.14	0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.37	0
BASE AND PAVEMENT - DETOUR AND UNPAVED ACCESS ROADS:				
TRAVELWAY - PAVED RESURFACE	SY	0	8.92	0
TRAVELWAY - PAVED NEW LOCATION	SY	0	26.68	0
TRAVELWAY - UNPAVED	SY	0	2.70	0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.33	0
CONC. MEDIAN BARRIER	LF	0	0.00	0
SIGNALIZATION/INTERSECTION	EA	1	150000.00	150,000
ROADWAY SUBTOTAL				\$2,303,500
CONTINGENCIES (60 PERCENT)				\$1,382,100
ROADWAY TOTAL				\$3,685,600

SUMMARY OF ESTIMATED COST

PROJECT NO.: CR-52 East
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ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	AMOUNT
BRIDGE:				
RETAINING WALLS	SF	12,200	85.00	1,037,000
CONTINGENCIES (15 PERCENT)				<u>\$155,550</u>
RETAINING WALL TOTAL				\$1,192,550
BRIDGE STRUCTURES (BRIDGE FORM ATTACHED)				
BRIDGE #1 (US-31 NB Full Bridge Replacement)	SF	26,408	190.00	5,017,520
BRIDGE #2 (FROM BRIDGE FORM)	SF	0	0.00	0
BRIDGE #3 (FROM BRIDGE FORM)	SF	0	0.00	0
WIDENING #1 (2X BRIDGE FORM)	SF	0	0.00	0
WIDENING #2 (2X BRIDGE FORM)	SF	0	0.00	<u>0</u>
BRIDGE STRUCTURE SUBTOTAL				\$5,017,520
CONTINGENCIES (15 PERCENT)				<u>\$752,628</u>
BRIDGE STRUCTURE TOTAL				\$5,770,148
BRIDGE CULVERTS				
BR. CULV'T CONCRETE (524A-010)	CY	0	0.00	0
STEEL REINF. (502A-000)	LB	0	0.00	<u>0</u>
BRIDGE CULVERT SUBTOTAL				\$0
CONTINGENCIES (15 PERCENT)				<u>\$0</u>
BRIDGE CULVERT TOTAL				\$0
BRIDGE TOTAL				<u>\$6,962,698</u>
ROADWAY AND BRIDGE TOTAL				\$10,648,298
ENGINEERING INSPECTION				\$0
ALDOT OVERHEAD (INPUT IN TITLE BLOCK)		0.00%		<u>\$0</u>
CONSTRUCTION COST TOTAL (INPUT FOR CPMS)				\$10,648,298
RIGHT-OF-WAY COSTS				\$0
UTILITY RELOCATION				<u>\$0</u>
GRAND TOTAL				\$10,648,298

2900	1.3	51.87	806.2778
3000	6.8	383.52	710.2222
3100	0	0	3672
3200	20.4	1982.88	8048.056
3300	22.7	2363.07	8912.944
3400	23.2	2449.92	9204.444
3500	23.6	2520.48	10814.44
3600	27.8	3319.32	12869.61
3700	29.3	3630.27	14929.44
3800	32.9	4431.63	17900.28
3900	36.2	5234.52	9693.556
4000	0	0	0
4100	0	0	0
4200	0	0	0
4300	0	0	7000
4400	30	3780	11667.56
4500	23.6	2520.48	8638.444
4600	21.4	2144.28	6015.389
4700	14.1	1104.03	2902.5
4800	7.8	463.32	3571.389
4900	16.9	1465.23	2713.389
5000	0	0	

140069.9

ESTIMATED BRIDGE COSTS - 2011					
SPAN LENGTH	PIER HEIGHT	ALIGNMENT	GIRDER TYPE	COST / SF	GDR. DEPTH
< 45'	< 30'	TAN - 10 DEG. CURVE	AASHTO T - I	\$ 51.00	2.3
< 45'	< 30'	> 10 DEG. CURVE	STEEL W-BEAM	\$ 58.00	3.0'
45' - 60'	< 30'	TAN - 10 DEG. CURVE	AASHTO T - II	\$ 58.00	3.0'
45' - 60'	< 30'	> 10 DEG. CURVE	STEEL W-BEAM	\$ 65.00	3.0'
60' - 80'	< 30'	TAN - 10 DEG. CURVE	AASHTO T - III	\$ 65.00	3.8'
60' - 80'	< 30'	> 10 DEG. CURVE	STEEL W-BEAM	\$ 73.00	3.0'
80' - 100'	< 30'	TAN - 5 DEG. CURVE	BT - 54	\$ 73.00	4.5'
80' - 100'	< 30'	> 5 DEG. CURVE	STEEL PL GDR.	\$ 87.00	4.0'
100 - 120	< 40'	TAN - 3 DEG. CURVE	BT - 63	\$ 80.00	5.3'
100' - 120'	< 40'	> 3 DEG. CURVE	STEEL PL GDR.	\$ 94.00	5.0'
100' - 120'	< 40'	> 3 DEG. CURVE	CONCRETE BOX	\$ 102.00	6.0'
100' - 120'	40' - 60'	TAN - 3 DEG. CURVE	BT - 63	\$ 87.00	5.3'
100' - 120'	40' - 60'	> 3 DEG. CURVE	STEEL PL GDR.	\$ 102.00	5.0'
100' - 120'	40' - 60'	> 3 DEG. CURVE	CONCRETE BOX	\$ 109.00	6.0'
120' - 140'	40' - 60'	TAN - 3 DEG. CURVE	BT - 72	\$ 94.00	6.0'
120' - 140'	40' - 60'	> 3 DEG. CURVE	STEEL PL GDR.	\$ 109.00	6.0'
120' - 140'	40' - 60'	> 3 DEG. CURVE	CONCRETE BOX	\$ 113.00	6.0'
140' - 180'	60' - 80'	TAN	CONC. SPLICE GDR.	\$ 109.00	6.5**
140' - 180'	60' - 80'	ALL	STEEL PL GDR.	\$ 116.00	6.5'
140' - 180'	60' - 80'	ALL	CONCRETE BOX	\$ 116.00	6.5'
180' - 200'	80' - 100'	TAN	CONC. SPLICE GDR.	\$ 116.00	6.5**
180' - 200'	80' - 100'	ALL	STEEL PL GDR.	\$ 122.00	7.0'
180' - 200'	80' - 100'	ALL	CONCRETE BOX	\$ 122.00	8.0'
200' - 250'	80' - 100'	TAN	CONC. SPLICE GDR.	\$ 122.00	6.5**
200' - 250'	80' - 100'	ALL	STEEL PL GDR.	\$ 130.00	9.0'
200' - 250'	80' - 100'	ALL	CONCRETE BOX	\$ 130.00	9.0'
250' - 300'	80' - 100'	ALL	STEEL PL GDR.	\$ 144.00	12.0'
250' - 300'	80' - 100'	ALL	CONCRETE BOX	\$ 144.00	8.0**
300' - 350'	80' - 120'	ALL	STEEL PL GDR.	\$ 166.00	16.0'
300' - 350'	80' - 120'	ALL	CONCRETE BOX	\$ 166.00	10.0**
350' - 400'	80' - 120'	ALL	STEEL PL GDR.	\$ 180.00	12.0**
350' - 400'	80' - 120'	ALL	CONCRETE BOX	\$ 180.00	10.0**
			* MID-SPAN DEPTH OF HAUNCED GIRDER		
		* DEPTH AT SUPPORT 1.5 TO 2 TIMES MID-SPAN DEPTH			

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ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	AMOUNT
ROADWAY:				
UNCLASSIFIED EXCAV. (210A-000)	CY	10,687	20.00	213,740
BORROW EXCAVATION (210D-000)	CY	215,650	20.00	4,313,000
WASTE EXCAVATION	CY	0	0.00	0
MAJOR DRAINAGE				
48" PIPE (530A-006)	LF	0	0.00	0
54" PIPE (530A-007)	LF	0	0.00	0
60" PIPE (530A-008)	LF	0	0.00	0
66" PIPE (530A-009)	LF	0	0.00	0
72" PIPE (530A-010)	LF	0	0.00	0
BOX CULV'T CONC. (524A-010)	CY	0	0.00	0
STEEL REINF. (502A-000)	LB	0	0.00	0
NOTE: ALL BASE AND PAVE COSTS ARE FOR BITUMINOUS PAVEMENT ONLY.				
BASE AND PAVEMENT - FREEWAY AND RAMPS:				
FREEWAY TRAVELWAY	SY	0	74.31	0
RAMP TRAVELWAY	SY	0	51.24	0
TRAVELWAY SHLDS (12-14 FT GRADED / 10 FT PAVED)	SY	0	66.22	0
RAMP SHLDS (6-7 FT GRADED / 4-5 FT PAVED)	SY	0	41.88	0
RAMP SHLDS (12 FT GRADED / 10 FT PAVED)	SY	0	48.90	0
BASE AND PAVEMENT - HIGH VOLUME CROSS AND ACCESS ROADS:				
TRAVELWAY (4 - 6 LANE SECTION)	SY	12,666	60.00	759,960
TRAVELWAY (2 - 3 LANE SECTION)	SY	0	40.33	0
SHOULDERS (4-10 FT GRADED / 2-8 FT PAVED)	SY	2,700	45.00	121,500
BASE AND PAVEMENT - LOW VOLUME CROSS AND ACCESS ROADS:				
TRAVELWAY	SY	0	19.14	0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.37	0
BASE AND PAVEMENT - DETOUR AND UNPAVED ACCESS ROADS:				
TRAVELWAY - PAVED RESURFACE	SY	0	8.92	0
TRAVELWAY - PAVED NEW LOCATION	SY	0	26.68	0
TRAVELWAY - UNPAVED	SY	0	2.70	0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.33	0
CONC. MEDIAN BARRIER	LF	0	0.00	0
SIGNALIZATION/INTERSECTION	EA	0	100000.00	0
ROADWAY SUBTOTAL				\$5,408,200
CONTINGENCIES (60 PERCENT)				\$3,244,920
ROADWAY TOTAL				\$8,653,120

SUMMARY OF ESTIMATED COST

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 DATE PMS REVISED:
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ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	AMOUNT
BRIDGE:				
RETAINING WALLS	SF	8,600	85.00	731,000
CONTINGENCIES (15 PERCENT)				<u>\$109,650</u>
RETAINING WALL TOTAL				\$840,650
BRIDGE STRUCTURES (BRIDGE FORM ATTACHED)				
BRIDGE #1 (FROM BRIDGE FORM)	SF	5,280	150.00	792,000
BRIDGE #2 (FROM BRIDGE FORM)	SF	29,428	190.00	5,591,320
BRIDGE #3 (FROM BRIDGE FORM)	SF	0	0.00	0
WIDENING #1 (2X BRIDGE FORM)	SF	0	0.00	0
WIDENING #2 (2X BRIDGE FORM)	SF	0	0.00	<u>0</u>
BRIDGE STRUCTURE SUBTOTAL				\$6,383,320
CONTINGENCIES (15 PERCENT)				<u>\$957,498</u>
BRIDGE STRUCTURE TOTAL				\$7,340,818
BRIDGE CULVERTS				
BR. CULV'T CONCRETE (524A-010)	CY	0	0.00	0
STEEL REINF. (502A-000)	LB	0	0.00	<u>0</u>
BRIDGE CULVERT SUBTOTAL				\$0
CONTINGENCIES (15 PERCENT)				<u>\$0</u>
BRIDGE CULVERT TOTAL				\$0
BRIDGE TOTAL				<u>\$8,181,468</u>
ROADWAY AND BRIDGE TOTAL				\$16,834,588
ENGINEERING INSPECTION				\$0
ALDOT OVERHEAD (INPUT IN TITLE BLOCK)		0.00%		<u>\$0</u>
CONSTRUCTION COST TOTAL (INPUT FOR CPMS)				\$16,834,588
RIGHT-OF-WAY COSTS				\$0
UTILITY RELOCATION				<u>\$0</u>
GRAND TOTAL				\$16,834,588

2900	1.3	51.87	806.2778
3000	6.8	383.52	710.2222
3100	0	0	3672
3200	20.4	1982.88	8048.056
3300	22.7	2363.07	8912.944
3400	23.2	2449.92	9204.444
3500	23.6	2520.48	10814.44
3600	27.8	3319.32	12869.61
3700	29.3	3630.27	14929.44
3800	32.9	4431.63	17900.28
3900	36.2	5234.52	9693.556
4000	0	0	0
4100	0	0	0
4200	0	0	0
4300	0	0	7000
4400	30	3780	11667.56
4500	23.6	2520.48	8638.444
4600	21.4	2144.28	6015.389
4700	14.1	1104.03	2902.5
4800	7.8	463.32	3571.389
4900	16.9	1465.23	2713.389
5000	0	0	

140069.9

ESTIMATED BRIDGE COSTS - 2011					
SPAN LENGTH	PIER HEIGHT	ALIGNMENT	GIRDER TYPE	COST / SF	GDR. DEPTH
< 45'	< 30'	TAN - 10 DEG. CURVE	AASHTO T - I	\$ 51.00	2.3
< 45'	< 30'	> 10 DEG. CURVE	STEEL W-BEAM	\$ 58.00	3.0'
45' - 60'	< 30'	TAN - 10 DEG. CURVE	AASHTO T - II	\$ 58.00	3.0'
45' - 60'	< 30'	> 10 DEG. CURVE	STEEL W-BEAM	\$ 65.00	3.0'
60' - 80'	< 30'	TAN - 10 DEG. CURVE	AASHTO T - III	\$ 65.00	3.8'
60' - 80'	< 30'	> 10 DEG. CURVE	STEEL W-BEAM	\$ 73.00	3.0'
80' - 100'	< 30'	TAN - 5 DEG. CURVE	BT - 54	\$ 73.00	4.5'
80' - 100'	< 30'	> 5 DEG. CURVE	STEEL PL GDR.	\$ 87.00	4.0'
100 - 120	< 40'	TAN - 3 DEG. CURVE	BT - 63	\$ 80.00	5.3'
100' - 120'	< 40'	> 3 DEG. CURVE	STEEL PL GDR.	\$ 94.00	5.0'
100' - 120'	< 40'	> 3 DEG. CURVE	CONCRETE BOX	\$ 102.00	6.0'
100' - 120'	40' - 60'	TAN - 3 DEG. CURVE	BT - 63	\$ 87.00	5.3'
100' - 120'	40' - 60'	> 3 DEG. CURVE	STEEL PL GDR.	\$ 102.00	5.0'
100' - 120'	40' - 60'	> 3 DEG. CURVE	CONCRETE BOX	\$ 109.00	6.0'
120' - 140'	40' - 60'	TAN - 3 DEG. CURVE	BT - 72	\$ 94.00	6.0'
120' - 140'	40' - 60'	> 3 DEG. CURVE	STEEL PL GDR.	\$ 109.00	6.0'
120' - 140'	40' - 60'	> 3 DEG. CURVE	CONCRETE BOX	\$ 113.00	6.0'
140' - 180'	60' - 80'	TAN	CONC. SPLICE GDR.	\$ 109.00	6.5**
140' - 180'	60' - 80'	ALL	STEEL PL GDR.	\$ 116.00	6.5'
140' - 180'	60' - 80'	ALL	CONCRETE BOX	\$ 116.00	6.5'
180' - 200'	80' - 100'	TAN	CONC. SPLICE GDR.	\$ 116.00	6.5**
180' - 200'	80' - 100'	ALL	STEEL PL GDR.	\$ 122.00	7.0'
180' - 200'	80' - 100'	ALL	CONCRETE BOX	\$ 122.00	8.0'
200' - 250'	80' - 100'	TAN	CONC. SPLICE GDR.	\$ 122.00	6.5**
200' - 250'	80' - 100'	ALL	STEEL PL GDR.	\$ 130.00	9.0'
200' - 250'	80' - 100'	ALL	CONCRETE BOX	\$ 130.00	9.0'
250' - 300'	80' - 100'	ALL	STEEL PL GDR.	\$ 144.00	12.0'
250' - 300'	80' - 100'	ALL	CONCRETE BOX	\$ 144.00	8.0**
300' - 350'	80' - 120'	ALL	STEEL PL GDR.	\$ 166.00	16.0'
300' - 350'	80' - 120'	ALL	CONCRETE BOX	\$ 166.00	10.0**
350' - 400'	80' - 120'	ALL	STEEL PL GDR.	\$ 180.00	12.0**
350' - 400'	80' - 120'	ALL	CONCRETE BOX	\$ 180.00	10.0**
			* MID-SPAN DEPTH OF HAUNCED GIRDER		
		* DEPTH AT SUPPORT 1.5 TO 2 TIMES MID-SPAN DEPTH			

City of Pelham
Preliminary Estimate of Probable Cost
Highway 52 Flyover
FRA Grant Application - 09/17/2022

Line A - Highway 52 East

Item	Description	Unit	Unit Price	Quantity	Estimated Cost	Notes
1	12" Water Main - Ductile Iron	If	175	2500	\$ 437,500	
2	8" Water Main - Ductile Iron	If	100	200	\$ 20,000	
3	Road Crossing	If	600	60	\$ 36,000	
4	12" Valves	ea	5500	4	\$ 22,000	
5	8" Valves	ea	3000	2	\$ 6,000	
6	Fire Hydrants	ea	8000	2	\$ 16,000	
7	Fittings	ton	20000	4	\$ 80,000	
8	Polyethylene Encasement	If	5	2700	\$ 13,500	
9	Connection to Existing Water Main	ea	15000	2	\$ 30,000	
10	Service Reconnections - 4"	ea	3000	1	\$ 3,000	
11	Service Reconnections - 6"	ea	3500	1	\$ 3,500	
12	Temporary 10" HDPE piping	If	100	2700	\$ 270,000	Temp piping to maintain fire protection to tank farm
Total Estimated Cost					<u>\$ 937,500</u>	

Line B - Highway 31

Item	Description	Unit	Unit Price	Quantity	Estimated Cost	Notes
1	12" Water Main - Ductile Iron	If	175	0	\$ -	
2	8" Water Main - Ductile Iron	If	150	200	\$ 30,000	Difficult Laying Conditions
3	6" Water Main - Ductile Iron	If	125	800	\$ 100,000	Difficult Laying Conditions
4	Road Crossing	If	600	60	\$ 36,000	
5	Railroad Crossing	If	1000	100	\$ 100,000	
6	12" Valves	ea	5500	0	\$ -	
7	8" Valves	ea	3000	2	\$ 6,000	
8	6" Valves	ea	2000	4	\$ 8,000	
9	Fire Hydrants	ea	8000	1	\$ 8,000	
10	Fittings	ton	20000	2	\$ 40,000	
11	Polyethylene Encasement	If	5	500	\$ 2,500	
12	Connection to Existing Water Main	ea	15000	2	\$ 30,000	
13	Service Reconnections - 4"	ea	3000	0	\$ -	
14	Service Reconnections - 6"	ea	3500	0	\$ -	
15	Temporary 10" HDPE piping	If	100	0	\$ -	
Total Estimated Cost					<u>\$ 360,500</u>	HDD will be evaluated during design

Line C - Glass Street

Item	Description	Unit	Unit Price	Quantity	Estimated Cost	Notes
1	Abandonment of existing water main	Is	2500	1	\$ 2,500	
Total Estimated Cost					<u>\$ 2,500</u>	

Line D - Highway 52 West, Johnson Street

Item	Description	Unit	Unit Price	Quantity	Estimated Cost	Notes
1	12" Water Main - Ductile Iron	If	175	0	\$ -	
2	8" Water Main - Ductile Iron	If	150	0	\$ -	
3	6" Water Main - Ductile Iron	If	125	700	\$ 87,500	
4	Road Crossing	If	600	0	\$ -	
5	Railroad Crossing	If	1000	0	\$ -	
6	12" Valves	ea	5500	0	\$ -	
7	8" Valves	ea	3000	0	\$ -	
8	6" Valves	ea	2000	4	\$ 8,000	
9	Fire Hydrants	ea	8000	2	\$ 16,000	
10	Fittings	ton	20000	1	\$ 20,000	
11	Polyethylene Encasement	If	5	200	\$ 1,000	
12	Connection to Existing Water Main	ea	15000	2	\$ 30,000	
13	Service Reconnections - 1"	ea	2000	2	\$ 4,000	
14	Service Reconnections - 6"	ea	3500	0	\$ -	
15	Temporary 10" HDPE piping	If	100	0	\$ -	
Total Estimated Cost					<u>\$ 166,500</u>	

Line E - Highway 52 West, 24" Trunk Sewer

Item	Description	Unit	Unit Price	Quantity	Estimated Cost	Notes
1	Manhole adjustments	If	500	100	\$ 50,000	
Total Estimated Cost					<u>\$ 50,000</u>	

Line F - Highway 52 West, 12" Sewer - Hinds Street

Item	Description	Unit	Unit Price	Quantity	Estimated Cost	Notes
1	Manhole adjustments	If	500	50	\$ 25,000	
Total Estimated Cost					<u>\$ 25,000</u>	

Line G - Hinds Street Water

Item	Description	Unit	Unit Price	Quantity	Estimated Cost	Notes
1	12" Water Main - Ductile Iron	If	175	0	\$ -	
2	8" Water Main - Ductile Iron	If	150	0	\$ -	
3	6" Water Main - Ductile Iron	If	125	650	\$ 81,250	
4	Road Crossing	If	600	1	\$ 600	
5	Railroad Crossing	If	1000	0	\$ -	
6	12" Valves	ea	5500	0	\$ -	
7	8" Valves	ea	3000	0	\$ -	
8	6" Valves	ea	2000	4	\$ 8,000	
9	Fire Hydrants	ea	8000	2	\$ 16,000	
10	Fittings	ton	20000	1	\$ 20,000	
11	Polyethylene Encasement	If	5	0	\$ -	
12	Connection to Existing Water Main	ea	15000	2	\$ 30,000	
13	Service Reconnections - 1"	ea	2000	1	\$ 2,000	
14	Service Reconnections - 6"	ea	3500	0	\$ -	

15	Temporary 10" HDPE piping	If	100	0 \$	-
	Total Estimated Cost			<u>\$</u>	<u>157,850</u>

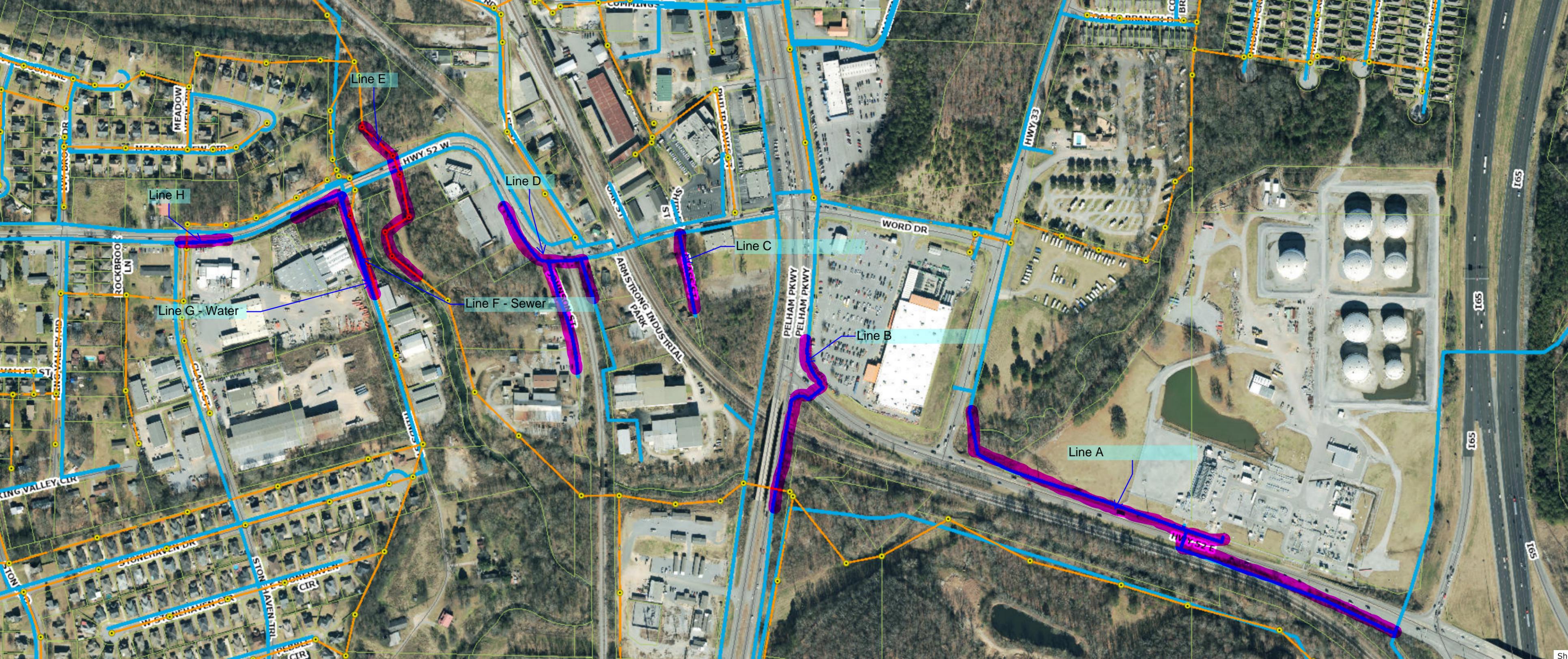
Line H - Highway 52 West

Item	Description	Unit	Unit Price	Quantity	Estimated Cost	Notes
1	12" Water Main - Ductile Iron	If	175	0	\$ -	
2	8" Water Main - Ductile Iron	If	150	0	\$ -	
3	6" Water Main - Ductile Iron	If	125	250	\$ 31,250	
4	Road Crossing	If	600	0	\$ -	
5	Railroad Crossing	If	1000	0	\$ -	
6	12" Valves	ea	5500	0	\$ -	
7	8" Valves	ea	3000	0	\$ -	
8	6" Valves	ea	2000	2	\$ 4,000	
9	Fire Hydrants	ea	8000	1	\$ 8,000	
10	Fittings	ton	20000	1	\$ 20,000	
11	Polyethylene Encasement	If	5	0	\$ -	
12	Connection to Existing Water Main	ea	15000	2	\$ 30,000	
13	Service Reconnections - 1"	ea	2000	3	\$ 6,000	
14	Service Reconnections - 6"	ea	3500	0	\$ -	
15	Temporary 10" HDPE piping	If	100	0	\$ -	
	Total Estimated Cost			<u>\$</u>	<u>99,250</u>	

Totals

Line A	\$ 937,500	
Line B	\$ 360,500	
Line C	\$ 2,500	
Line D	\$ 166,500	
Line E	\$ 50,000	
Line F	\$ 25,000	
Line G	\$ 157,850	
Line H	\$ 99,250	
	Subtotal	\$1,799,100 See Note Below
Preliminary Estimate Contingencies (30%)	<u>\$ 539,730</u>	
Subtotal with Contingencies	<u>\$2,338,830</u>	
Preliminary Engineering	\$ 35,982	Assumes detailed survey performed as part of roadway design
Design Engineering	\$ 152,024	
Project Management and Construction Observation	<u>\$ 180,000</u>	Assumes 6 month project duration at 10 hrs/day
Total	<u>\$2,706,836</u>	

Note: It is assumed that utility relocation will be performed concurrently with roadway construction. Work elements common to roadway and utilities, e.g. stakeout, BMPs, etc. are included in the roadway contractors scope of work



Line E

Line D

Line C

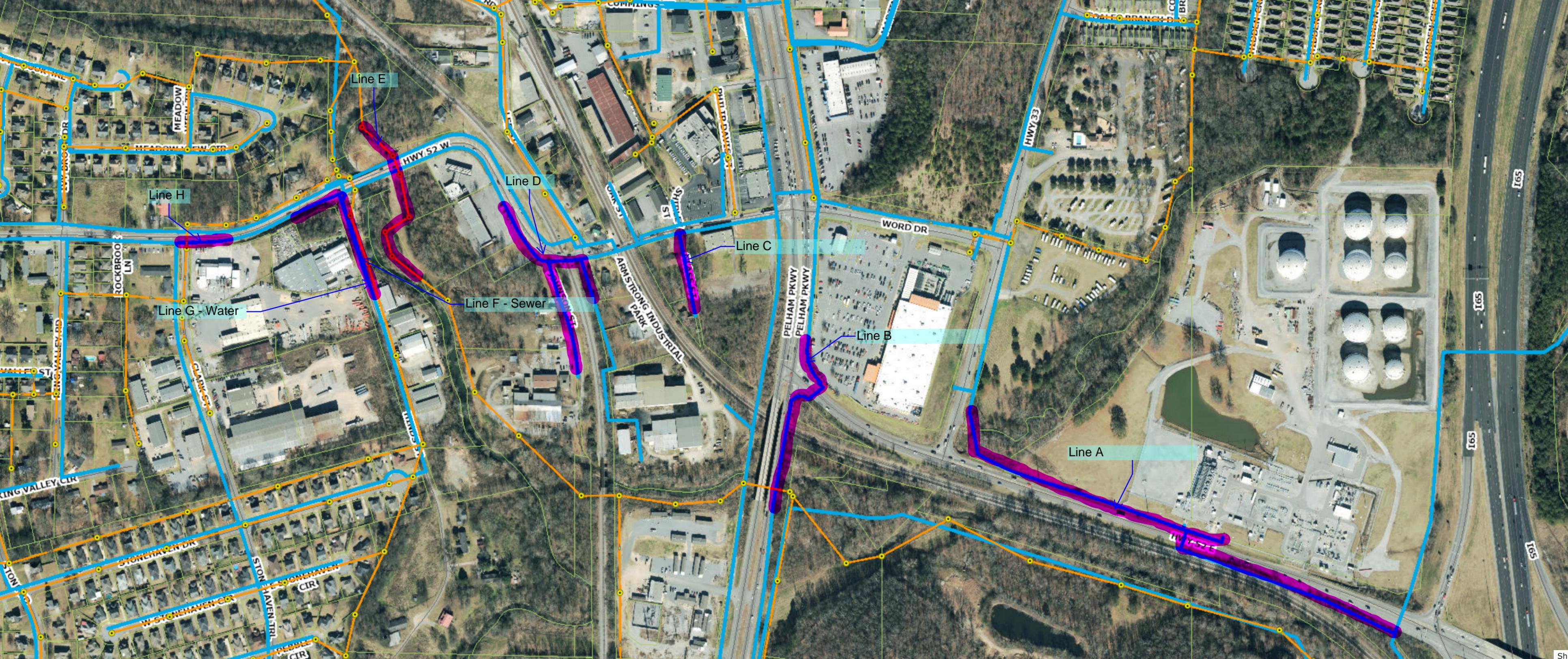
Line B

Line A

Line H

Line G - Water

Line F - Sewer



Tract #	Required ROW Area (SF)	Required ROW Area (AC)	Deed_Area	Deed_Area_	NAM1
1	76262.5601	1.7507	3.00000000	2.9349002*	NYG ENTERPRISE LLC
2	570.5084	0.0131	1.20000000	1.1061041*	R & D LLC
3	31803.6220	0.7301	0.90000000	0.9815035*	STATE OF ALABAMA
4	56298.1299	1.2924	0.00000000	4.0876074*	GARDNER J ROBERT
5	21950.6577	0.5039	0.00000000	0.5107142*	PATE MILTON E & MARTHA
6	10315.2011	0.2368	0.00000000	1.6957271*	BUILDERS GROUP INC
7	23755.3255	0.5453	0.00000000	0.8678645*	SUMMER CLASSICS PROPERTIES ONE LLC
8	4031.1730	0.0925	0.00000000	1.7634482*	AQUATECH INC
9	743.6493	0.0171	0.00000000	3.8843902*	ALABAMA POWER CO
10	10934.6738	0.2510	0.00000000	0.8456911*	SUMMER CLASSICS PROPERTIES ONE LLC
11	40105.5025	0.9207	0.00000000	1.0146003*	SUMMER CLASSICS PROPERTIES ONE LLC
12	5532.0000	0.1270	0.00000000	8.7995593*	COLONIAL PIPELINE COMPANY
13	4926.0000	0.1131	0.00000000	3.6470071*	COLONIAL PIPELINE COMPANY
14	3148.6862	0.0723	0.31900000	0.3199094*	PELHAM CITY OF
15	24141.4866	0.5542	0.00000000	0.8587402*	WILLIAMS JACK R & ROSELLA M & DURRETT GR
16	4675.0000	0.1073	10.77700000	10.858930*	HOME DEPOT USA INC
17	13124.4289	0.3013	0.00000000	0.4590978*	WALLACE GLORIA
18	8975.9221	0.2061	0.00000000	0.2631365*	SALAS EIVO HERNADEZ & RIVERA CONSUELO
19	103710.6946	2.3809	0.00000000	4.5872439*	KHORRAMABADI HAMID R & DOLORES MARIE
20	145.6538	0.0033	0.00000000	0.0502228*	CITY OF PELHAM
21	28785.0000	0.6608			CSX Railroad