Appendix E

Supporting Documents

- Alternative AZ Cost Summary
- Alternative B Cost Summary
- Alternative DX Cost Summary

ENGINEER'S OPINION OF PROBABLE COST
ALTERNATIVE AZ - I-70 from US 40

INDIANA DEPARTMENT OF TRANSPORTATION

DESCRIPTION				TOTAL COST
CONSTRUCTION				**$ 89,940,000**
GENERAL PROVISIONS				
Construction Engineering (2.5%)				$ 1,750,000
Mobilization and Demobilization (5%)				$ 3,500,000
EARTHWORK				
Clearing Right of Way (2%)				$ 1,400,000
Temporary Erosion Control (1%)				$ 700,000
Drainage (1.5%)				$ 1,000,000
Common Excavation				$ 464,000
Borrow				$ 7,778,000
Subgrade Treatment				$ 3,010,700
PAVEMENT				
Pavement and Bases				$ 9,199,633
INCIDENTAL				
Incidentals (Retaining Walls, Guadrail, etc.)				$ 8,901,083
STRUCTURES				
Building Demolition and Removals				$ 1,000,000
Bridges				$ 13,840,000
Culverts				$ 4,000,000
TRAFFIC CONTROL				
Maintenance of Traffic (2%)				$ 1,400,000
MISCELLANEOUS				
Interchange				$ 14,500,000
Contingency (25%)				$ 17,500,000
UTILITIES (5% of CN)				**$ 4,500,000**
RIGHT-OF-WAY ACQUISITION				**$ 11,420,000**
Professinal Fees				$ 910,000
Relocation Costs				$ 6,450,000
Land, Damages and Improvements				$ 1,777,321
Contingency (25%)				$ 2,280,000
MITIGATION (8% of CN)				**$ 7,200,000**
TOTAL PROJECT COSTS (2020 Dollars)				**$ 113,060,000**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1		**I-70 to E CR 750 S**														
2		**Sta. 0+00 to 53+00**				$ 13,862,774										
3																
4		Length	5,300	ft				**Land Type**	**% of Land**	**# of Parcels**	**# of Relos**	**Appraising/Buying**	**Relocation Fees**	**Land**	**Relocations**	**Total**
5		Pavement Width	48	ft				Light Industrial	0%	0	0	$ -	$ -	$ -	$ -	$ -
6		Pavement Area	28,267	sys				Commerical	0%	0	0	$ -	$ -	$ -	$ -	$ -
7		Shoulder Width	15	ft				Institutional	0%	0	0	$ -	$ -	$ -	$ -	$ -
8		Shoulder Area	8,833	sys				Residential	74%	25	25	$ 200,000	$ 250,000	$ 402,589	$ 3,750,000	$ 4,602,589
9		Unsuitable Soils Area	4081	sys				Undeveloped	26%	9		$ 72,000	$ -	$ 86,959	$ -	$ 158,959
10																
11		**Earthwork**			**Unit Rate**	**Ext.**		Total New R/W Area =		1192500	sft	27	acres R/W			$ 4,761,548
12		Common Excavation	14,500	cys	$ 8	$ 116,000		Property Rate (Undev.) =		12000	$/acre					
13		Rock Excavation	0	cys	$ 40	$ -		Property Rate (Comm.) =		80000	$/acre					
14		Borrow	193,100	cys	$ 10	$ 1,931,000		Property Rate (Res.) =		20000	$/acre					
15		Subgrade Treatment, Type IC	40,810	sys	$ 20	$ 816,200										
16								Shrink Factor (Per IDM) =	15%							
17		**Pavement & Bases**						Assumed Spoil =	10%							
18		QC/QA-HMA, 3, 64, Surface, 9.5 mm	3061	ton	$ 90	$ 275,468		Cut =	13,000	cys						
19		QC/QA-HMA, 3, 64, Intermediate, 19.0 mm	5101	ton	$ 80	$ 408,100										
20		QC/QA-HMA, 3, 64, Base, 19.0 mm	16324	ton	$ 70	$ 1,142,680										
21		QC/QA-HMA, 3, 64, Intermediate OG, 19.0 mm	4638	ton	$ 80	$ 371,000		Available Fill =	11,700	cys						
22		Compacted Aggregate, No. 53, Base	1360	cys	$ 45	$ 61,215										
23		Compacted Aggregate, No. 53	9422	ton	$ 25	$ 235,556		Needed Fill =	204,800	cys						
24																
25		**Incidental Construction**						Surplus =	-193,100	cys						
26		PCCP for Approaches, 9"	5000	sys	$ 75	$ 375,000										
27		HMA for Approaches	9900	ton	$ 110	$ 1,089,000										
28		Intersection widening	2	each	$ 220,000	$ 440,000										
29		Underdrain	10600	lft	$ 30	$ 318,000										
30		Seeding	47111	sys	$ 5	$ 235,556										
31		Guardrail	1325	lft	$ 40	$ 53,000										
32		Retaining Walls	5300	sft	$ 100	$ 530,000										
33																
34		**Structures**														
35		Building Removal	25	ea	$ 25,000	$ 625,000										
36		Bridge over I-70	14200	sqft	$ 200	$ 2,840,000										
37		Culverts	4	each	$ 500,000	$ 2,000,000										
38																

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1		**E CR 750 S to E CR 600 S**														
2		**Sta. 53+00 to 140+40**				$ 24,989,555										
3																
4		Length	7,550	ft				**Land Type**	**% of Land**	**# of Parcels**	**# of Relos**	**Appraising/Buying**	**Relocation Fees**	**Land**	**Relocations**	**Total**
5		Pavement Width	48	ft				Light Industrial	0%	0	0	$ -	$ -	$ -	$ -	$ -
6		Pavement Area	40,267	sys				Commerical	0%	0	0	$ -	$ -	$ -	$ -	$ -
7		Shoulder Width	15	ft				Institutional	0%	0	0	$ -	$ -	$ -	$ -	$ -
8		Shoulder Area	12,583	sys				Residential	79%	15	15	$ 120,000	$ 150,000	$ 615,757	$ 2,250,000	$ 3,135,757
9		Unsuitable Soils Area	5814	sys				Undeveloped	21%	4	0	$ 32,000	$ -	$ 98,521	$ -	$ 130,521
10																
11		**Earthwork**			**Unit Rate**	**Ext.**		Total New R/W Area =		1698750	sft	39	acres R/W			$ 3,266,278
12		Common Excavation	29,000	cys	$ 8	$ 232,000		Property Rate (Undev.) =		12000	$/acre					
13		Rock Excavation	0	cys	$ 40	$ -		Property Rate (Comm.) =		80000	$/acre					
14		Borrow	391,600	cys	$ 10	$ 3,916,000		Property Rate (Res.) =		20000	$/acre					
15		Subgrade Treatment, Type IC	58135	sys	$ 20	$ 1,162,700										
16								Shrink Factor (Per IDM) =	15%							
17		**Pavement & Bases**						Assumed Spoil =	10%							
18		QC/QA-HMA, 3, 64, Surface, 9.5 mm	4360	ton	$ 90	$ 392,411		Cut =	20,000	cys						
19		QC/QA-HMA, 3, 64, Intermediate, 19.0 mm	7267	ton	$ 80	$ 581,350										
20		QC/QA-HMA, 3, 64, Base, 19.0 mm	23254	ton	$ 70	$ 1,627,780										
21		QC/QA-HMA, 3, 64, Intermediate OG, 19.0 mm	6606	ton	$ 80	$ 528,500		Available Fill =	18,000	cys						
22		Compacted Aggregate, No. 53, Base	1938	cys	$ 45	$ 87,203										
23		Compacted Aggregate, No. 53	13422	ton	$ 25	$ 335,556		Needed Fill =	409,600	cys						
24																
25		**Incidental Construction**						Surplus =	-391,600	cys						
26		PCCP for Approaches, 9"	3200	sys	$ 75	$ 240,000										
27		HMA for Approaches	13200	ton	$ 110	$ 1,452,000										
28		Intersection widening	2	each	$ 220,000	$ 440,000										
29		Underdrain	15100	lft	$ 30	$ 453,000										
30		Seeding	67111	sys	$ 5	$ 335,556										
31		Guardrail	1888	lft	$ 40	$ 75,500										
32		Retaining Walls	7550	sft	$ 100	$ 755,000										
33																
34		**Structures**														
35		White Lick Creek Bridge Sta 82+00	55000	sqft	$ 200	$ 11,000,000										
36		Building Removal	15	ea	$ 25,000	$ 375,000										
37		Culverts	2	each	$ 500,000	$ 1,000,000										
38																

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1		**E CR 600 S to US 40**														
2		**Sta. 140+40 to Sta. 193+40.68**				$ 9,341,087										
3																
4		Length	6,700	ft				**Land Type**	**% of Land**	**# of Parcels**	**# of Relos**	**Appraising/Buying**	**Relocation Fees**	**Land**	**Relocations**	**Total**
5		Pavement Width	48	ft				Light Industrial	0%	0	0	$ -	$ -	$ -	$ -	$ -
6		Pavement Area	35,733	sys				Commerical	0%	0	0	$ -	$ -	$ -	$ -	$ -
7		Shoulder Width	15	ft				Institutional	0%	0	0	$ -	$ -	$ -	$ -	$ -
8		Shoulder Area	11,167	sys				Residential	57%	4	3	$ 32,000	$ 30,000	$ 395,514	$ 450,000	$ 907,514
9		Unsuitable Soils Area	5159	sys				Undeveloped	43%	3	0	$ 24,000	$ -	$ 177,981	$ -	$ 201,981
10																
11		**Earthwork**			**Unit Rate**	**Ext.**		Total New R/W Area =		1507500	sft	35	acres R/W			$ 1,109,495
12		Common Excavation	14,500	cys	$ 8	$ 116,000		Property Rate (Undev.) =		12000	$/acre					
13		Rock Excavation	0	cys	$ 40	$ -		Property Rate (Comm.) =		80000	$/acre					
14		Borrow	193,100	cys	$ 10	$ 1,931,000		Property Rate (Res.) =		20000	$/acre					
15		Subgrade Treatment, Type IC	51590	sys	$ 20	$ 1,031,800										
16								Shrink Factor (Per IDM) =	15%							
17		**Pavement & Bases**						Assumed Spoil =	10%							
18		QC/QA-HMA, 3, 64, Surface, 9.5 mm	3869	ton	$ 90	$ 348,233		Cut =	13,000	cys						
19		QC/QA-HMA, 3, 64, Intermediate, 19.0 mm	6449	ton	$ 80	$ 515,900										
20		QC/QA-HMA, 3, 64, Base, 19.0 mm	20636	ton	$ 70	$ 1,444,520										
21		QC/QA-HMA, 3, 64, Intermediate OG, 19.0 mm	5863	ton	$ 80	$ 469,000		Available Fill =	11,700	cys						
22		Compacted Aggregate, No. 53, Base	1720	cys	$ 45	$ 77,385										
23		Compacted Aggregate, No. 53	11911	ton	$ 25	$ 297,778		Needed Fill =	204,800	cys						
24																
25		**Incidental Construction**						Surplus =	-193,100	cys						
26		PCCP for Approaches, 9"	0	sys	$ 75	$ -										
27		HMA for Approaches	4115.4	ton	$ 110	$ 452,694										
28		Intersection widening	1	each	$ 220,000	$ 220,000										
29		Underdrain	13400	lft	$ 30	$ 402,000										
30		Seeding	59556	sys	$ 5	$ 297,778										
31		Guardrail	1675	lft	$ 40	$ 67,000										
32		Retaining Walls	6700	sft	$ 100	$ 670,000										
33																
34		**Structures**														
35		Building Removal	0	ea	$ 25,000											
36		Culverts	2	each	$ 500,000	$ 1,000,000										
37																

ENGINEER'S OPINION OF PROBABLE COST
ALTERNATIVE B - I-70 from US 40

INDIANA DEPARTMENT OF TRANSPORTATION

DESCRIPTION				TOTAL COST
CONSTRUCTION				**$ 79,830,000**
GENERAL PROVISIONS				
Construction Engineering (2.5%)				$ 1,750,000
Mobilization and Demobilization (5%)				$ 3,500,000
EARTHWORK				
Clearing Right of Way (2%)				$ 1,400,000
Temporary Erosion Control (1%)				$ 700,000
Drainage (1.5%)				$ 1,000,000
Common Excavation				$ 948,640
Borrow				$ 1,458,000
Subgrade Treatment				$ 3,006,080
PAVEMENT				
Pavement and Bases				$ 9,185,516
INCIDENTAL				
Incidentals (Retaining Walls, Guadrail, etc.)				$ 8,669,956
STRUCTURES				
Building Demolition and Removals				$ 175,000
Bridges				$ 6,440,000
Culverts				$ 4,500,000
TRAFFIC CONTROL				
Maintenance of Traffic (2%)				$ 1,400,000
MISCELLANEOUS				
Interchange				$ 18,200,000
Contingency (25%)				$ 17,500,000
UTILITIES (5% of CN)				**$ 3,991,500**
RIGHT-OF-WAY ACQUISITION				**$ 3,480,000**
Professinal Fees				$ 302,000
Relocation Costs				$ 1,050,000
Land, Damages and Improvements				$ 1,431,104
Contingency (25%)				$ 700,000
MITIGATION (5% of CN)				**$ 3,990,000**
TOTAL PROJECT COSTS (2020 Dollars)				**$ 91,290,000**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1		**I-70 to S CR 600 E**														
2		**Sta. 0+00 to 78+00**				$ 13,525,906										
3																
4		Length	7,600	ft				**Land Type**	**% of Land**	**# of Parcels**	**# of Relos**	**Appraising/Buying**	**Relocation Fees**	**Land**	**Relocations**	**Total**
5		Pavement Width	48	ft				Light Industrial	0%	0	0	$ -	$ -	$ -	$ -	$ -
6		Pavement Area	40,533	sys				Commerical	0%	0	0	$ -	$ -	$ -	$ -	$ -
7		Shoulder Width	15	ft				Institutional	0%	0	0	$ -	$ -	$ -	$ -	$ -
8		Shoulder Area	12,667	sys				Residential	27%	3	3	$ 24,000	$ 30,000	$ 214,125	$ 450,000	$ 718,125
9		Unsuitable Soils Area	5852	sys				Undeveloped	73%	8	0	$ 64,000	$ -	$ 342,600	$ -	$ 406,600
10																
11		**Earthwork**			**Unit Rate**	**Ext.**		Total New R/W Area =		1710000	sft	39	acres R/W			$ 1,124,724
12		Common Excavation	35,550	cys	$ 8	$ 284,400		Property Rate (Undev.) =		12000	$/acre					
13		Rock Excavation	0	cys	$ 40	$ -		Property Rate (Comm.) =		80000	$/acre					
14		Borrow	36,300	cys	$ 10	$ 363,000		Property Rate (Res.) =		20000	$/acre					
15		Subgrade Treatment, Type IC	58,520	sys	$ 20	$ 1,170,400										
16								Shrink Factor (Per IDM) =	15%							
17		**Pavement & Bases**						Assumed Spoil =	10%							
18		QC/QA-HMA, 3, 64, Surface, 9.5 mm	4389	ton	$ 90	$ 395,010		Cut =	32,000	cys						
19		QC/QA-HMA, 3, 64, Intermediate, 19.0 mm	7315	ton	$ 80	$ 585,200										
20		QC/QA-HMA, 3, 64, Base, 19.0 mm	23408	ton	$ 70	$ 1,638,560										
21		QC/QA-HMA, 3, 64, Intermediate OG, 19.0 mm	6650	ton	$ 80	$ 532,000		Available Fill =	28,800	cys						
22		Compacted Aggregate, No. 53, Base	1951	cys	$ 45	$ 87,780										
23		Compacted Aggregate, No. 53	13511	ton	$ 25	$ 337,778		Needed Fill =	65,100	cys						
24																
25		**Incidental Construction**						Surplus =	-36,300	cys						
26		PCCP for Approaches, 9"	2600	sys	$ 75	$ 195,000										
27		HMA for Approaches	13200	ton	$ 110	$ 1,452,000										
28		Intersection widening	2	each	$ 220,000	$ 440,000										
29		Underdrain	15200	lft	$ 30	$ 456,000										
30		Seeding	67556	sys	$ 5	$ 337,778										
31		Guardrail	1900	lft	$ 40	$ 76,000										
32		Retaining Walls	7600	sft	$ 100	$ 760,000										
33																
34		**Structures**														
35		Building Removal	3	ea	$ 25,000	$ 75,000										
36		Bridge over I-70	14200	sqft	$ 200	$ 2,840,000										
37		Culverts	3	each	$ 500,000	$ 1,500,000										
38																

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1		**S CR 600 E to E CR 600 S**														
2		**Sta. 78+00 to 129+00**				$ 11,846,791										
3																
4		Length	5,120	ft				**Land Type**	**% of Land**	**# of Parcels**	**# of Relos**	**Appraising/Buying**	**Relocation Fees**	**Land**	**Relocations**	**Total**
5		Pavement Width	48	ft				Light Industrial	0%	0	0	$ -	$ -	$ -	$ -	$ -
6		Pavement Area	27,307	sys				Commerical	0%	0	0	$ -	$ -	$ -	$ -	$ -
7		Shoulder Width	15	ft				Institutional	0%	0	0	$ -	$ -	$ -	$ -	$ -
8		Shoulder Area	8,533	sys				Residential	38%	3	3	$ 24,000	$ 30,000	$ 198,347	$ 450,000	$ 702,347
9		Unsuitable Soils Area	3942	sys				Undeveloped	63%	5	0	$ 40,000	$ -	$ 198,347	$ -	$ 238,347
10																
11		**Earthwork**			**Unit Rate**	**Ext.**		Total New R/W Area =		1152000	sft	26	acres R/W			$ 940,694
12		Common Excavation	29,630	cys	$ 8	$ 237,040		Property Rate (Undev.) =		12000	$/acre					
13		Rock Excavation	0	cys	$ 40	$ -		Property Rate (Comm.) =		80000	$/acre					
14		Borrow	35,300	cys	$ 10	$ 353,000		Property Rate (Res.) =		20000	$/acre					
15		Subgrade Treatment, Type IC	39424	sys	$ 20	$ 788,480										
16								Shrink Factor (Per IDM) =	15%							
17		**Pavement & Bases**						Assumed Spoil =	10%							
18		QC/QA-HMA, 3, 64, Surface, 9.5 mm	2957	ton	$ 90	$ 266,112		Cut =	21,000	cys						
19		QC/QA-HMA, 3, 64, Intermediate, 19.0 mm	4928	ton	$ 80	$ 394,240										
20		QC/QA-HMA, 3, 64, Base, 19.0 mm	15770	ton	$ 70	$ 1,103,872										
21		QC/QA-HMA, 3, 64, Intermediate OG, 19.0 mm	4480	ton	$ 80	$ 358,400		Available Fill =	18,900	cys						
22		Compacted Aggregate, No. 53, Base	1314	cys	$ 45	$ 59,136										
23		Compacted Aggregate, No. 53	9102	ton	$ 25	$ 227,556		Needed Fill =	54,200	cys						
24																
25		**Incidental Construction**						Surplus =	-35,300	cys						
26		PCCP for Approaches, 9"	1600	sys	$ 75	$ 120,000										
27		HMA for Approaches	6600	ton	$ 110	$ 726,000										
28		Intersection widening	2	each	$ 220,000	$ 440,000										
29		Underdrain	10240	lft	$ 30	$ 307,200										
30		Seeding	45511	sys	$ 5	$ 227,556										
31		Guardrail	1280	lft	$ 40	$ 51,200										
32		Retaining Walls	5120	sft	$ 100	$ 512,000										
33																
34		**Structures**														
35		Building Removal	3	ea	$ 25,000	$ 75,000										
36		White Lick Creek Bridge	18000	sqft	$ 200	$ 3,600,000										
37		Culverts	4	each	$ 500,000	$ 2,000,000										
38																

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1		**E CR 600 S to US 40**														
2		**Sta. 129+00 to Sta. 193+10.28**				$ 9,010,494										
3																
4		Length	6,800	ft				**Land Type**	**% of Land**	**# of Parcels**	**# of Relos**	**Appraising/Buying**	**Relocation Fees**	**Land**	**Relocations**	**Total**
5		Pavement Width	48	ft				Light Industrial	0%	0	0	$ -	$ -	$ -	$ -	$ -
6		Pavement Area	36,267	sys				Commerical	0%	0	0	$ -	$ -	$ -	$ -	$ -
7		Shoulder Width	15	ft				Institutional	0%	0	0	$ -	$ -	$ -	$ -	$ -
8		Shoulder Area	11,333	sys				Residential	20%	2	1	$ 16,000	$ 10,000	$ 140,496	$ 150,000	$ 316,496
9		Unsuitable Soils Area	5236	sys				Undeveloped	80%	8		$ 64,000	$ -	$ 337,190	$ -	$ 401,190
10																
11		**Earthwork**			**Unit Rate**	**Ext.**		Total New R/W Area =		1530000	sft	35	acres R/W			$ 717,686
12		Common Excavation	53,400	cys	$ 8	$ 427,200		Property Rate (Undev.) =		12000	$/acre					
13		Rock Excavation	0	cys	$ 40	$ -		Property Rate (Comm.) =		80000	$/acre					
14		Borrow	74,200	cys	$ 10	$ 742,000		Property Rate (Res.) =		20000	$/acre					
15		Subgrade Treatment, Type IC	52360	sys	$ 20	$ 1,047,200										
16								Shrink Factor (Per IDM) =	15%							
17		**Pavement & Bases**						Assumed Spoil =	10%							
18		QC/QA-HMA, 3, 64, Surface, 9.5 mm	3927	ton	$ 90	$ 353,430		Cut =	26,000	cys						
19		QC/QA-HMA, 3, 64, Intermediate, 19.0 mm	6545	ton	$ 80	$ 523,600										
20		QC/QA-HMA, 3, 64, Base, 19.0 mm	20944	ton	$ 70	$ 1,466,080										
21		QC/QA-HMA, 3, 64, Intermediate OG, 19.0 mm	5950	ton	$ 80	$ 476,000		Available Fill =	23,400	cys						
22		Compacted Aggregate, No. 53, Base	1745	cys	$ 45	$ 78,540										
23		Compacted Aggregate, No. 53	12089	ton	$ 25	$ 302,222		Needed Fill =	97,600	cys						
24																
25		**Incidental Construction**						Surplus =	-74,200	cys						
26		PCCP for Approaches, 9"	2200	sys	$ 75	$ 165,000										
27		HMA for Approaches	6600	ton	$ 110	$ 726,000										
28		Intersection widening	1	each	$ 220,000	$ 220,000										
29		Underdrain	13600	lft	$ 30	$ 408,000										
30		Seeding	60444	sys	$ 5	$ 302,222										
31		Guardrail	1700	lft	$ 40	$ 68,000										
32		Retaining Walls	6800	sft	$ 100	$ 680,000										
33																
34		**Structures**														
35		Building Removal	1	ea	$ 25,000	$ 25,000										
36		White Lick Creek Bridge		sqft	$ 200	$ -										
37		Culverts	2	each	$ 500,000	$ 1,000,000										
38																

ENGINEER'S OPINION OF PROBABLE COST
ALTERNATIVE DX - I-70 from US-40

INDIANA DEPARTMENT OF TRANSPORTATION

DESCRIPTION				TOTAL COST
CONSTRUCTION				**$ 80,000,000**
GENERAL PROVISIONS				
Construction Engineering (2.5%)				$ 1,750,000
Mobilization and Demobilization (5%)				$ 3,500,000
EARTHWORK				
Clearing Right of Way (2%)				$ 1,400,000
Temporary Erosion Control (1%)				$ 700,000
Drainage (1.5%)				$ 1,000,000
Common Excavation				$ 1,547,520
Borrow				$ 3,171,000
Subgrade Treatment				$ 3,003,000
PAVEMENT				
Pavement and Bases				$ 9,176,104
INCIDENTAL				
Incidentals (Retaining Walls, Guadrail, etc.)				$ 8,650,667
STRUCTURES				
Building Demolition and Removals				$ 600,000
Bridges				$ 8,600,000
Culverts				$ 3,500,000
TRAFFIC CONTROL				
Maintenance of Traffic (2%)				$ 1,400,000
MISCELLANEOUS				
Interchange				$ 14,500,000
Contingency (25%)				$ 17,500,000
UTILITIES (5% of CN)				**$ 4,000,000**
RIGHT-OF-WAY ACQUISITION				**$ 7,300,000**
Professinal Fees				$ 616,000
Relocation Costs				$ 3,600,000
Land, Damages and Improvements				$ 1,620,566
Contingency (25%)				$ 1,460,000
MITIGATION (6% of CN)				**$ 4,800,000**
TOTAL PROJECT COSTS (2020 Dollars)				**$ 96,100,000**