

Schematic Level Project Cost Projection

Client:	IH 35 at SH 9 Southbound Exit Ramp Connection	Date:	7/19/2018
Project:	063927004	Prepared By:	LPB
KHA No.:		Checked By:	TPG/LAS

Item No.	Item Description	Unit	Unit Price	ODOT ROW						McClain County				City of Newcastle		Total Construction Cost	
				I-35 Direct Exit		I-35 Entrance Ramp		I-35 Additional Lane & Shoulder		NW 12th Ave		Proposed County Road		Harvey Street			
				QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost		
1	Mobilization	LS	15%	1	\$ 644,392	1	\$ 166,005	1	\$ 123,919	1	\$ 83,444	1	\$ 91,465	1	\$ 56,801	\$ 1,166,025	
2	Clearing and Grubbing	LS	VARIES	1	\$ 70,000	1	\$ 25,000	1	\$ 15,000	1	\$ 9,000	1	\$ 1,000	1	\$ 6,500	\$ 126,500	
3	Removing Stab Base & Asph Pav (7"-12")	SY	\$ 15.00	-	\$ -	4,774	\$ 71,605	12,439	\$ 186,592	5,985	\$ 89,782	-	\$ -	4,251	\$ 63,767	\$ 411,745	
4	Embankment	CY	\$ 12.00	13,738	\$ 164,862	-	\$ -	1,790	\$ 21,476	-	\$ -	-	\$ -	-	\$ -	\$ 186,337	
5	6" Compacted Subgrade	SY	\$ 6.00	-	\$ -	-	\$ -	-	\$ -	6,480	\$ 38,879	13,866	\$ 83,196	5,607	\$ 33,642	\$ 155,718	
6	12" Compacted Subgrade	SY	\$ 10.00	4,280	\$ 42,804	7,055	\$ 70,553	20,014	\$ 200,135	-	\$ -	-	\$ -	-	\$ -	\$ 313,492	
7	6" Flex Base	SY	\$ 12.00	-	\$ -	-	\$ -	-	\$ -	6,480	\$ 77,758	13,866	\$ 166,392	5,607	\$ 67,285	\$ 311,435	
8	8" Flex Base	SY	\$ 15.00	4,280	\$ 64,206	7,055	\$ 105,829	20,014	\$ 300,203	-	\$ -	-	\$ -	-	\$ -	\$ 470,238	
9	2" Type D HMAC Overlay	TON	\$ 65.00	18	\$ 1,159	29	\$ 1,911	83	\$ 5,420	27	\$ 1,755	58	\$ 3,755	23	\$ 1,519	\$ 15,519	
10	Precast RBC 8'x6'	LF	\$ 550.00	-	\$ -	372	\$ 204,600	-	\$ -	-	\$ -	-	\$ -	18	\$ 9,742	\$ 214,342	
11	Precast RBC 7'x4'	LF	\$ 240.00	-	\$ -	1,530	\$ 367,200	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 367,200	
12	Precast RBC 8'x4'	LF	\$ 530.00	160	\$ 84,800	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 84,800	
13	Precast RBC 3'x3'	LF	\$ 490.00	-	\$ -	-	\$ -	-	\$ -	-	\$ -	204	\$ 99,960	-	\$ -	\$ 99,960	
14	Precast RBC 6'x2'	LF	\$ 480.00	-	\$ -	-	\$ -	-	\$ -	-	\$ -	102	\$ 48,960	-	\$ -	\$ 48,960	
15	Precast RBC 5'x2'	LF	\$ 400.00	-	\$ -	-	\$ -	-	\$ -	345	\$ 138,000	-	\$ -	-	\$ -	\$ 138,000	
16	Precast RBC 8'x3'	LF	\$ 530.00	-	\$ -	-	\$ -	-	\$ -	184	\$ 97,520	-	\$ -	-	\$ -	\$ 97,520	
17	RCP (24 in)	LF	\$ 60.00	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	102	\$ 6,120	\$ 6,120	
18	Prestressed Concrete Beams (Type C)	LF	\$ 100.00	1,300	\$ 130,000	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 130,000	
19	Retaining Wall	SF	\$ 50.00	33,072	\$ 1,653,602	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 1,653,602	
20	Abutments	CY	\$ 900.00	44	\$ 39,909	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 39,909	
21	Pier Cap	CY	\$ 900.00	61	\$ 55,104	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 55,104	
22	Columns	CY	\$ 875.00	750	\$ 655,941	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 655,941	
23	Drilled Shafts (36")	LF	\$ 300.00	1,500	\$ 450,000	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 450,000	
24	Concrete Deck	SF	\$ 17.00	8,966	\$ 152,424	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 152,424	
25	Approach Slab	SY	\$ 475.00	93	\$ 44,333	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 44,333	
26	Concrete Bridge Rail	LF	\$ 100.00	730	\$ 73,000	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 73,000	
27	Concrete Rail	LF	\$ 100.00	2,038	\$ 203,800	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 203,800	
28	Remove Traffic Signal	LS	\$ 50,000.00	-	\$ -	-	\$ -	-	\$ -	1	\$ 50,000	-	\$ -	-	\$ -	\$ 50,000	
29	Traffic Signal Adjustments	LS	\$ 100,000.00	-	\$ -	1	\$ 100,000	-	\$ -	-	\$ -	-	\$ -	-	\$ -	\$ 100,000	
30	Traffic Signal	LS	\$ 300,000.00	-	\$ -	-	\$ -	-	\$ -	-	\$ -	0.5	\$ 150,000	0.5	\$ 150,000	\$ 300,000	
31	Erosion Control	LS	VARIES	1	\$ 75,000	1	\$ 27,000	1	\$ 15,000	1	\$ 9,000	1	\$ 1,000	1	\$ 6,700	\$ 133,700	
32	Traffic Control	LS	VARIES	1	\$ 300,000	1	\$ 120,000	1	\$ 75,000	1	\$ 40,000	1	\$ 50,000	1	\$ 30,000	\$ 615,000	
33	Pavement Markings	LS	VARIES	1	\$ 35,000	1	\$ 13,000	1	\$ 7,300	1	\$ 4,600	1	\$ 5,500	1	\$ 3,400	\$ 68,800	
Improvements				\$	4,940,336	\$	1,272,702	\$	950,045	\$	639,737	\$	701,229	\$	435,476	\$	8,939,500
Conting. (% +/-) 20.0%				\$	988,700.00	\$	255,200.00	\$	190,700.00	\$	128,600.00	\$	140,900.00	\$	87,700.00	\$	1,791,800
Total Est. Construction Cost				\$	5,929,036	\$	1,527,902	\$	1,140,745	\$	768,337	\$	842,129	\$	523,176	\$	10,731,300

- Basis for Cost Projection:
- No Design Completed
 - Preliminary Design
 - Final Design

Inflation Contingency	10%	\$ 1,073,100.00
Franchise Utilities	EST	\$ 920,000.00
Engineering/Survey/Testing	20%	\$ 2,146,300.00
ROW/Easement Acquisition	EST	\$ 3,500,000.00
Total Project Cost		\$ 18,370,700

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.