



Appendix C:
Preliminary Cost Estimates

PAGE INTENTIONALLY LEFT BLANK

PROJECT: I-35 CAIP (WILLIAMSON COUNTY)
I-35 WILLIAMSON COUNTY CORRIDOR PROJECTS SUMMARY
SPEC YEAR: 2014
UNITS: ENGLISH

CORRIDOR SUMMARY

HDR Engineering, Inc.

This estimate represents our engineering judgment as professionals knowledgeable with the construction of similar projects. This estimate is for planning and programming purposes only and does not guarantee that bids will not vary from it. This estimate is based upon TxDOT Austin District and statewide average unit bid prices (2013-2014).

PROJECT	TOTAL CONSTRUCTION COST	
FTC AND MAINLANE IMPROVEMENTS (NORTH)	\$	66,539,000
SH 195/BERRY CREEK ROAD INTERSECTION	\$	2,426,000
I-35 FRONTAGE ROADS AT SH 195	\$	13,809,000
LAKEWAY DRIVE/NE INNER LOOP INTERCHANGE	\$	23,875,000
STATE SPUR 158 (WILLIAMS DRIVE) INTERCHANGE	\$	46,619,000
FTC AND MAINLANE IMPROVEMENTS (SOUTH)	\$	91,279,000
SH 29 INTERCHANGE	\$	20,344,000
RM 2243/LEANDER ROAD INTERCHANGE	\$	41,218,000
WESTINGHOUSE ROAD INTERCHANGE	\$	38,928,000
TOTAL CORRIDOR CONSTRUCTION COST	\$	345,037,000
FUTURE PROJECT	TOTAL CONSTRUCTION COST	
SH 195 DIRECT CONNECTORS	\$	79,166,000
TOTAL FUTURE PROJECT CONSTRUCTION COST	\$	79,166,000

FTC AND MAINLANE IMPROVEMENTS (NORTH)

PROJECT: I-35 CAIP (WILLIAMSON COUNTY)

LIMITS : 0.782 MI N OF DRY BERRY CREEK TO 0.833 MI S OF SS 158 (WILLIAMS DR)

SPEC YEAR: 2014

UNITS: ENGLISH

HDR Engineering, Inc.

This estimate represents our engineering judgment as professionals knowledgeable with the construction of similar projects. This estimate is for planning and programming purposes only and does not guarantee that bids will not vary from it.

This estimate is based upon TxDOT Austin District and statewide average unit bid prices (2013-2014).

DESCRIPTION

Mainlane widening to accommodate FTC; widen mainlane bridges at Dry Berry Creek, Berry Creek, and North Fork San Gabriel River; construct auxiliary lanes.

I-35 CAIP					
ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
QUANTIFIED ITEMS					
100	PREP ROW	STA	\$ 2,000	309	\$ 618,000
110	EXCAVATION (ROADWAY)	CY	\$ 10.00	77,700	\$ 777,000
132	EMBANKMENT	CY	\$ 9.00	36,600	\$ 330,000
260	LIME TREATMENT	SY	\$ 3.00	161,300	\$ 484,000
260	LIME	TON	\$ 175	5,450	\$ 954,000
340	D - GR HMA (SQ) TY - A	TON	\$ 80	106,500	\$ 8,520,000
340	D - GR HMA (SQ) TY - B	TON	\$ 85	71,400	\$ 6,070,000
340	D - GR HMA (SQ) TY - C	TON	\$ 95	18,100	\$ 1,720,000
340	D - GR HMA (SQ) TY - C (SURF)	TON	\$ 110	34,800	\$ 3,830,000
4XX	BRIDGES (CONC)	SF	\$ 80	35,300	\$ 2,830,000
4XX	BRIDGES (STEEL)	SF	\$ 130	-	\$ -
354	PLANE ASPH CONC PAV	SY	\$ 1.80	148,300	\$ 267,000
423	RETAINING WALLS (MSE)	SF	\$ 42	-	\$ -
432	RIPRAP (DRAINAGE CHANNEL)	CY	\$ 350	-	\$ -
450	RAIL (TY SSTR)	LF	\$ 55	10,860	\$ 598,000
462	CONC BOX CULV	LF	\$ -	-	\$ -
529	CONC CURB & GUTTER (TY II)	LF	\$ 15	-	\$ -
531	CONC SIDEWALKS (5")	SY	\$ 48	-	\$ -
536	CONC MEDIAN (RAISED MEDIAN)	SY	\$ 55	-	\$ -
540	MBGF	LF	\$ 20	6,900	\$ 138,000
ITEMIZED COST SUBTOTAL					\$ 27,136,000
PERCENTAGE ITEMS					
		UNIT	PERCENTAGE		COST
100	REMOVALS AND DEMOLITION	%	5.0%	-	\$ 1,360,000
46X	DRAINAGE	%	10.0%	-	\$ 2,720,000
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	%	14.0%	-	\$ 3,800,000
666	PAVEMENT MARKINGS	%	1.0%	-	\$ 272,000
6XX	SIGNING	%	5.0%	-	\$ 1,360,000
6XX	TRAFFIC SIGNALS & LIGHTING	%	5.0%	-	\$ 1,360,000
	UTILITIES	%	5.0%	-	\$ 1,360,000
PERCENTAGE BASED COST SUBTOTAL					\$ 12,232,000
MISCELLANEOUS ITEMS					
		UNIT	UNIT PRICE	QUANTITY	COST
	MOBILIZATION	%	10.0%	-	\$ 3,937,000
	¹ MISCELLANEOUS	%	20.0%	-	\$ 7,874,000
MISCELLANEOUS COST SUBTOTAL					\$ 11,811,000
CONSTRUCTION COST SUBTOTAL					\$ 51,179,000
² 30% CONTINGENCY					\$ 15,360,000
³ TOTAL CONSTRUCTION COST					\$ 66,539,000
NOTES					
1. 20% has been added to account for miscellaneous items such as: ITS, SW3P; landscaping; irrigation; seeding; and aesthetics					
2. 30% contingency was also included to account for planning level of detail.					
3. Construction cost only. Right of Way and other Program costs are not included.					

SH 195/BERRY CREEK ROAD INTERSECTION

PROJECT: I-35 CAIP (WILLIAMSON COUNTY)

LIMITS : 0.149 MI W OF BERRY CREEK DR TO THE I-35 SOUTHBOUND FRONTAGE RD

SPEC YEAR: 2014

UNITS: ENGLISH

HDR Engineering, Inc.

This estimate represents our engineering judgment as professionals knowledgeable with the construction of similar projects. This estimate is for planning and programming purposes only and does not guarantee that bids will not vary from it.

This estimate is based upon TxDOT Austin District and statewide average unit bid prices (2013-2014).

DESCRIPTION

Improve SH 195/Berry Creek Drive intersection by constructing "high-T" intersection, added lanes, and install signals; construct bicycle and pedestrian improvements.

I-35 CAIP					
ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
QUANTIFIED ITEMS					
100	PREP ROW	STA	\$ 2,000	26	\$ 52,000
110	EXCAVATION (ROADWAY)	CY	\$ 10.00	2,700	\$ 27,000
132	EMBANKMENT	CY	\$ 9.00	7,900	\$ 72,000
260	LIME TREATMENT	SY	\$ 3.00	6,000	\$ 18,000
260	LIME	TON	\$ 175	140	\$ 25,000
340	D - GR HMA (SQ) TY - A	TON	\$ 80	2,700	\$ 216,000
340	D - GR HMA (SQ) TY - B	TON	\$ 85	1,300	\$ 111,000
340	D - GR HMA (SQ) TY - C	TON	\$ 95	700	\$ 67,000
340	D - GR HMA (SQ) TY - C (SURF)	TON	\$ 110	800	\$ 88,000
4XX	BRIDGES (CONC)	SF	\$ 80	-	\$ -
4XX	BRIDGES (STEEL)	SF	\$ 130	-	\$ -
354	PLANE ASPH CONC PAV	SY	\$ 1.80	10,100	\$ 19,000
423	RETAINING WALLS (MSE)	SF	\$ 42	-	\$ -
432	RIPRAP (DRAINAGE CHANNEL)	CY	\$ 350	-	\$ -
450	RAIL (TY SSTR)	LF	\$ 55	-	\$ -
462	CONC BOX CULV	LF	\$ -	-	\$ -
529	CONC CURB & GUTTER (TY II)	LF	\$ 15	3,200	\$ 48,000
531	CONC SIDEWALKS (5")	SY	\$ 48	2,100	\$ 101,000
536	CONC MEDIAN (RAISED MEDIAN)	SY	\$ 55	-	\$ -
540	MBGF	LF	\$ 20	-	\$ -
ITEMIZED COST SUBTOTAL					\$ 844,000
PERCENTAGE ITEMS					
		UNIT	PERCENTAGE		COST
100	REMOVALS AND DEMOLITION	%	5.0%	-	\$ 43,000
46X	DRAINAGE	%	10.0%	-	\$ 85,000
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	%	8.0%	-	\$ 68,000
666	PAVEMENT MARKINGS	%	1.0%	-	\$ 9,000
6XX	SIGNING	%	5.0%	-	\$ 43,000
6XX	TRAFFIC SIGNALS & LIGHTING	LS	-	-	\$ 300,000
	UTILITIES	%	5.0%	-	\$ 43,000
PERCENTAGE BASED COST SUBTOTAL					\$ 591,000
MISCELLANEOUS ITEMS					
		UNIT	UNIT PRICE	QUANTITY	COST
	MOBILIZATION	%	10.0%	-	\$ 144,000
	¹ MISCELLANEOUS	%	20.0%	-	\$ 287,000
MISCELLANEOUS COST SUBTOTAL					\$ 431,000
CONSTRUCTION COST SUBTOTAL					\$ 1,866,000
² 30% CONTINGENCY					\$ 560,000
³ TOTAL CONSTRUCTION COST					\$ 2,426,000
NOTES					
1. 20% has been added to account for miscellaneous items such as: ITS, SW3P; landscaping; irrigation; seeding; and aesthetics					
2. 30% contingency was also included to account for planning level of detail.					
3. Construction cost only. Right of Way and other Program costs are not included.					

I-35 FRONTAGE ROADS AT SH 195

PROJECT: I-35 CAIP (WILLIAMSON COUNTY)
LIMITS : 0.311 MI N OF DRY BERRY CREEK TO 0.027 MI S OF BERRY CREEK
SPEC YEAR: 2014
UNITS: ENGLISH

HDR Engineering, Inc.

This estimate represents our engineering judgment as professionals knowledgeable with the construction of similar projects. This estimate is for planning and programming purposes only and does not guarantee that bids will not vary from it.
 This estimate is based upon TxDOT Austin District and statewide average unit bid prices (2013-2014).

DESCRIPTION

Widen frontage roads; widen frontage road bridges; construct bicycle and pedestrian improvements.

I-35 CAIP					
ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
QUANTIFIED ITEMS					
100	PREP ROW	STA	\$ 2,000	85	\$ 170,000
110	EXCAVATION (ROADWAY)	CY	\$ 10.00	7,500	\$ 75,000
132	EMBANKMENT	CY	\$ 9.00	28,500	\$ 257,000
260	LIME TREATMENT	SY	\$ 3.00	13,500	\$ 41,000
260	LIME	TON	\$ 175	320	\$ 56,000
340	D - GR HMA (SQ) TY - A	TON	\$ 80	6,300	\$ 504,000
340	D - GR HMA (SQ) TY - B	TON	\$ 85	3,300	\$ 281,000
340	D - GR HMA (SQ) TY - C	TON	\$ 95	1,500	\$ 143,000
340	D - GR HMA (SQ) TY - C (SURF)	TON	\$ 110	7,800	\$ 858,000
4XX	BRIDGES (CONC)	SF	\$ 80	23,700	\$ 1,900,000
4XX	BRIDGES (STEEL)	SF	\$ 130	-	\$ -
354	PLANE ASPH CONC PAV	SY	\$ 1.80	55,900	\$ 101,000
423	RETAINING WALLS (MSE)	SF	\$ 42	8,670	\$ 365,000
432	RIPRAP (DRAINAGE CHANNEL)	CY	\$ 350	-	\$ -
450	RAIL (TY SSTR)	LF	\$ 55	-	\$ -
462	CONC BOX CULV	LF	\$ -	-	\$ -
529	CONC CURB & GUTTER (TY II)	LF	\$ 15	23,900	\$ 359,000
531	CONC SIDEWALKS (5")	SY	\$ 48	14,200	\$ 682,000
536	CONC MEDIAN (RAISED MEDIAN)	SY	\$ 55	110	\$ 7,000
540	MBGF	LF	\$ 20	3,800	\$ 76,000
ITEMIZED COST SUBTOTAL					\$ 5,875,000
PERCENTAGE ITEMS					
		UNIT	PERCENTAGE		COST
100	REMOVALS AND DEMOLITION	%	5.0%	-	\$ 294,000
46X	DRAINAGE	%	10.0%	-	\$ 588,000
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	%	8.0%	-	\$ 470,000
666	PAVEMENT MARKINGS	%	1.0%	-	\$ 59,000
6XX	SIGNING	%	5.0%	-	\$ 294,000
6XX	TRAFFIC SIGNALS & LIGHTING	%	5.0%	-	\$ 294,000
	UTILITIES	%	5.0%	-	\$ 294,000
PERCENTAGE BASED COST SUBTOTAL					\$ 2,293,000
MISCELLANEOUS ITEMS					
		UNIT	UNIT PRICE	QUANTITY	COST
	MOBILIZATION	%	10.0%	-	\$ 817,000
	¹ MISCELLANEOUS	%	20.0%	-	\$ 1,634,000
MISCELLANEOUS COST SUBTOTAL					\$ 2,451,000
CONSTRUCTION COST SUBTOTAL					\$ 10,619,000
² 30% CONTINGENCY					\$ 3,190,000
³ TOTAL CONSTRUCTION COST					\$ 13,809,000
NOTES					
1. 20% has been added to account for miscellaneous items such as: ITS, SW3P; landscaping; irrigation; seeding; and aesthetics					
2. 30% contingency was also included to account for planning level of detail.					
3. Construction cost only. Right of Way and other Program costs are not included.					

LAKEWAY DRIVE/NE INNER LOOP INTERCHANGE

PROJECT: I-35 CAIP (WILLIAMSON COUNTY)
LIMITS: 0.027 MI S OF BERRY CREEK TO 0.402 S OF LAKEWAY DR
SPEC YEAR: 2014
UNITS: ENGLISH

HDR Engineering, Inc.

This estimate represents our engineering judgment as professionals knowledgeable with the construction of similar projects. This estimate is for planning and programming purposes only and does not guarantee that bids will not vary from it.
 This estimate is based upon TxDOT Austin District and statewide average unit bid prices (2013-2014).

DESCRIPTION

Widen Lakeway/NE Inner Loop underpass to construct conventional interchange; relocate Austin Ave.; widen frontage roads; construct mainlane and frontage road auxiliary lanes; reverse ramps; construct bicycle and pedestrian improvements.

I-35 CAIP					
ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
QUANTIFIED ITEMS					
100	PREP ROW	STA	\$ 2,000	125	\$ 250,000
110	EXCAVATION (ROADWAY)	CY	\$ 10.00	33,800	\$ 338,000
132	EMBANKMENT	CY	\$ 9.00	31,100	\$ 280,000
260	LIME TREATMENT	SY	\$ 3.00	52,800	\$ 159,000
260	LIME	TON	\$ 175	1,300	\$ 228,000
340	D - GR HMA (SQ) TY - A	TON	\$ 80	25,600	\$ 2,050,000
340	D - GR HMA (SQ) TY - B	TON	\$ 85	13,800	\$ 1,180,000
340	D - GR HMA (SQ) TY - C	TON	\$ 95	5,900	\$ 561,000
340	D - GR HMA (SQ) TY - C (SURF)	TON	\$ 110	13,100	\$ 1,450,000
4XX	BRIDGES (CONC)	SF	\$ 80	7,700	\$ 616,000
4XX	BRIDGES (STEEL)	SF	\$ 130	-	\$ -
354	PLANE ASPH CONC PAV	SY	\$ 1.80	83,600	\$ 151,000
423	RETAINING WALLS (MSE)	SF	\$ 42	5,700	\$ 240,000
432	RIPRAP (DRAINAGE CHANNEL)	CY	\$ 350	-	\$ -
450	RAIL (TY SSTR)	LF	\$ 55	900	\$ 50,000
462	CONC BOX CULV	LF	\$ 600	440	\$ 264,000
529	CONC CURB & GUTTER (TY II)	LF	\$ 15	49,600	\$ 744,000
531	CONC SIDEWALKS (5")	SY	\$ 48	27,300	\$ 1,320,000
536	CONC MEDIAN (RAISED MEDIAN)	SY	\$ 55	3,600	\$ 198,000
540	MBGF	LF	\$ 20	4,000	\$ 80,000
ITEMIZED COST SUBTOTAL					\$ 10,159,000
PERCENTAGE ITEMS					
		UNIT	PERCENTAGE		COST
100	REMOVALS AND DEMOLITION	%	5.0%	-	\$ 508,000
46X	DRAINAGE	%	10.0%	-	\$ 1,020,000
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	%	8.0%	-	\$ 813,000
666	PAVEMENT MARKINGS	%	1.0%	-	\$ 102,000
6XX	SIGNING	%	5.0%	-	\$ 508,000
6XX	TRAFFIC SIGNALS & LIGHTING	%	5.0%	-	\$ 508,000
	UTILITIES	%	5.0%	-	\$ 508,000
PERCENTAGE BASED COST SUBTOTAL					\$ 3,967,000
MISCELLANEOUS ITEMS					
		UNIT	UNIT PRICE	QUANTITY	COST
	MOBILIZATION	%	10.0%	-	\$ 1,413,000
	¹ MISCELLANEOUS	%	20.0%	-	\$ 2,826,000
MISCELLANEOUS COST SUBTOTAL					\$ 4,239,000
CONSTRUCTION COST SUBTOTAL					\$ 18,365,000
² 30% CONTINGENCY					\$ 5,510,000
³ TOTAL CONSTRUCTION COST					\$ 23,875,000
NOTES					
1. 20% has been added to account for miscellaneous items such as: ITS, SW3P; landscaping; irrigation; seeding; and aesthetics					
2. 30% contingency was also included to account for planning level of detail.					
3. Construction cost only. Right of Way and other Program costs are not included.					

STATE SPUR 158 (WILLIAMS DRIVE) INTERCHANGE

PROJECT: I-35 CAIP (WILLIAMSON COUNTY)

LIMITS: 0.402 MI S OF LAKEWAY DR TO 0.833 MI S OF SS 158 (WILLIAMS DR)

SPEC YEAR: 2014

UNITS: ENGLISH

HDR Engineering, Inc.

This estimate represents our engineering judgment as professionals knowledgeable with the construction of similar projects. This estimate is for planning and programming purposes only and does not guarantee that bids will not vary from it.

This estimate is based upon TxDOT Austin District and statewide average unit bid prices (2013-2014).

DESCRIPTION

Construct new Williams Drive underpass to accommodate diverging diamond interchange (DDI); widen southbound mainlane bridge at North Fork San Gabriel River; construct collector-distributor roads; improve Austin Ave; construct frontage road; construct bicycle and pedestrian improvements.

I-35 CAIP					
ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
QUANTIFIED ITEMS					
100	PREP ROW	STA	\$ 2,000	158	\$ 317,000
110	EXCAVATION (ROADWAY)	CY	\$ 10.00	60,500	\$ 605,000
132	EMBANKMENT	CY	\$ 9.00	58,900	\$ 531,000
260	LIME TREATMENT	SY	\$ 3.00	94,300	\$ 283,000
260	LIME	TON	\$ 175	2,470	\$ 433,000
340	D - GR HMA (SQ) TY - A	TON	\$ 80	48,500	\$ 3,880,000
340	D - GR HMA (SQ) TY - B	TON	\$ 85	27,500	\$ 2,340,000
340	D - GR HMA (SQ) TY - C	TON	\$ 95	10,600	\$ 1,010,000
340	D - GR HMA (SQ) TY - C (SURF)	TON	\$ 110	17,700	\$ 1,950,000
4XX	BRIDGES (CONC)	SF	\$ 80	59,900	\$ 4,800,000
4XX	BRIDGES (STEEL)	SF	\$ 130	-	\$ -
354	PLANE ASPH CONC PAV	SY	\$ 1.80	74,300	\$ 134,000
423	RETAINING WALLS (MSE)	SF	\$ 42	16,600	\$ 698,000
432	RIPRAP (DRAINAGE CHANNEL)	CY	\$ 350	130	\$ 46,000
450	RAIL (TY SSTR)	LF	\$ 55	7,190	\$ 396,000
462	CONC BOX CULV	LF	\$ 600	87	\$ 53,000
529	CONC CURB & GUTTER (TY II)	LF	\$ 15	59,500	\$ 893,000
531	CONC SIDEWALKS (5")	SY	\$ 48	26,500	\$ 1,280,000
536	CONC MEDIAN (RAISED MEDIAN)	SY	\$ 55	1,860	\$ 103,000
540	MBGF	LF	\$ 20	4,200	\$ 84,000
ITEMIZED COST SUBTOTAL					\$ 19,836,000
PERCENTAGE ITEMS					
		UNIT	PERCENTAGE		COST
100	REMOVALS AND DEMOLITION	%	5.0%	-	\$ 992,000
46X	DRAINAGE	%	10.0%	-	\$ 1,990,000
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	%	8.0%	-	\$ 1,590,000
666	PAVEMENT MARKINGS	%	1.0%	-	\$ 199,000
6XX	SIGNING	%	5.0%	-	\$ 992,000
6XX	TRAFFIC SIGNALS & LIGHTING	%	5.0%	-	\$ 992,000
	UTILITIES	%	5.0%	-	\$ 992,000
PERCENTAGE BASED COST SUBTOTAL					\$ 7,747,000
MISCELLANEOUS ITEMS					
		UNIT	UNIT PRICE	QUANTITY	COST
	MOBILIZATION	%	10.0%	-	\$ 2,759,000
	¹ MISCELLANEOUS	%	20.0%		\$ 5,517,000
MISCELLANEOUS COST SUBTOTAL					\$ 8,276,000
CONSTRUCTION COST SUBTOTAL					\$ 35,860,000
²30% CONTINGENCY					\$ 10,760,000
³TOTAL CONSTRUCTION COST					\$ 46,619,000
NOTES					
1. 20% has been added to account for miscellaneous items such as: ITS, SW3P; landscaping; irrigation; seeding; and aesthetics					
2. 30% contingency was also included to account for planning level of detail.					
3. Construction cost only. Right of Way and other Program costs are not included.					

FTC AND MAINLANE IMPROVEMENTS (SOUTH)

PROJECT: I-35 CAIP (WILLIAMSON COUNTY)

LIMITS: 0.833 MI S OF SS 158 (WILLIAMS DR) TO 0.080 MI S OF RM 1431

SPEC YEAR: 2014

UNITS: ENGLISH

HDR Engineering, Inc.

This estimate represents our engineering judgment as professionals knowledgeable with the construction of similar projects. This estimate is for planning and programming purposes only and does not guarantee that bids will not vary from it.

This estimate is based upon TxDOT Austin District and statewide average unit bid prices (2013-2014).

DESCRIPTION

Mainlane widening to accommodate FTC; reconstruct mainlane bridges at SE Inner Loop; construct auxiliary lanes; widen mainlane bridges at South Fork San Gabriel River.

I-35 CAIP					
ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
QUANTIFIED ITEMS					
100	PREP ROW	STA	\$ 2,000	311	\$ 621,000
110	EXCAVATION (ROADWAY)	CY	\$ 10.00	97,100	\$ 971,000
132	EMBANKMENT	CY	\$ 9.00	105,200	\$ 947,000
260	LIME TREATMENT	SY	\$ 3.00	148,900	\$ 447,000
260	LIME	TON	\$ 175	5,020	\$ 879,000
340	D - GR HMA (SQ) TY - A	TON	\$ 80	98,300	\$ 7,870,000
340	D - GR HMA (SQ) TY - B	TON	\$ 85	65,800	\$ 5,600,000
340	D - GR HMA (SQ) TY - C	TON	\$ 95	16,700	\$ 1,590,000
340	D - GR HMA (SQ) TY - C (SURF)	TON	\$ 110	50,400	\$ 5,550,000
4XX	BRIDGES (CONC)	SF	\$ 80	150,000	\$ 12,000,000
4XX	BRIDGES (STEEL)	SF	\$ 130	-	\$ -
354	PLANE ASPH CONC PAV	SY	\$ 1.80	299,900	\$ 540,000
423	RETAINING WALLS (MSE)	SF	\$ 42	-	\$ -
432	RIPRAP (DRAINAGE CHANNEL)	CY	\$ 350	-	\$ -
450	RAIL (TY SSTR)	LF	\$ 55	-	\$ -
462	CONC BOX CULV	LF	\$ -	-	\$ -
529	CONC CURB & GUTTER (TY II)	LF	\$ 15	-	\$ -
531	CONC SIDEWALKS (5")	SY	\$ 48	-	\$ -
536	CONC MEDIAN (RAISED MEDIAN)	SY	\$ 55	-	\$ -
540	MBGF	LF	\$ 20	9,900	\$ 198,000
ITEMIZED COST SUBTOTAL					\$ 37,213,000
PERCENTAGE ITEMS					
		UNIT	PERCENTAGE		COST
100	REMOVALS AND DEMOLITION	%	5.0%	-	\$ 1,870,000
46X	DRAINAGE	%	10.0%	-	\$ 3,730,000
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	%	14.0%	-	\$ 5,210,000
666	PAVEMENT MARKINGS	%	1.0%	-	\$ 373,000
6XX	SIGNING	%	5.0%	-	\$ 1,870,000
6XX	TRAFFIC SIGNALS & LIGHTING	%	5.0%	-	\$ 1,870,000
	UTILITIES	%	5.0%	-	\$ 1,870,000
PERCENTAGE BASED COST SUBTOTAL					\$ 16,793,000
MISCELLANEOUS ITEMS					
		UNIT	UNIT PRICE	QUANTITY	COST
	MOBILIZATION	%	10.0%	-	\$ 5,401,000
	¹ MISCELLANEOUS	%	20.0%	-	\$ 10,802,000
MISCELLANEOUS COST SUBTOTAL					\$ 16,203,000
CONSTRUCTION COST SUBTOTAL					\$ 70,209,000
² 30% CONTINGENCY					\$ 21,070,000
³ TOTAL CONSTRUCTION COST					\$ 91,279,000
NOTES					
1. 20% has been added to account for miscellaneous items such as: ITS, SW3P; landscaping; irrigation; seeding; and aesthetics					
2. 30% contingency was also included to account for planning level of detail.					
3. Construction cost only. Right of Way and other Program costs are not included.					

SH 29 INTERCHANGE

PROJECT: I-35 CAIP (WILLIAMSON COUNTY)

LIMITS: 0.833 MI S OF SS 158 (WILLIAMS DR) TO 0.549 MI S OF SH 29

SPEC YEAR: 2014

UNITS: ENGLISH

HDR Engineering, Inc.

This estimate represents our engineering judgment as professionals knowledgeable with the construction of similar projects. This estimate is for planning and programming purposes only and does not guarantee that bids will not vary from it.

This estimate is based upon TxDOT Austin District and statewide average unit bid prices (2013-2014).

DESCRIPTION

Replace SH 29 underpass; construct new conventional interchange; improve frontage roads; reverse ramps; construct bicycle and pedestrian facilities.

I-35 CAIP					
ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
QUANTIFIED ITEMS					
100	PREP ROW	STA	\$ 2,000	88	\$ 177,000
110	EXCAVATION (ROADWAY)	CY	\$ 10.00	25,900	\$ 259,000
132	EMBANKMENT	CY	\$ 9.00	15,700	\$ 142,000
260	LIME TREATMENT	SY	\$ 3.00	25,300	\$ 76,000
260	LIME	TON	\$ 175	640	\$ 112,000
340	D - GR HMA (SQ) TY - A	TON	\$ 80	12,500	\$ 1,000,000
340	D - GR HMA (SQ) TY - B	TON	\$ 85	6,900	\$ 587,000
340	D - GR HMA (SQ) TY - C	TON	\$ 95	2,800	\$ 266,000
340	D - GR HMA (SQ) TY - C (SURF)	TON	\$ 110	8,500	\$ 935,000
4XX	BRIDGES (CONC)	SF	\$ 80	36,100	\$ 2,890,000
4XX	BRIDGES (STEEL)	SF	\$ 130	-	\$ -
354	PLANE ASPH CONC PAV	SY	\$ 1.80	64,000	\$ 116,000
423	RETAINING WALLS (MSE)	SF	\$ 42	12,930	\$ 544,000
432	RIPRAP (DRAINAGE CHANNEL)	CY	\$ 350	-	\$ -
450	RAIL (TY SSTR)	LF	\$ 55	900	\$ 50,000
462	CONC BOX CULV	LF	\$ -	-	\$ -
529	CONC CURB & GUTTER (TY II)	LF	\$ 15	29,700	\$ 446,000
531	CONC SIDEWALKS (5")	SY	\$ 48	17,600	\$ 845,000
536	CONC MEDIAN (RAISED MEDIAN)	SY	\$ 55	3,480	\$ 192,000
540	MBGF	LF	\$ 20	1,100	\$ 22,000
ITEMIZED COST SUBTOTAL					\$ 8,659,000
PERCENTAGE ITEMS					
		UNIT	PERCENTAGE		COST
100	REMOVALS AND DEMOLITION	%	5.0%	-	\$ 433,000
46X	DRAINAGE	%	10.0%	-	\$ 866,000
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	%	8.0%	-	\$ 693,000
666	PAVEMENT MARKINGS	%	1.0%	-	\$ 87,000
6XX	SIGNING	%	5.0%	-	\$ 433,000
6XX	TRAFFIC SIGNALS & LIGHTING	%	5.0%	-	\$ 433,000
	UTILITIES	%	5.0%	-	\$ 433,000
PERCENTAGE BASED COST SUBTOTAL					\$ 3,378,000
MISCELLANEOUS ITEMS					
		UNIT	UNIT PRICE	QUANTITY	COST
	MOBILIZATION	%	10.0%	-	\$ 1,204,000
	¹ MISCELLANEOUS	%	20.0%	-	\$ 2,408,000
MISCELLANEOUS COST SUBTOTAL					\$ 3,612,000
CONSTRUCTION COST SUBTOTAL					\$ 15,650,000
²30% CONTINGENCY					\$ 4,695,000
³TOTAL CONSTRUCTION COST					\$ 20,344,000
NOTES					
1. 20% has been added to account for miscellaneous items such as: ITS, SW3P; landscaping; irrigation; seeding; and aesthetics					
2. 30% contingency was also included to account for planning level of detail.					
3. Construction cost only. Right of Way and other Program costs are not included.					

RM 2243/LEANDER ROAD INTERCHANGE

PROJECT: I-35 CAIP (WILLIAMSON COUNTY)
LIMITS: 0.549 MI S OF SH 29 TO 1.229 MI N OF WESTINGHOUSE RD
SPEC YEAR: 2014
UNITS: ENGLISH

HDR Engineering, Inc.

This estimate represents our engineering judgment as professionals knowledgeable with the construction of similar projects. This estimate is for planning and programming purposes only and does not guarantee that bids will not vary from it. This estimate is based upon TxDOT Austin District and statewide average unit bid prices (2013-2014).

DESCRIPTION

Replace RM 2243/Leander Road underpass; construct new continuous flow interchange (CFI); construct turnaround; improve frontage roads and SE Inner Loop crossing; reverse ramps; construct bicycle and pedestrian facilities.

I-35 CAIP					
ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
QUANTIFIED ITEMS					
100	PREP ROW	STA	\$ 2,000	115	\$ 230,000
110	EXCAVATION (ROADWAY)	CY	\$ 10.00	36,400	\$ 364,000
132	EMBANKMENT	CY	\$ 9.00	358,400	\$ 3,230,000
260	LIME TREATMENT	SY	\$ 3.00	64,900	\$ 195,000
260	LIME	TON	\$ 175	1,640	\$ 287,000
340	D - GR HMA (SQ) TY - A	TON	\$ 80	32,200	\$ 2,580,000
340	D - GR HMA (SQ) TY - B	TON	\$ 85	17,700	\$ 1,510,000
340	D - GR HMA (SQ) TY - C	TON	\$ 95	7,300	\$ 694,000
340	D - GR HMA (SQ) TY - C (SURF)	TON	\$ 110	11,300	\$ 1,250,000
4XX	BRIDGES (CONC)	SF	\$ 80	42,500	\$ 3,400,000
4XX	BRIDGES (STEEL)	SF	\$ 130	-	\$ -
354	PLANE ASPH CONC PAV	SY	\$ 1.80	49,200	\$ 89,000
423	RETAINING WALLS (MSE)	SF	\$ 42	23,350	\$ 981,000
432	RIPRAP (DRAINAGE CHANNEL)	CY	\$ 350	-	\$ -
450	RAIL (TY SSTR)	LF	\$ 55	900	\$ 50,000
462	CONC BOX CULV	LF	\$ 600	438	\$ 263,000
529	CONC CURB & GUTTER (TY II)	LF	\$ 15	44,700	\$ 671,000
531	CONC SIDEWALKS (5")	SY	\$ 48	31,400	\$ 1,510,000
536	CONC MEDIAN (RAISED MEDIAN)	SY	\$ 55	2,680	\$ 148,000
540	MBGF	LF	\$ 20	5,800	\$ 116,000
ITEMIZED COST SUBTOTAL					\$ 17,568,000
PERCENTAGE ITEMS					
		UNIT	PERCENTAGE		COST
100	REMOVALS AND DEMOLITION	%	5.0%	-	\$ 879,000
46X	DRAINAGE	%	10.0%	-	\$ 1,760,000
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	%	8.0%	-	\$ 1,410,000
666	PAVEMENT MARKINGS	%	1.0%	-	\$ 176,000
6XX	SIGNING	%	5.0%	-	\$ 879,000
6XX	TRAFFIC SIGNALS & LIGHTING	%	5.0%	-	\$ 879,000
	UTILITIES	%	5.0%	-	\$ 879,000
PERCENTAGE BASED COST SUBTOTAL					\$ 6,862,000
MISCELLANEOUS ITEMS					
		UNIT	UNIT PRICE	QUANTITY	COST
	MOBILIZATION	%	10.0%	-	\$ 2,443,000
	¹ MISCELLANEOUS	%	20.0%	-	\$ 4,886,000
MISCELLANEOUS COST SUBTOTAL					\$ 7,329,000
CONSTRUCTION COST SUBTOTAL					\$ 31,530,000
² 30% CONTINGENCY					\$ 9,459,000
³ TOTAL CONSTRUCTION COST					\$ 41,218,000
NOTES					
1. 20% has been added to account for miscellaneous items such as: ITS, SW3P; landscaping; irrigation; seeding; and aesthetics					
2. 30% contingency was also included to account for planning level of detail.					
3. Construction cost only. Right of Way and other Program costs are not included.					

WESTINGHOUSE ROAD INTERCHANGE

PROJECT: I-35 CAIP (WILLIAMSON COUNTY)

LIMITS: 1.229 MI N OF WESTINGHOUSE RD TO 0.080 MI S OF RM 1431

SPEC YEAR: 2014

UNITS: ENGLISH

HDR Engineering, Inc.

This estimate represents our engineering judgment as professionals knowledgeable with the construction of similar projects. This estimate is for planning and programming purposes only and does not guarantee that bids will not vary from it.

This estimate is based upon TxDOT Austin District and statewide average unit bid prices (2013-2014).

DESCRIPTION

Replace Westinghouse Road underpass; construct new conventional interchange; construct turnaround; improve frontage roads; reverse ramps; construct bicycle and pedestrian facilities.

I-35 CAIP					
ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
QUANTIFIED ITEMS					
100	PREP ROW	STA	\$ 2,000	157	\$ 313,000
110	EXCAVATION (ROADWAY)	CY	\$ 10.00	26,500	\$ 265,000
132	EMBANKMENT	CY	\$ 9.00	109,100	\$ 982,000
260	LIME TREATMENT	SY	\$ 3.00	70,100	\$ 211,000
260	LIME	TON	\$ 175	1,830	\$ 321,000
340	D - GR HMA (SQ) TY - A	TON	\$ 80	35,800	\$ 2,870,000
340	D - GR HMA (SQ) TY - B	TON	\$ 85	20,200	\$ 1,720,000
340	D - GR HMA (SQ) TY - C	TON	\$ 95	7,900	\$ 751,000
340	D - GR HMA (SQ) TY - C (SURF)	TON	\$ 110	16,800	\$ 1,850,000
4XX	BRIDGES (CONC)	SF	\$ 80	36,900	\$ 2,960,000
4XX	BRIDGES (STEEL)	SF	\$ 130	-	\$ -
354	PLANE ASPH CONC PAV	SY	\$ 1.80	82,000	\$ 148,000
423	RETAINING WALLS (MSE)	SF	\$ 42	13,880	\$ 583,000
432	RIPRAP (DRAINAGE CHANNEL)	CY	\$ 350	160	\$ 56,000
450	RAIL (TY SSTR)	LF	\$ 55	900	\$ 50,000
462	CONC BOX CULV	LF	\$ 600	1,440	\$ 864,000
529	CONC CURB & GUTTER (TY II)	LF	\$ 15	53,400	\$ 801,000
531	CONC SIDEWALKS (5")	SY	\$ 48	35,100	\$ 1,690,000
536	CONC MEDIAN (RAISED MEDIAN)	SY	\$ 55	170	\$ 10,000
540	MBGF	LF	\$ 20	5,500	\$ 110,000
ITEMIZED COST SUBTOTAL					\$ 16,555,000
PERCENTAGE ITEMS					
		UNIT	PERCENTAGE		COST
100	REMOVALS AND DEMOLITION	%	5.0%	-	\$ 828,000
46X	DRAINAGE	%	10.0%	-	\$ 1,660,000
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	%	8.0%	-	\$ 1,330,000
666	PAVEMENT MARKINGS	%	1.0%	-	\$ 166,000
6XX	SIGNING	%	5.0%	-	\$ 828,000
6XX	TRAFFIC SIGNALS & LIGHTING	%	5.0%	-	\$ 828,000
	UTILITIES	%	5.0%	-	\$ 828,000
PERCENTAGE BASED COST SUBTOTAL					\$ 6,468,000
MISCELLANEOUS ITEMS					
	MOBILIZATION	%	10.0%	-	\$ 2,310,000
	¹ MISCELLANEOUS	%	20.0%		\$ 4,610,000
MISCELLANEOUS COST SUBTOTAL					\$ 6,920,000
CONSTRUCTION COST SUBTOTAL					\$ 29,950,000
²30% CONTINGENCY					\$ 8,985,000
³TOTAL CONSTRUCTION COST					\$ 38,928,000
NOTES					
1. 20% has been added to account for miscellaneous items such as: ITS, SW3P; landscaping; irrigation; seeding; and aesthetics					
2. 30% contingency was also included to account for planning level of detail.					
3. Construction cost only. Right of Way and other Program costs are not included.					

SH 195 DIRECT CONNECTORS

PROJECT: I-35 CAIP (WILLIAMSON COUNTY)
LIMITS: 0.249 MI W OF BERRY CREEK DR TO 0.070 MI N OF BERRY CREEK
SPEC YEAR: 2014
UNITS: ENGLISH

HDR Engineering, Inc.

This estimate represents our engineering judgment as professionals knowledgeable with the construction of similar projects. This estimate is for planning and programming purposes only and does not guarantee that bids will not vary from it.
 This estimate is based upon TxDOT Austin District and statewide average unit bid prices (2013-2014).

DESCRIPTION

Construct Direct Connectors between I-35 and SH 195.

I-35 CAIP					
ITEMS	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	COST
QUANTIFIED ITEMS					
100	PREP ROW	STA	\$ 2,000	55	\$ 110,000
110	EXCAVATION (ROADWAY)	CY	\$ 10.00	15,500	\$ 155,000
132	EMBANKMENT	CY	\$ 9.00	63,100	\$ 568,000
260	LIME TREATMENT	SY	\$ 3.00	23,300	\$ 70,000
260	LIME	TON	\$ 175	790	\$ 139,000
340	D - GR HMA (SQ) TY - A	TON	\$ 80	15,400	\$ 1,240,000
340	D - GR HMA (SQ) TY - B	TON	\$ 85	10,300	\$ 876,000
340	D - GR HMA (SQ) TY - C	TON	\$ 95	2,600	\$ 247,000
340	D - GR HMA (SQ) TY - C (SURF)	TON	\$ 110	3,400	\$ 374,000
4XX	BRIDGES (CONC)	SF	\$ 80	-	\$ -
4XX	BRIDGES (STEEL)	SF	\$ 130	217,274	\$ 28,250,000
354	PLANE ASPH CONC PAV	SY	\$ 1.80	23,282	\$ 42,000
423	RETAINING WALLS (MSE)	SF	\$ 42	27,140	\$ 1,140,000
432	RIPRAP (DRAINAGE CHANNEL)	CY	\$ 350	-	\$ -
450	RAIL (TY SSTR)	LF	\$ 55	5,590	\$ 308,000
462	CONC BOX CULV	LF	\$ -	-	\$ -
529	CONC CURB & GUTTER (TY II)	LF	\$ 15	9,300	\$ 140,000
531	CONC SIDEWALKS (5")	SY	\$ 48	-	\$ -
536	CONC MEDIAN (RAISED MEDIAN)	SY	\$ 55	290	\$ 16,000
540	MBGF	LF	\$ 20	-	\$ -
ITEMIZED COST SUBTOTAL					\$ 33,675,000
PERCENTAGE ITEMS					
		UNIT	PERCENTAGE		COST
100	REMOVALS AND DEMOLITION	%	5.0%	-	\$ 1,690,000
46X	DRAINAGE	%	10.0%	-	\$ 3,370,000
502	BARRICADES, SIGNS AND TRAFFIC HANDLING	%	8.0%	-	\$ 2,700,000
666	PAVEMENT MARKINGS	%	1.0%	-	\$ 337,000
6XX	SIGNING	%	5.0%	-	\$ 1,690,000
6XX	TRAFFIC SIGNALS & LIGHTING	%	5.0%	-	\$ 1,690,000
	UTILITIES	%	5.0%	-	\$ 1,690,000
PERCENTAGE BASED COST SUBTOTAL					\$ 13,167,000
MISCELLANEOUS ITEMS					
		UNIT	UNIT PRICE	QUANTITY	COST
	MOBILIZATION	%	10.0%	-	\$ 4,685,000
	¹ MISCELLANEOUS	%	20.0%	-	\$ 9,369,000
MISCELLANEOUS COST SUBTOTAL					\$ 14,054,000
CONSTRUCTION COST SUBTOTAL					\$ 60,896,000
²30% CONTINGENCY					\$ 18,270,000
³TOTAL CONSTRUCTION COST					\$ 79,166,000
NOTES					
1. 20% has been added to account for miscellaneous items such as: ITS, SW3P; landscaping; irrigation; seeding; and aesthetics					
2. 30% contingency was also included to account for planning level of detail.					
3. Construction cost only. Right of Way and other Program costs are not included.					