



APPENDIX E: COST ESTIMATES

APPENDIX E: COST ESTIMATES (CENTER ALIGNMENT)

CONTROL: 0173-07-054, 0173-06-042
HIGHWAY: SH 34
COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: **SHORT-TERM: INTERSECTIONS ONLY - SIG, STR, TCP, PVMT**

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA Date: 10/18/19

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|-------------------|------|-----|--------------|-----------------------|
| - | - | | INTERSECTION | EA | 5 | \$250,000.00 | \$1,250,000.00 |
| | | | SUB-TOTAL | | | | \$1,250,000.00 |
| | | | CONTINGENCY (20%) | | | | \$250,000.00 |
| | | | TOTAL | | | | \$1,500,000.00 |

CONTROL: 0173-07-054, 0173-06-042

HIGHWAY: SH 34

COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: **MID-TERM: BRIDGES**

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA

Date: 10/18/19

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|--|------|--------|----------------|---------------------|
| BRIDGE | - | | BRIDGE (South of FM2101), 4 Bridges | SF | 129800 | \$100.00 | \$12,980,000 |
| 100 | 6002 | | PREPARING ROW | STA | 76 | \$3,000.00 | \$228,000 |
| 106 | 6001 | | OBLITERATING ABANDONED ROAD | STA | 53 | \$7,300.00 | \$386,900 |
| 110 | 6001 | | EXCAVATION (ROADWAY) | CY | 37336 | \$13.40 | \$500,302 |
| 132 | 6004 | | EMBANKMENT (FINAL)(DENS CONT)(TY B) | CY | 287852 | \$9.00 | \$2,590,667 |
| 247 | 6076 | | FL BS (CMP IN PLC)(TY D GR 4) (6") | SY | 56999 | \$9.75 | \$555,740 |
| 275 | 6000 | | CEMENT | TON | 798 | \$159.28 | \$127,105 |
| 275 | 6003 | | CEMENT TREAT (NEW BASE)(6") | SY | 56999 | \$2.24 | \$127,678 |
| 310 | 6012 | | PRIME COAT (RC-250) | GAL | 28500 | \$5.00 | \$142,498 |
| 316 | 6403 | | AGGR (TY-B GR-5 OR TY-L GR-5) | CY | 496 | \$131.25 | \$65,100 |
| 316 | 6405 | | ASPH (AC-20-5TR OR AC-20XP) | GAL | 15960 | \$4.85 | \$77,405 |
| 341 | 6022 | | D-GR HMA TY-C PG64-22 | TON | 12248 | \$79.60 | \$974,941 |
| 422 | 6015 | | APPROACH SLAB | CY | 539 | \$511.97 | \$275,952 |
| STRIPING | - | | STRIPING | LF | 7600 | \$4.00 | \$30,400 |
| | | | SIGNING | LS | 1 | \$28,000.00 | \$28,000 |
| | | | MOBILIZATION | LS | 1 | \$2,225,268.78 | \$2,225,269 |
| | | | BARRICADES, SIGNS AND TRAFFIC HANDLING | MO | 8 | \$4,000.00 | \$32,000 |
| | | | TRAFFIC CONTROL | LS | 1 | \$1,800,000.00 | \$1,800,000 |
| | | | SWPPP | LS | 1 | \$180,000.00 | \$180,000 |
| | | | DRAINAGE | LS | 1 | \$250,000.00 | \$250,000 |
| | | | AESTHETICS & LANDSCAPING | LS | 1 | \$900,000.00 | \$900,000 |
| | | | SUB-TOTAL | | | | \$24,477,957 |
| | | | CONTINGENCY (20%) | | | | \$4,895,591 |
| | | | TOTAL | | | | \$29,373,548 |
| BRIDGE | - | | BRIDGE (South of Quinlan), 2 Bridges | SF | 101200 | \$100.00 | \$10,120,000 |

CONTROL: 0173-07-054, 0173-06-042

HIGHWAY: SH 34

COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: **MID-TERM: BRIDGES**

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA

Date: 10/18/19

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|--|------|--------|----------------|---------------------|
| 100 | 6002 | | PREPARING ROW | STA | 69 | \$3,002.95 | \$207,204 |
| 110 | 6001 | | EXCAVATION (ROADWAY) | CY | 35490 | \$13.40 | \$475,566 |
| 132 | 6004 | | EMBANKMENT (FINAL)(DENS CONT)(TY B) | CY | 247037 | \$9.00 | \$2,223,333 |
| 247 | 6076 | | FL BS (CMP IN PLC)(TY D GR 4) (6") | SY | 54180 | \$9.75 | \$528,255 |
| 275 | 6000 | | CEMENT | TON | 759 | \$159.28 | \$120,894 |
| 275 | 6003 | | CEMENT TREAT (NEW BASE)(6") | SY | 54180 | \$2.24 | \$121,363 |
| 310 | 6012 | | PRIME COAT (RC-250) | GAL | 27090 | \$5.00 | \$135,450 |
| 316 | 6403 | | AGGR (TY-B GR-5 OR TY-L GR-5) | CY | 471 | \$131.25 | \$61,819 |
| 316 | 6405 | | ASPH (AC-20-5TR OR AC-20XP) | GAL | 15170 | \$4.85 | \$73,576 |
| 341 | 6022 | | D-GR HMA TY-C PG64-22 | TON | 11642 | \$79.60 | \$926,703 |
| 422 | 6015 | | APPROACH SLAB | CY | 270 | \$511.97 | \$138,232 |
| STRIPING | - | | STRIPING | LF | 6900 | \$4.00 | \$27,600 |
| | | | SIGNING | LS | 1 | \$25,000.00 | \$25,000 |
| | | | MOBILIZATION | LS | 1 | \$1,833,899.45 | \$1,833,899 |
| | | | BARRICADES, SIGNS AND TRAFFIC HANDLING | MO | 8 | \$3,000.00 | \$24,000 |
| | | | TRAFFIC CONTROL | LS | 1 | \$1,800,000.00 | \$1,800,000 |
| | | | SWPPP | LS | 1 | \$180,000.00 | \$180,000 |
| | | | DRAINAGE | LS | 1 | \$250,000.00 | \$250,000 |
| | | | AESTHETICS & LANDSCAPING | LS | 1 | \$900,000.00 | \$900,000 |
| | | | | | | | |
| | | | SUB-TOTAL | | | | \$20,172,893 |
| | | | CONTINGENCY (20%) | | | | \$4,034,579 |
| | | | TOTAL | | | | \$24,207,472 |
| | | | TOTAL (ALL BRIDGES) | | | | \$53,581,020 |

CONTROL: 0173-07-054, 0173-06-042

HIGHWAY: SH 34

COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: **LONG-TERM:** MOB, SIG, STR, TCP, PVMT, DRN

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA

Date: 10/18/19

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|--|------|--------|----------------|--------------|
| 100 | 6002 | | PREPARING ROW | STA | 1014 | \$3,000.00 | \$3,041,212 |
| 106 | 6002 | | OBLITERATING ABANDONED ROAD - REMOVE | STA | 0 | \$1,650.00 | \$0 |
| 110 | 6001 | | EXCAVATION (ROADWAY) | CY | 539852 | \$13.40 | \$7,234,017 |
| 112 | 6001 | | SUBGRADE WIDENING (ORD COMP) | STA | 869 | \$420.00 | \$364,980 |
| 132 | 6004 | | EMBANKMENT (FINAL)(DENS CONT)(TY B) | CY | 582562 | \$9.00 | \$5,243,060 |
| 247 | 6076 | | FL BS (CMP IN PLC)(TY D GR 4) (6") | SY | 822278 | \$9.75 | \$8,017,211 |
| 275 | 6000 | | CEMENT | TON | 11512 | \$159.30 | \$1,833,862 |
| 275 | 6003 | | CEMENT TREAT (NEW BASE)(6") | SY | 822278 | \$2.25 | \$1,850,126 |
| 310 | 6012 | | PRIME COAT (RC-250) | GAL | 411139 | \$6.15 | \$2,528,505 |
| 316 | 6403 | | AGGR (TY-B GR-5 OR TY-L GR-5) | CY | 7151 | \$131.25 | \$938,569 |
| 316 | 6405 | | ASPH (AC-20-5TR OR AC-20XP) | GAL | 230238 | \$4.85 | \$1,116,654 |
| 341 | 6022 | | D-GR HMA TY-C PG64-22 | TON | 176654 | \$79.60 | \$14,061,658 |
| 500 | 6001 | | MOBILIZATION | LS | 1 | \$5,787,953.90 | \$5,787,954 |
| 502 | 6001 | | BARRICADES, SIGNS AND TRAFFIC HANDLING | MO | 120 | \$4,000.00 | \$394,190 |
| 506 | - | | TRAFFIC CONTROL | LS | 1 | \$4,000,000.00 | \$4,000,000 |
| 506 | - | | SWPPP | LS | 1 | \$400,000.00 | \$400,000 |
| DRAINAGE | - | | DRAINAGE | LS | 1 | \$1,750,000.00 | \$1,750,000 |
| SIGNING | - | | SIGNING | LS | 1 | \$650,000.00 | \$650,000 |
| STRIPING | - | | STRIPING | LF | 101374 | \$4.00 | \$405,495 |
| A & L | - | | AESTHETICS & LANDSCAPING | LS | 1 | \$2,000,000.00 | \$2,000,000 |
| INTSECT | | | INTERSECTION (PEDESTRIAN) | EA | 10 | \$80,000.00 | \$800,000 |
| SIGNALS | - | | SIGNALS (not done in SHORT-TERM) | EA | 5 | \$250,000.00 | \$1,250,000 |
| SIGNALS | - | | SIGNALS (See SHORT-TERM) | LS | 0 | \$0.00 | \$0 |
| BRIDGE | - | | BRIDGE (See MID-TERM) | SF | 0 | \$0.00 | \$0 |
| | | | SUB-TOTAL | | | | \$63,667,493 |
| | | | CONTINGENCY (20%) | | | | \$12,733,499 |
| | | | TOTAL | | | | \$76,400,992 |

CONTROL: 0173-07-054, 0173-06-042
HIGHWAY: SH 34
COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: Right of Way & Utility Relocation

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA Date: 10/18/19

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|------------------------------|------|---------|----------------|--------------|
| - | - | | COMMERCIAL LAND ROW PURCHASE | SF | 1871822 | \$7.00 | \$13,102,754 |
| - | - | | NON-COMMERCIAL ROW PURCHASE | AC | 101 | \$17,500.00 | \$1,774,520 |
| UTILITY | - | | UTILITY RELOCATION | LS | 1.00 | \$2,000,000.00 | \$2,000,000 |
| | | | SUB-TOTAL | | | | \$16,877,274 |
| | | | CONTINGENCY | | | | |
| | | | TOTAL | | | | \$16,877,274 |

APPENDIX E: COST ESTIMATES (EAST ALIGNMENT)

CONTROL: 0173-07-054, 0173-06-042
HIGHWAY: SH 34
COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: **SHORT-TERM: INTERSECTIONS ONLY - SIG, STR, TCP, PVMT**

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|-------------------|------|-----|--------------|----------------|
| - | - | | INTERSECTION | EA | 5 | \$250,000.00 | \$1,250,000.00 |
| | | | SUB-TOTAL | | | | \$1,250,000.00 |
| | | | CONTINGENCY (20%) | | | | \$250,000.00 |
| | | | TOTAL | | | | \$1,500,000.00 |

CONTROL: 0173-07-054, 0173-06-042

HIGHWAY: SH 34

COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: **MID-TERM: BRIDGES**

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA

Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|--|------|--------|----------------|---------------------|
| BRIDGE | - | | BRIDGE (South of FM2101), 4 Bridges | SF | 129800 | \$100.00 | \$12,980,000 |
| 100 | 6002 | | PREPARING ROW | STA | 76 | \$3,000.00 | \$228,000 |
| 106 | 6001 | | OBLITERATING ABANDONED ROAD | STA | 53 | \$7,300.00 | \$386,900 |
| 110 | 6001 | | EXCAVATION (ROADWAY) | CY | 37336 | \$13.40 | \$500,302 |
| 132 | 6004 | | EMBANKMENT (FINAL)(DENS CONT)(TY B) | CY | 287852 | \$9.00 | \$2,590,667 |
| 247 | 6076 | | FL BS (CMP IN PLC)(TY D GR 4) (6") | SY | 56999 | \$9.75 | \$555,740 |
| 275 | 6000 | | CEMENT | TON | 798 | \$159.28 | \$127,105 |
| 275 | 6003 | | CEMENT TREAT (NEW BASE)(6") | SY | 56999 | \$2.24 | \$127,678 |
| 310 | 6012 | | PRIME COAT (RC-250) | GAL | 28500 | \$5.00 | \$142,498 |
| 316 | 6403 | | AGGR (TY-B GR-5 OR TY-L GR-5) | CY | 496 | \$131.25 | \$65,100 |
| 316 | 6405 | | ASPH (AC-20-5TR OR AC-20XP) | GAL | 15960 | \$4.85 | \$77,405 |
| 341 | 6022 | | D-GR HMA TY-C PG64-22 | TON | 12248 | \$79.60 | \$974,941 |
| 422 | 6015 | | APPROACH SLAB | CY | 539 | \$511.97 | \$275,952 |
| STRIPING | - | | STRIPING | LF | 7600 | \$4.00 | \$30,400 |
| | | | SIGNING | LS | 1 | \$28,000.00 | \$28,000 |
| | | | MOBILIZATION | LS | 1 | \$2,225,268.78 | \$2,225,269 |
| | | | BARRICADES, SIGNS AND TRAFFIC HANDLING | MO | 8 | \$4,000.00 | \$32,000 |
| | | | TRAFFIC CONTROL | LS | 1 | \$1,800,000.00 | \$1,800,000 |
| | | | SWPPP | LS | 1 | \$180,000.00 | \$180,000 |
| | | | DRAINAGE | LS | 1 | \$250,000.00 | \$250,000 |
| | | | AESTHETICS & LANDSCAPING | LS | 1 | \$900,000.00 | \$900,000 |
| | | | | | | | |
| | | | SUB-TOTAL | | | | \$24,477,957 |
| | | | CONTINGENCY (20%) | | | | \$4,895,591 |
| | | | TOTAL | | | | \$29,373,548 |

| | | | | | | | |
|----------|------|--|--|-----|--------|----------------|---------------------|
| BRIDGE | - | | BRIDGE (South of Quinlan), 2 Bridges | SF | 101200 | \$100.00 | \$10,120,000 |
| 100 | 6002 | | PREPARING ROW | STA | 69 | \$3,002.95 | \$207,204 |
| 110 | 6001 | | EXCAVATION (ROADWAY) | CY | 35490 | \$13.40 | \$475,566 |
| 132 | 6004 | | EMBANKMENT (FINAL)(DENS CONT)(TY B) | CY | 247037 | \$9.00 | \$2,223,333 |
| 247 | 6076 | | FL BS (CMP IN PLC)(TY D GR 4) (6") | SY | 54180 | \$9.75 | \$528,255 |
| 275 | 6000 | | CEMENT | TON | 759 | \$159.28 | \$120,894 |
| 275 | 6003 | | CEMENT TREAT (NEW BASE)(6") | SY | 54180 | \$2.24 | \$121,363 |
| 310 | 6012 | | PRIME COAT (RC-250) | GAL | 27090 | \$5.00 | \$135,450 |
| 316 | 6403 | | AGGR (TY-B GR-5 OR TY-L GR-5) | CY | 471 | \$131.25 | \$61,819 |
| 316 | 6405 | | ASPH (AC-20-5TR OR AC-20XP) | GAL | 15170 | \$4.85 | \$73,576 |
| 341 | 6022 | | D-GR HMA TY-C PG64-22 | TON | 11642 | \$79.60 | \$926,703 |
| 422 | 6015 | | APPROACH SLAB | CY | 270 | \$511.97 | \$138,232 |
| STRIPING | - | | STRIPING | LF | 6900 | \$4.00 | \$27,600 |
| | | | SIGNING | LS | 1 | \$25,000.00 | \$25,000 |
| | | | MOBILIZATION | LS | 1 | \$1,833,899.45 | \$1,833,899 |
| | | | BARRICADES, SIGNS AND TRAFFIC HANDLING | MO | 8 | \$3,000.00 | \$24,000 |
| | | | TRAFFIC CONTROL | LS | 1 | \$1,800,000.00 | \$1,800,000 |
| | | | SWPPP | LS | 1 | \$180,000.00 | \$180,000 |
| | | | DRAINAGE | LS | 1 | \$250,000.00 | \$250,000 |
| | | | AESTHETICS & LANDSCAPING | LS | 1 | \$900,000.00 | \$900,000 |
| | | | | | | | |
| | | | SUB-TOTAL | | | | \$20,172,893 |
| | | | CONTINGENCY (20%) | | | | \$4,034,579 |
| | | | TOTAL | | | | \$24,207,472 |
| | | | TOTAL (ALL BRIDGES) | | | | \$53,581,020 |

CONTROL: 0173-07-054, 0173-06-042

HIGHWAY: SH 34

COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: **LONG-TERM:** MOB, SIG, STR, TCP, PVMT, DRN

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA

Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|--|------|--------|----------------|--------------|
| 100 | 6002 | | PREPARING ROW | STA | 1014 | \$3,000.00 | \$3,041,212 |
| 106 | 6002 | | OBLITERATING ABANDONED ROAD - REMOVE | STA | 0 | \$1,650.00 | \$0 |
| 110 | 6001 | | EXCAVATION (ROADWAY) | CY | 539852 | \$13.40 | \$7,234,017 |
| 112 | 6001 | | SUBGRADE WIDENING (ORD COMP) | STA | 869 | \$420.00 | \$364,980 |
| 132 | 6004 | | EMBANKMENT (FINAL)(DENS CONT)(TY B) | CY | 582562 | \$9.00 | \$5,243,060 |
| 247 | 6076 | | FL BS (CMP IN PLC)(TY D GR 4) (6") | SY | 822278 | \$9.75 | \$8,017,211 |
| 275 | 6000 | | CEMENT | TON | 11512 | \$159.30 | \$1,833,862 |
| 275 | 6003 | | CEMENT TREAT (NEW BASE)(6") | SY | 822278 | \$2.25 | \$1,850,126 |
| 310 | 6012 | | PRIME COAT (RC-250) | GAL | 411139 | \$6.15 | \$2,528,505 |
| 316 | 6403 | | AGGR (TY-B GR-5 OR TY-L GR-5) | CY | 7151 | \$131.25 | \$938,569 |
| 316 | 6405 | | ASPH (AC-20-5TR OR AC-20XP) | GAL | 230238 | \$4.85 | \$1,116,654 |
| 341 | 6022 | | D-GR HMA TY-C PG64-22 | TON | 176654 | \$79.60 | \$14,061,658 |
| 500 | 6001 | | MOBILIZATION | LS | 1 | \$5,787,953.90 | \$5,787,954 |
| 502 | 6001 | | BARRICADES, SIGNS AND TRAFFIC HANDLING | MO | 120 | \$4,000.00 | \$394,190 |
| 506 | - | | TRAFFIC CONTROL | LS | 1 | \$4,000,000.00 | \$4,000,000 |
| 506 | - | | SWPPP | LS | 1 | \$400,000.00 | \$400,000 |
| DRAINAGE | - | | DRAINAGE | LS | 1 | \$1,750,000.00 | \$1,750,000 |
| SIGNING | - | | SIGNING | LS | 1 | \$650,000.00 | \$650,000 |
| STRIPING | - | | STRIPING | LF | 101374 | \$4.00 | \$405,495 |
| A & L | - | | AESTHETICS & LANDSCAPING | LS | 1 | \$2,000,000.00 | \$2,000,000 |
| INTSECT | | | INTERSECTION (PEDESTRIAN) | EA | 10 | \$80,000.00 | \$800,000 |
| SIGNALS | - | | SIGNALS (not done in SHORT-TERM) | EA | 5 | \$250,000.00 | \$1,250,000 |
| SIGNALS | - | | SIGNALS (See SHORT-TERM) | LS | 0 | \$0.00 | \$0 |
| BRIDGE | - | | BRIDGE (See MID-TERM) | SF | 0 | \$0.00 | \$0 |
| | | | SUB-TOTAL | | | | \$63,667,493 |
| | | | CONTINGENCY (20%) | | | | \$12,733,499 |
| | | | TOTAL | | | | \$76,400,992 |

CONTROL: 0173-07-054, 0173-06-042
HIGHWAY: SH 34
COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: Right of Way & Utility Relocation

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA

Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|------------------------------|------|--------|----------------|--------------------|
| - | - | | COMMERCIAL LAND ROW PURCHASE | SF | 438649 | \$7.00 | \$3,070,544 |
| - | - | | NON-COMMERCIAL ROW PURCHASE | AC | 60 | \$17,500.00 | \$1,050,000 |
| UTILITY | - | | UTILITY RELOCATION | LS | 1.00 | \$4,000,000.00 | \$4,000,000 |
| | | | SUB-TOTAL | | | | \$8,120,544 |
| | | | CONTINGENCY | | | | |
| | | | TOTAL | | | | \$8,120,544 |
| | | | | | | | |

APPENDIX E: COST ESTIMATES (WEST ALIGNMENT)

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: **SHORT-TERM: INTERSECTIONS ONLY - SIG, STR, TCP, PVMT**

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA

Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|-------------------|------|-----|--------------|----------------|
| - | - | | INTERSECTION | EA | 5 | \$250,000.00 | \$1,250,000.00 |
| | | | SUB-TOTAL | | | | \$1,250,000.00 |
| | | | CONTINGENCY (20%) | | | | \$250,000.00 |
| | | | TOTAL | | | | \$1,500,000.00 |

CONTROL: 0173-07-054, 0173-06-042

HIGHWAY: SH 34

COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: **MID-TERM: BRIDGES**

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA

Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|--|------|--------|----------------|---------------------|
| BRIDGE | - | | BRIDGE (South of FM2101), 4 Bridges | SF | 129800 | \$100.00 | \$12,980,000 |
| 100 | 6002 | | PREPARING ROW | STA | 76 | \$3,000.00 | \$228,000 |
| 106 | 6001 | | OBLITERATING ABANDONED ROAD | STA | 53 | \$7,300.00 | \$386,900 |
| 110 | 6001 | | EXCAVATION (ROADWAY) | CY | 37336 | \$13.40 | \$500,302 |
| 132 | 6004 | | EMBANKMENT (FINAL)(DENS CONT)(TY B) | CY | 287852 | \$9.00 | \$2,590,667 |
| 247 | 6076 | | FL BS (CMP IN PLC)(TY D GR 4) (6") | SY | 56999 | \$9.75 | \$555,740 |
| 275 | 6000 | | CEMENT | TON | 798 | \$159.28 | \$127,105 |
| 275 | 6003 | | CEMENT TREAT (NEW BASE)(6") | SY | 56999 | \$2.24 | \$127,678 |
| 310 | 6012 | | PRIME COAT (RC-250) | GAL | 28500 | \$5.00 | \$142,498 |
| 316 | 6403 | | AGGR (TY-B GR-5 OR TY-L GR-5) | CY | 496 | \$131.25 | \$65,100 |
| 316 | 6405 | | ASPH (AC-20-5TR OR AC-20XP) | GAL | 15960 | \$4.85 | \$77,405 |
| 341 | 6022 | | D-GR HMA TY-C PG64-22 | TON | 12248 | \$79.60 | \$974,941 |
| 422 | 6015 | | APPROACH SLAB | CY | 539 | \$511.97 | \$275,952 |
| STRIPING | - | | STRIPING | LF | 7600 | \$4.00 | \$30,400 |
| | | | SIGNING | LS | 1 | \$28,000.00 | \$28,000 |
| | | | MOBILIZATION | LS | 1 | \$2,225,268.78 | \$2,225,269 |
| | | | BARRICADES, SIGNS AND TRAFFIC HANDLING | MO | 8 | \$4,000.00 | \$32,000 |
| | | | TRAFFIC CONTROL | LS | 1 | \$1,800,000.00 | \$1,800,000 |
| | | | SWPPP | LS | 1 | \$180,000.00 | \$180,000 |
| | | | DRAINAGE | LS | 1 | \$250,000.00 | \$250,000 |
| | | | AESTHETICS & LANDSCAPING | LS | 1 | \$900,000.00 | \$900,000 |
| | | | | | | | |
| | | | SUB-TOTAL | | | | \$24,477,957 |
| | | | CONTINGENCY (20%) | | | | \$4,895,591 |
| | | | TOTAL | | | | \$29,373,548 |

| | | | | | | | |
|----------|------|--|--|-----|--------|----------------|---------------------|
| BRIDGE | - | | BRIDGE (South of Quinlan), 2 Bridges | SF | 101200 | \$100.00 | \$10,120,000 |
| 100 | 6002 | | PREPARING ROW | STA | 69 | \$3,002.95 | \$207,204 |
| 110 | 6001 | | EXCAVATION (ROADWAY) | CY | 35490 | \$13.40 | \$475,566 |
| 132 | 6004 | | EMBANKMENT (FINAL)(DENS CONT)(TY B) | CY | 247037 | \$9.00 | \$2,223,333 |
| 247 | 6076 | | FL BS (CMP IN PLC)(TY D GR 4) (6") | SY | 54180 | \$9.75 | \$528,255 |
| 275 | 6000 | | CEMENT | TON | 759 | \$159.28 | \$120,894 |
| 275 | 6003 | | CEMENT TREAT (NEW BASE)(6") | SY | 54180 | \$2.24 | \$121,363 |
| 310 | 6012 | | PRIME COAT (RC-250) | GAL | 27090 | \$5.00 | \$135,450 |
| 316 | 6403 | | AGGR (TY-B GR-5 OR TY-L GR-5) | CY | 471 | \$131.25 | \$61,819 |
| 316 | 6405 | | ASPH (AC-20-5TR OR AC-20XP) | GAL | 15170 | \$4.85 | \$73,576 |
| 341 | 6022 | | D-GR HMA TY-C PG64-22 | TON | 11642 | \$79.60 | \$926,703 |
| 422 | 6015 | | APPROACH SLAB | CY | 270 | \$511.97 | \$138,232 |
| STRIPING | - | | STRIPING | LF | 6900 | \$4.00 | \$27,600 |
| | | | SIGNING | LS | 1 | \$25,000.00 | \$25,000 |
| | | | MOBILIZATION | LS | 1 | \$1,833,899.45 | \$1,833,899 |
| | | | BARRICADES, SIGNS AND TRAFFIC HANDLING | MO | 8 | \$3,000.00 | \$24,000 |
| | | | TRAFFIC CONTROL | LS | 1 | \$1,800,000.00 | \$1,800,000 |
| | | | SWPPP | LS | 1 | \$180,000.00 | \$180,000 |
| | | | DRAINAGE | LS | 1 | \$250,000.00 | \$250,000 |
| | | | AESTHETICS & LANDSCAPING | LS | 1 | \$900,000.00 | \$900,000 |
| | | | | | | | |
| | | | SUB-TOTAL | | | | \$20,172,893 |
| | | | CONTINGENCY (20%) | | | | \$4,034,579 |
| | | | TOTAL | | | | \$24,207,472 |
| | | | TOTAL (ALL BRIDGES) | | | | \$53,581,020 |

CONTROL: 0173-07-054, 0173-06-042

HIGHWAY: SH 34

COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: **LONG-TERM:** MOB, SIG, STR, TCP, PVMT, DRN

LENGTH: FEET 100320

MILES = 19.00

LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA

Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|--|------|--------|----------------|--------------|
| 100 | 6002 | | PREPARING ROW | STA | 1014 | \$3,000.00 | \$3,041,212 |
| 106 | 6002 | | OBLITERATING ABANDONED ROAD - REMOVE | STA | 0 | \$1,650.00 | \$0 |
| 110 | 6001 | | EXCAVATION (ROADWAY) | CY | 539852 | \$13.40 | \$7,234,017 |
| 112 | 6001 | | SUBGRADE WIDENING (ORD COMP) | STA | 869 | \$420.00 | \$364,980 |
| 132 | 6004 | | EMBANKMENT (FINAL)(DENS CONT)(TY B) | CY | 582562 | \$9.00 | \$5,243,060 |
| 247 | 6076 | | FL BS (CMP IN PLC)(TY D GR 4) (6") | SY | 822278 | \$9.75 | \$8,017,211 |
| 275 | 6000 | | CEMENT | TON | 11512 | \$159.30 | \$1,833,862 |
| 275 | 6003 | | CEMENT TREAT (NEW BASE)(6") | SY | 822278 | \$2.25 | \$1,850,126 |
| 310 | 6012 | | PRIME COAT (RC-250) | GAL | 411139 | \$6.15 | \$2,528,505 |
| 316 | 6403 | | AGGR (TY-B GR-5 OR TY-L GR-5) | CY | 7151 | \$131.25 | \$938,569 |
| 316 | 6405 | | ASPH (AC-20-5TR OR AC-20XP) | GAL | 230238 | \$4.85 | \$1,116,654 |
| 341 | 6022 | | D-GR HMA TY-C PG64-22 | TON | 176654 | \$79.60 | \$14,061,658 |
| 500 | 6001 | | MOBILIZATION | LS | 1 | \$5,787,953.90 | \$5,787,954 |
| 502 | 6001 | | BARRICADES, SIGNS AND TRAFFIC HANDLING | MO | 120 | \$4,000.00 | \$394,190 |
| 506 | - | | TRAFFIC CONTROL | LS | 1 | \$4,000,000.00 | \$4,000,000 |
| 506 | - | | SWPPP | LS | 1 | \$400,000.00 | \$400,000 |
| DRAINAGE | - | | DRAINAGE | LS | 1 | \$1,750,000.00 | \$1,750,000 |
| SIGNING | - | | SIGNING | LS | 1 | \$650,000.00 | \$650,000 |
| STRIPING | - | | STRIPING | LF | 101374 | \$4.00 | \$405,495 |
| A & L | - | | AESTHETICS & LANDSCAPING | LS | 1 | \$2,000,000.00 | \$2,000,000 |
| INTSECT | | | INTERSECTION (PEDESTRIAN) | EA | 10 | \$80,000.00 | \$800,000 |
| SIGNALS | - | | SIGNALS (not done in SHORT-TERM) | EA | 5 | \$250,000.00 | \$1,250,000 |
| SIGNALS | - | | SIGNALS (See SHORT-TERM) | LS | 0 | \$0.00 | \$0 |
| BRIDGE | - | | BRIDGE (See MID-TERM) | SF | 0 | \$0.00 | \$0 |
| | | | SUB-TOTAL | | | | \$63,667,493 |
| | | | CONTINGENCY (20%) | | | | \$12,733,499 |
| | | | TOTAL | | | | \$76,400,992 |

CONTROL: 0173-07-054, 0173-06-042
HIGHWAY: SH 34
COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: Right of Way & Utility Relocation

LENGTH: FEET 100320
MILES = 19.00
LIMITS: IH 30 TO 1600FT S. OF CR 2312

PREPARED BY: GUNDA

Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|------------------------------|------|--------|----------------|--------------------|
| - | - | | COMMERCIAL LAND ROW PURCHASE | SF | 500940 | \$7.00 | \$3,506,580 |
| - | - | | NON-COMMERCIAL ROW PURCHASE | AC | 60 | \$17,500.00 | \$1,050,000 |
| UTILITY | - | | UTILITY RELOCATION | LS | 1.00 | \$4,000,000.00 | \$4,000,000 |
| | | | SUB-TOTAL | | | | \$8,556,580 |
| | | | CONTINGENCY | | | | |
| | | | TOTAL | | | | \$8,556,580 |

APPENDIX E: COST ESTIMATES (BOLES HOME ALTERNATIVES)

CONTROL: 0173-07-054, 0173-06-042

HIGHWAY: SH 34

COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: Boles Home Supplemental Option 1

LENGTH: FEET 2230

MILES = 0.42

LIMITS: _____

PREPARED BY: GUNDA

Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|--|------|-------|--------------|--------------------|
| BRIDGE | - | | BRIDGE, 1 Bridges | SF | 38915 | \$100.00 | \$3,891,540 |
| 100 | 6002 | | PREPARING ROW | STA | 22 | \$3,000.00 | \$66,900 |
| 106 | 6001 | | OBLITERATING ABANDONED ROAD | STA | 22 | \$7,300.00 | \$162,790 |
| 110 | 6001 | | EXCAVATION (ROADWAY) | CY | 1652 | \$13.40 | \$22,135 |
| 132 | 6004 | | EMBANKMENT (FINAL)(DENS CONT)(TY B) | CY | 96667 | \$9.00 | \$870,000 |
| 247 | 6076 | | FL BS (CMP IN PLC)(TY D GR 4) (6") | SY | 15468 | \$9.75 | \$150,811 |
| 275 | 6000 | | CEMENT | TON | 157 | \$159.28 | \$24,945 |
| 275 | 6003 | | CEMENT TREAT (NEW BASE)(6") | SY | 15468 | \$2.24 | \$34,648 |
| 310 | 6012 | | PRIME COAT (RC-250) | GAL | 7734 | \$5.00 | \$38,670 |
| 316 | 6403 | | AGGR (TY-B GR-5 OR TY-L GR-5) | CY | 1719 | \$131.25 | \$225,573 |
| 316 | 6405 | | ASPH (AC-20-5TR OR AC-20XP) | GAL | 4331 | \$4.85 | \$21,005 |
| 341 | 6022 | | D-GR HMA TY-C PG64-22 | TON | 851 | \$79.60 | \$67,718 |
| 422 | 6015 | | APPROACH SLAB | CY | 90 | \$511.97 | \$46,014 |
| STRIPING | - | | STRIPING | LF | 2230 | \$4.00 | \$8,920 |
| | | | SIGNING | LS | 1 | \$9,000.00 | \$9,000 |
| | | | MOBILIZATION | LS | 1 | \$669,666.91 | \$669,667 |
| | | | BARRICADES, SIGNS AND TRAFFIC HANDLING | MO | 4 | \$4,000.00 | \$16,000 |
| | | | TRAFFIC CONTROL | LS | 1 | \$600,000.00 | \$600,000 |
| | | | SWPPP | LS | 1 | \$60,000.00 | \$60,000 |
| | | | DRAINAGE | LS | 1 | \$80,000.00 | \$80,000 |
| | | | AESTHETICS & LANDSCAPING | LS | 1 | \$300,000.00 | \$300,000 |
| | | | | | | | |
| | | | SUB-TOTAL | | | | \$7,366,336 |
| | | | CONTINGENCY (20%) | | | | \$1,473,267 |
| | | | TOTAL | | | | \$8,839,603 |

CONTROL: 0173-07-054, 0173-06-042
HIGHWAY: SH 34
COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: Right of Way & Utility Relocation - Boles Home Supplemental Option 1

LENGTH: FEET 2230
MILES = 0.42

LIMITS: _____

PREPARED BY: GUNDA

Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|------------------------------|------|------|--------------|------------------|
| - | - | | COMMERCIAL LAND ROW PURCHASE | SF | 0 | \$7.00 | \$0 |
| - | - | | NON-COMMERCIAL ROW PURCHASE | AC | 2.2 | \$17,500.00 | \$38,500 |
| UTILITY | - | | UTILITY RELOCATION | LS | 1.00 | \$100,000.00 | \$100,000 |
| | | | SUB-TOTAL | | | | \$138,500 |
| | | | CONTINGENCY (20%) | | | | \$ 27,700.00 |
| | | | TOTAL | | | | \$166,200 |

CONTROL: 0173-07-054, 0173-06-042

HIGHWAY: SH 34

COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: Boles Home Supplemental Option 2

LENGTH: FEET 5500

MILES = 1.04

LIMITS: _____

PREPARED BY: GUNDA

Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|--|------|-------|----------------|---------------------|
| BRIDGE | - | | BRIDGE, 2 Bridges | SF | 71162 | \$100.00 | \$7,116,160 |
| 100 | 6002 | | PREPARING ROW | STA | 55 | \$3,000.00 | \$165,000 |
| 106 | 6001 | | OBLITERATING ABANDONED ROAD | STA | 55 | \$7,300.00 | \$401,500 |
| 110 | 6001 | | EXCAVATION (ROADWAY) | CY | 4074 | \$13.40 | \$54,593 |
| 132 | 6004 | | EMBANKMENT (FINAL)(DENS CONT)(TY B) | CY | 96667 | \$9.00 | \$870,000 |
| 247 | 6076 | | FL BS (CMP IN PLC)(TY D GR 4) (6") | SY | 41952 | \$9.75 | \$409,027 |
| 275 | 6000 | | CEMENT | TON | 425 | \$159.28 | \$67,656 |
| 275 | 6003 | | CEMENT TREAT (NEW BASE)(6") | SY | 41952 | \$2.24 | \$93,971 |
| 310 | 6012 | | PRIME COAT (RC-250) | GAL | 20976 | \$5.00 | \$104,879 |
| 316 | 6403 | | AGGR (TY-B GR-5 OR TY-L GR-5) | CY | 4661 | \$131.25 | \$611,793 |
| 316 | 6405 | | ASPH (AC-20-5TR OR AC-20XP) | GAL | 11746 | \$4.85 | \$56,970 |
| 341 | 6022 | | D-GR HMA TY-C PG64-22 | TON | 2307 | \$79.60 | \$183,664 |
| 422 | 6015 | | APPROACH SLAB | CY | 180 | \$511.97 | \$92,028 |
| STRIPING | - | | STRIPING | LF | 5500 | \$4.00 | \$22,000 |
| | | | SIGNING | LS | 1 | \$9,000.00 | \$9,000 |
| | | | MOBILIZATION | LS | 1 | \$1,131,424.12 | \$1,131,424 |
| | | | BARRICADES, SIGNS AND TRAFFIC HANDLING | MO | 4 | \$4,000.00 | \$16,000 |
| | | | TRAFFIC CONTROL | LS | 1 | \$600,000.00 | \$600,000 |
| | | | SWPPP | LS | 1 | \$60,000.00 | \$60,000 |
| | | | DRAINAGE | LS | 1 | \$80,000.00 | \$80,000 |
| | | | AESTHETICS & LANDSCAPING | LS | 1 | \$300,000.00 | \$300,000 |
| | | | | | | | |
| | | | SUB-TOTAL | | | | \$12,445,665 |
| | | | CONTINGENCY (20%) | | | | \$2,489,133 |
| | | | TOTAL | | | | \$14,934,798 |

CONTROL: 0173-07-054, 0173-06-042
HIGHWAY: SH 34
COUNTY: HUNT

**PRELIMINARY ESTIMATE
TEXAS DEPARTMENT OF TRANSPORTATION**

TYPE: Right of Way & Utility Relocation - Boles Home Supplemental Option 2

LENGTH: FEET 5500
MILES = 1.04

LIMITS: _____

PREPARED BY: GUNDA

Date: 08/26/20

| ITEM NO. | DESC NO. | SPEC NO. | DESCRIPTION | UNIT | QTY | PRICE | AMOUNT |
|----------|----------|----------|------------------------------|------|------|--------------|------------------|
| - | - | | COMMERCIAL LAND ROW PURCHASE | SF | 0 | \$7.00 | \$0 |
| - | - | | NON-COMMERCIAL ROW PURCHASE | AC | 10.3 | \$17,500.00 | \$180,250 |
| UTILITY | - | | UTILITY RELOCATION | LS | 1.00 | \$200,000.00 | \$200,000 |
| | | | SUB-TOTAL | | | | \$380,250 |
| | | | CONTINGENCY (20%) | | | | \$ 76,050.00 |
| | | | TOTAL | | | | \$456,300 |