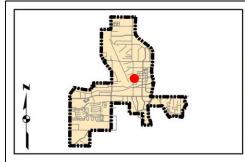
Kimley-Horn and Associates, Inc. Project Description for Unsignalized Intersection Priority: 2

Client: Town of Addison Date: 1/2/18 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP KHA No.: 063543021 Checked By: EPE

Corridor : Project Name: GPS ID: 90063 Addison Cir Intersection of Addison Cir and driveway (Lat. 32.9614; Long. -96.8292) Town: Addison

| TxDOT 5003-6002         RETROFIT DET WARN SURF (CAST IN PLACE)         0         SF         \$ 50.00         \$ -           TxDOT 104-6015         REMOVING CONC (SIDEWALKS)         19         SY         \$ 9.00         \$ 171.0           TxDOT 677         ELIM EXT PAVE MRK & MRKS         0         LF         \$ 2.80         \$ -           TxDOT 666/678         REFL PAV MRK PREP, TY I & TY II (W) 24"(SLD)         0         LF         \$ 8.50         \$ -            REPAVE ROADWAY         0         LS         \$ 5,000.00         \$ -            FIX PONDING         1         LS         \$ 2,000.00         \$ 2,000.00            FIX CURB RAMP TRANSITION         2         LS         \$ 2,000.00         \$ 4,000.0            MEDIAN NOSE MODIFICATION         0         LS         \$ 5,000.00         \$ -            REMOVE TEMPORARY OBSTRUCTION         0         LS         \$ 5,000.00         \$ -            FIX CURB RAMP COUNTER SLOPE         0         LS         \$ 2,000.00         \$ -           Basis for Cost Projection         Engineering: (% +/-)         20% \$ 1,914.5         \$ 1,914.5            Preliminary Design         Engineering: (% +/-)         20% \$ 1,   | Item No.             | Item Description                             | Quantity | Unit | Unit        | Price         | Item Cost    |
|--|----------------------|--|----------|------|-------------|---------------|--------------|
| TXDOT 531-6001         CONC SIDEWALKS (4')         0         SY         \$ 45.00         \$           TXDOT 531         CURB RAMPS         2         EA         \$ 1,500.00         \$ 3,000.0           TXDOT 5003-6002         RETROFIT DET WARN SURF (CAST IN PLACE)         0         SF         \$ 50.00         \$           TXDOT 104-6015         REMOVING CONC (SIDEWALKS)         19         SY         \$ 9.00         \$           TXDOT 677         ELIM EXT PAVE MRK & MRKS         0         LF         \$ 2.80         \$           TXDOT 666/678         REFL PAV MRK PREP, TY I & TY II (W) 24"(SLD)         0         LF         \$ 8.50         \$   | TxDOT 110-6001       | EXCAVATION (ROADWAY)                         | 0        | CY   | \$          | 10.00         | \$ -         |
| TXDOT 531         CURB RAMPS         2         EA         \$ 1,500.00         \$ 3,000.0           TXDOT 5003-6002         RETROFIT DET WARN SURF (CAST IN PLACE)         0         SF         \$ 50.00         \$ -           TXDOT 104-6015         REMOVING CONC (SIDEWALKS)         19         SY         \$ 9.00         \$ 171.0           TXDOT 677         ELIM EXT PAVE MRK & MRKS         0         LF         \$ 2.80         \$ -           TXDOT 666/678         REFL PAV MRK PREP, TY I & TY II (W) 24"(SLD)         0         LF         \$ 8.50         \$ -   | TxDOT 529-6002       | CONC CURB (TY II)                            | 0        | LF   | \$          | 15.00         | \$ -         |
| TxDOT 5003-6002         RETROFIT DET WARN SURF (CAST IN PLACE)         0         SF         \$ 50.00         \$ -           TxDOT 104-6015         REMOVING CONC (SIDEWALKS)         19         SY         \$ 9.00         \$ 171.0           TxDOT 677         ELIM EXT PAVE MRK & MRKS         0         LF         \$ 2.80         \$ -           TxDOT 666/678         REFL PAV MRK PREP, TV & TY II (W) 24"(SLD)         0         LF         \$ 8.50         \$ -            REPAVE ROADWAY         0         LS         \$ 5,000.00         \$ -            FIX PONDING         1         LS         \$ 2,000.00         \$ 2,000.00            FIX CURB RAMP TRANSITION         2         LS         \$ 2,000.00         \$ 4,000.0            MEDIAN NOSE MODIFICATION         0         LS         \$ 5,000.00         \$ -            REMOVE TEMPORARY OBSTRUCTION         0         LS         \$ 5,000.00         \$ -            FIX CURB RAMP COUNTER SLOPE         0         LS         \$ 2,000.00         \$ -           Basis for Cost Projection         Subtotal:         \$ 9,171.0         \$ 1,914.5         \$ 1,914.5            Preliminary Design         Engineering: (% +/-) <t< td=""><td>TxDOT 531-6001</td><td>CONC SIDEWALKS (4")</td><td>0</td><td>SY</td><td>\$</td><td>45.00</td><td>\$ -</td></t<>   | TxDOT 531-6001       | CONC SIDEWALKS (4")                          | 0        | SY   | \$          | 45.00         | \$ -         |
| TXDOT 104-6015   REMOVING CONC (SIDEWALKS)   19   SY   \$ 9.00   \$ 171.0  |                      |  | 2        | EA   | \$          | 1,500.00      | \$ 3,000.00  |
| TxDOT 677         ELIM EXT PAVE MRK & MRKS         0         LF         \$ 2.80         \$ -           TxDOT 666/678         REFL PAV MRK PREP, TY I & TY II (W) 24"(SLD)         0         LF         \$ 8.50         \$ -            REPAVE ROADWAY         0         LS         \$ 5,000.00         \$ -            FIX PONDING         1         LS         \$ 2,000.00         \$ 2,000.00            FIX CURB RAMP TRANSITION         2         LS         \$ 2,000.00         \$ 4,000.0            MEDIAN NOSE MODIFICATION         0         LS         \$ 5,000.00         \$ -            REMOVE TEMPORARY OBSTRUCTION         0         LS         \$ 500.00         \$ -            FIX CURB RAMP COUNTER SLOPE         0         LS         \$ 2,000.00         \$ -           Basis for Cost Projection         Subtotal:         \$ 9,171.0           Box Design Completed         Engineering: (% +/-)         20%         \$ 1,914.5           Contingency: (% +/-)         20%         \$ 1,914.5   | TxDOT 5003-6002      | RETROFIT DET WARN SURF (CAST IN PLACE)       | 0        | SF   | \$          | 50.00         | \$ -         |
| TxDOT 666/678         REFL PAV MRK PREP, TY I & TY II (W) 24"(SLD)         0         LF         \$ 8.50         \$   | TxDOT 104-6015       | REMOVING CONC (SIDEWALKS)                    | 19       | SY   | \$          | 9.00          | \$ 171.00    |
| REPAVE ROADWAY  REPAVE ROADWAY  FIX PONDING  FIX PONDING  FIX CURB RAMP TRANSITION  MEDIAN NOSE MODIFICATION  REMOVE TEMPORARY OBSTRUCTION  REMOVE TEMPORARY OBSTRUCTION  FIX CURB RAMP COUNTER SLOPE  Basis for Cost Projection  □ No Design Completed □ Preliminary Design  Preliminary Design  Contingency: (% +/-)  Preliminary Design  Contingency: (% +/-)  Preliminary Design   | TxDOT 677            | ELIM EXT PAVE MRK & MRKS                     | 0        | LF   | \$          | 2.80          | \$ -         |
| FIX PONDING 1 LS \$ 2,000.00 \$ 2,000.00 FIX CURB RAMP TRANSITION 2 LS \$ 2,000.00 \$ 4,000.00 IMEDIAN NOSE MODIFICATION 0 LS \$ 5,000.00 \$ REMOVE TEMPORARY OBSTRUCTION 0 LS \$ 500.00 \$ FIX CURB RAMP COUNTER SLOPE 0 LS \$ 2,000.00 \$  Basis for Cost Projection Subtotal: \$ 9,171.00 □ No Design Completed Engineering: (% +/-) 20% \$ 1,914.5   | TxDOT 666/678        | REFL PAV MRK PREP, TY I & TY II (W) 24"(SLD) | 0        | LF   | \$          | 8.50          | \$ -         |
| FIX CURB RAMP TRANSITION 2 LS \$ 2,000.00 \$ 4,000.00 \$     MEDIAN NOSE MODIFICATION 0 LS \$ 5,000.00 \$     REMOVE TEMPORARY OBSTRUCTION 0 LS \$ 500.00 \$     FIX CURB RAMP COUNTER SLOPE 0 LS \$ 2,000.00 \$     Basis for Cost Projection   |                      | REPAVE ROADWAY                               | 0        | LS   | \$          | 5,000.00      | \$ -         |
| MEDIAN NOSE MODIFICATION 0 LS \$ 5,000.00 \$ REMOVE TEMPORARY OBSTRUCTION 0 LS \$ 500.00 \$ FIX CURB RAMP COUNTER SLOPE 0 LS \$ 500.00 \$  Basis for Cost Projection Subtotal: \$ 9,171.0  No Design Completed Engineering: (% +/-) 20% \$ 1,914.5  Preliminary Design   |                      |  | 1        | LS   | \$          | 2,000.00      | \$ 2,000.00  |
| REMOVE TEMPORARY OBSTRUCTION 0 LS \$ 500.00 \$ FIX CURB RAMP COUNTER SLOPE 0 LS \$ 2,000.00 \$  Basis for Cost Projection  No Design Completed Engineering: (% +/-) 20% \$ 1,914.5  Preliminary Design Completed Contingency: (% +/-) 20% \$ 1,914.5   |                      |  | 2        | LS   | \$          | 2,000.00      | \$ 4,000.00  |
| FIX CURB RAMP COUNTER SLOPE 0 LS \$ 2,000.00 \$  Basis for Cost Projection  ☑ No Design Completed □ Preliminary Design  ☐ Preliminary Design  ☐ Figure |                      |  | 0        | LS   | \$          |               | \$ -         |
| Basis for Cost Projection       Subtotal: \$ 9,171.0         ☑ No Design Completed       Engineering: (% +/-)       20% \$ 1,914.5         ☑ Preliminary Design       Contingency: (% +/-)       20% \$ 1,914.5  |                      |  | 0        | LS   | \$          |               |              |
| <ul> <li>✓ No Design Completed</li> <li>☐ Preliminary Design</li> <li>Engineering: (% +/-)</li> <li>Contingency: (% +/-)</li> <li>20% \$ 1,914.5</li> <li>Contingency: (% +/-)</li> <li>20% \$ 1,914.5</li> </ul>  |                      |  | 0        | LS   | \$          |               |              |
| ☐ Preliminary Design Contingency: (% +/-) 20% \$ 1,914.5   | Basis for Cost Proje |  |          |      |             |               | \$ 9,171.00  |
|  |                      |  |          |      |             |               | \$ 1,914.50  |
|  |                      |  |          | С    |             |               | * /          |
| ☐ Final Design Estimated Project Cost: \$ 13,000.0   |                      | ☐ Final Design                               |          |      | Estimated F | Project Cost: | \$ 13,000.00 |

## Project Location







## Field Observations

| Intersection Issues   |   | Crosswalk |   |   | Possible Solutions |
|---|---|-----------|---|---|--------------------|
|   |   | E         | S | W | Possible Solutions |
| Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches | All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV) |           |   |   |                    |
| Path of travel cross slope is greater than 5% for free-flow approaches Crosswalk width is less than 6' Crosswalk striping condition                         |   |           |   |   |                    |

| 0.10  |          | Ramp       | DID ('z' or 'i' in ramp label indicates no | Para Mar Onla Care   |  |
|---|----------|------------|--|--|--|
| Curb Ramp Issues  | 1A       | 2A         | existing ramp)                             | Possible Solutions   |  |
| Curb ramp does not exist and is needed                                | T        |            |  |  |  |
| Curb ramp does not land in crosswalk                                  |          |            |  |  |  |
| No 4' x 4' clear space at base of curb ramp                           |          |            |  |  |  |
| Curbed side is not 90° or has traversable adjacent surface            |          |            |  |  |  |
| Flare cross slope is greater than 10%                                 | Х        | Х          |  |  |  |
| Curb ramp running slope is greater than 8.3%                          | Х        | Х          |  |  |  |
| Blended transition running slope is greater than 5%                   |          |            |  |  |  |
| Cut-thru ramp running slope is greater than 5%                        |          | [          |  | Remove and replace curb ramp                                   |  |
| Curb ramp cross slope is greater than 2%                              | Х        | Х          |  | Remove and replace curb ramp                                   |  |
| Cut-thru ramp cross slope is greater than 2%                          |          |            |  |  |  |
| Curb ramp width is less than 48"                                      |          | [          |  |  |  |
| Cut-thru ramp width is less than 60"                                  |          |            |  |  |  |
| Permanent obstruction (>0.25") in curb ramp/landing/flares            |          |            |  |  |  |
| Temporary obstruction (>0.25") in curb ramp/landing/flares            | <u>i</u> | İ          |  | İ  |  |
| No textured surface at base of curb ramp                              | X        | Х          |  | For intersection, commercial driveway, and park ramps, install |  |
| No color contrast at base of curb ramp                                | X        | Х          |  | color truncated domes  |  |
| Landing area does not exist and is needed                             |          | <b> </b> _ |  |  |  |
| Landing area is less than 5' x 5' or slopes greater than 2%           | X        | ļ          |  | Remove and replace landing area                                |  |
| Curb ramp transition onto roadway is greater than 0.25"               | X        | X          |  | Fix curb ramp transition                                       |  |
| Counter slope of the gutter or street at the foot of the curb ramp is | ı        |            |  |  |  |
| greater than 5%   |          | <u> </u>   |  |  |  |
| Ponding occurs at base of curb ramp                                   | i        | Χ          |  | Fix ponding  |  |

**Photographs** 







Ramp 2A

## Opinion of Probable Construction Cost Disclaimer:

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.

## Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community