Texas Department of Transportation

BRIDGEFARMER & ASSOCIATES, INC.
CIVIL ENGINEERS
TBPE REGISTRATION NO. 004

DALLAS DISTRICT

PRELIMINARY DESIGN SCHEMATIC

JAMES K. SELMAN, P.E., DISTRICT ENGINEER

COLLIN COUNTY

FM 2514

PROJECT LIMIT: EAST OF LAVON PARKWAY

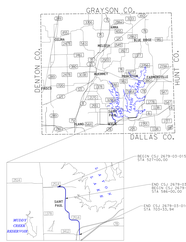
TO BROWN STREET

CONTROL: 2679-03-015, 2679-03-016

FUNCTIONAL CLASS: URBAN COLLECTOR

PROJECT LENGTH = 3.348 MILES (17,678.56 FT.)

DESIGN SPEED: 45 MPH




## LOCATION MAP

PRELIMINARY FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND SHALL NOT BE USED FOR BIDDING, PERMITTING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

| CHAD PIN HSU | 90099 | 11/11/2015 |
|---|---|---|
| NAME | P.E. NO. | DATE |

MAY 2015
ROLL 1 OF 5

© 2015 BY TEXAS DEPARTMENT OF TRANSPORTATION
ALL RIGHTS RESERVED

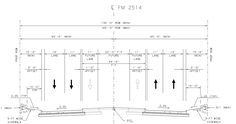
LEGEND

| | |
|---|---|
| C-CURVE(1) | CURVE NUMBER |
| | DIRECTION OF TRAFFIC |
| | CENTERLINE |
| | EXISTING ROW |
| | EXISTING PROPERTY LINE (APPROX.) |
| | PROPOSED ROW |
| | PAVEMENT REMOVAL |

PRELIMINARY

THIS PRINT IS FURNISHED FOR INFORMATION ONLY. THE ALIGNMENT INFORMATION AND DIMENSIONS SHOWN ARE SUBJECT TO CHANGE AND MUST NOT BE CONSIDERED FINAL.

FM 2514 EXISTING TYPICAL SECTION

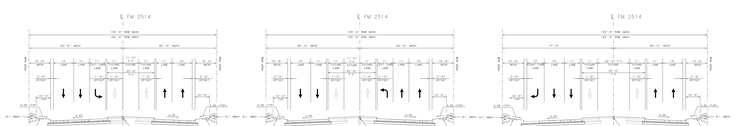



FM 2514 PROPOSED TYPICAL SECTION
STA 527+00.00 TO 657+10.00

## CURVE DATA

| CURVE | PI STATION | DELTA | RADIUS | TANGENT | LENGTH | CHORD BEARING | CHORD LENGTH | PC STATION | PT STATION |
|---|---|---|---|---|---|---|---|---|---|
| PARKER-1 | 559+76.77 | 90° 23' 12" (RT) | 820.00 | 825.55 | 12+93.59 | S 45° 42' 22" E | 1163.53 | 551+51.22 | 564+44.81 |
| PARKER-2 | 576+08.13 | 6° 32' 55" (RT) | 3,120.00 | 178.50 | 356.61 | S 2° 45' 42" W | 356.41 | 574+29.63 | 577+86.24 |
| PARKER-3 | 592+00.89 | 5° 20' 48" (LT) | 7,050.00 | 329.18 | 657.88 | S 5° 3' 21" W | 657.68 | 588+71.71 | 595+29.59 |
| PARKER-4 | 615+31.11 | 60° 40' 55" (LT) | 820.00 | 479.96 | 868.46 | S 29° 39' 06" E | 868.46 | 610+51.15 | 619+19.61 |
| PARKER-5 | 626+92.18 | 61° 22' 16" (RT) | 820.00 | 486.60 | 878.32 | S 29° 18' 25" E | 878.32 | 621+95.58 | 630+73.91 |
| PARKER-6 | 646+30.70 | 91° 11' 48" (LT) | 835.00 | 852.62 | 1,329.05 | S 44° 13' 11" E | 1,300.78 | 637+78.07 | 651+07.13 |
| PARKER-7 | 669+10.87 | 89° 15' 23" (RT) | 835.00 | 824.23 | 1,300.78 | S 45° 11' 23" E | 1,173.18 | 660+86.64 | 673+87.42 |
| PARKER-8 | 692+45.14 | 1° 43' 13" (RT) | 30,000.00 | 450.41 | 900.75 | S 0° 17' 55" W | 900.71 | 687+34.73 | 696+95.48 |

MEDIAN OPENINGS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL MEDIAN OPENINGS WILL BE DETERMINED DURING PS&E AND IN COORDINATION WITH THE LOCAL GOVERNMENT.




FM 2514 PROPOSED TYPICAL SECTION
NORTHBOUND WITH LEFT TURN LANE

FM 2514 PROPOSED TYPICAL SECTION
SOUTHBOUND WITH LEFT TURN LANE

FM 2514 PROPOSED TYPICAL SECTION
WITH RIGHT TURN LANE

Texas Department of Transportation

BRIDGEFARMER & ASSOCIATES, INC.
CIVIL ENGINEERS
TBPE REGISTRATION NO. 004

DALLAS DISTRICT

PRELIMINARY DESIGN SCHEMATIC

JAMES K. SELMAN, P.E., DISTRICT ENGINEER

COLLIN COUNTY

FM 2514

PROJECT LIMIT: EAST OF LAVON PARKWAY

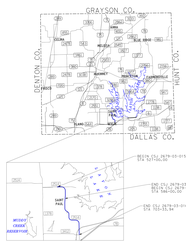
TO BROWN STREET

CONTROL: 2679-03-015, 2679-03-016

FUNCTIONAL CLASS: URBAN COLLECTOR

PROJECT LENGTH = 3.348 MILES (17,678.56 FT.)

DESIGN SPEED: 45 MPH




LOCATION MAP

PRELIMINARY FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND SHALL NOT BE USED FOR BIDDING, PERMITTING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

| CHAD PIN HSU | 90099 | 11/11/2015 |
|---|---|---|
| NAME | P.E. NO. | DATE |

MAY 2015
ROLL 1 OF 5

© 2015 BY TEXAS DEPARTMENT OF TRANSPORTATION
ALL RIGHTS RESERVED