Texas Department of Transportation

DALLAS DISTRICT

James K. Selman, P.E.
District Engineer

COLLIN COUNTY

DESIGN SCHEMATIC

FM 2478

WIDEN TWO-LANE RURAL HIGHWAY TO FOUR-LANE DIVIDED
REALIGN INTERSECTION AT FM 1461
SIX-LANE ULTIMATE

PROJECT LENGTH 3.174 MILES

CSJ: 0351-01-017,ETC.
LIMITS: FM 2478
1.0 NORTH OF FM 1461
LENGTH: 3.174 MILES

FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL ROAD

DESIGN SPEED:
FM 2478 = 45 MPH
CR 853 • MODIEC WILSON CREEK TR = 30 MPH
CR 933 • MODIEC MILLER CREEK TR = MODIEC
CR 857 • MODIEC BLOOMDALE RD = MODIEC
CR 858 • MODIEC RHEA MILLS CIR = MODIEC
FIRST ST = 45 MPH CHRISTIE FARMS BLVD = 35 MPH
WILMETH RD = 45 MPH FM 1461 = 45 MPH
CONNECTION TO EXISTING = 30 MPH

•MEETS OR IMPROVES EXISTING CONDITIONS

SCALE: HORIZONTAL 1 IN = 100 FT
VERTICAL IN = 10 FT

ROLL 1 OF 2

JUNE 2016

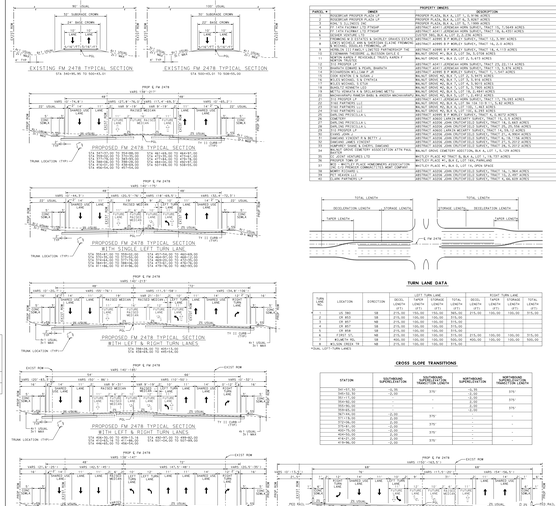
FM 2478 TRAFFIC DATA
ADT (2014) = 8,400
ADT (2040) = 15,000
DHV (2040) = 1,500
DIRECTIONAL DISTRIBUTION = 60%
TRUCK PERCENTAGE = 2%

DESIGN TRAFFIC
TRANSPORTATION PLANNING AND PROGRAMMING DIVISION

PRELIMINARY
NOT FOR CONSTRUCTION, BIDDING OR PERMITS

DATE SUBMITTED: 07/15/2016
DATE REVISED: 03/08/2018
DATE APPROVED: 09/07/2018
DATE REVISED: 05/03/2019
DATE REVISED: 06/08/2020
REMOVE CONNECTION TRIANGULAR ARC

KENNEDY CONSULTING
A JacobS Company



PARCEL #	OWNER	PROPERTY OWNER	DESCRIPTION
1	BOUNDARY LINE	BOUNDARY LINE	BOUNDARY LINE
2	WOODMONT PROSPER PLACE LP	PROSPER PLACE, BLK A, LOT 1, 5.3681 ACRES	
3	WOODMONT PROSPER PLACE LP	PROSPER PLACE, BLK A, LOT 2, 8.0000 ACRES	
4	CITY OF PROSPER	PROSPER PLACE, BLK A, LOT 3, 1.7649 ACRES	
5	CITY OF PROSPER	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 16, 4.5721 ACRES	
6	CITY OF PROSPER	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 16, 0.9000 ACRES	
7	FRANCIS, LLC	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 16, 0.9000 ACRES	
8	MICHAEL, STEVEN & STEPHANIE	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 16, 0.9000 ACRES	
9	MICHAEL, STEVEN & STEPHANIE	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 16, 0.9000 ACRES	
10	CITY OF PROSPER	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 16, 0.9000 ACRES	
11	HUNTER, DAVID & STEPHANIE	WALNUT GROVE #1, BLK D, LOT 2, 0.4419 ACRES	
12	HUNTER, DAVID	WALNUT GROVE #1, BLK D, LOT 3, 0.4419 ACRES	
13	HUNTER, DAVID	WALNUT GROVE #1, BLK D, LOT 4, 0.4419 ACRES	
14	BLOOMDALE, LLC	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 15, 0.1114 ACRES	
15	BLOOMDALE, LLC	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 15, 1.0000 ACRES	
16	BLOOMDALE, LLC	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 15, 1.0000 ACRES	
17	BLOOMDALE, LLC	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 15, 1.0000 ACRES	
18	MAYO, ROBERT & ANN	WALNUT GROVE #1, BLK A, LOT 1, 0.7500 ACRES	
19	MAYO, ROBERT & ANN	WALNUT GROVE #1, BLK A, LOT 2, 0.7500 ACRES	
20	MAYO, ROBERT & ANN	WALNUT GROVE #1, BLK A, LOT 3, 0.7500 ACRES	
21	WALNUT GROVE UNITED METHODIST CHURCH	WALNUT GROVE #1, BLK A, LOT 4, 1.7500 ACRES	
22	WALNUT GROVE UNITED METHODIST CHURCH	WALNUT GROVE #1, BLK A, LOT 5, 1.7500 ACRES	
23	CITY OF PROSPER	WALNUT GROVE #1, BLK A, LOT 6, 1.7500 ACRES	
24	CITY OF PROSPER	WALNUT GROVE #1, BLK A, LOT 7, 1.7500 ACRES	
25	CITY OF PROSPER	WALNUT GROVE #1, BLK A, LOT 8, 1.7500 ACRES	
26	CITY OF PROSPER	WALNUT GROVE #1, BLK A, LOT 9, 1.7500 ACRES	
27	CITY OF PROSPER	WALNUT GROVE #1, BLK A, LOT 10, 1.7500 ACRES	
28	CITY OF PROSPER	WALNUT GROVE #1, BLK A, LOT 11, 1.7500 ACRES	
29	CITY OF PROSPER	WALNUT GROVE #1, BLK A, LOT 12, 1.7500 ACRES	
30	CITY OF PROSPER	WALNUT GROVE #1, BLK A, LOT 13, 1.7500 ACRES	
31	CITY OF PROSPER	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 14, 0.9000 ACRES	
32	CITY OF PROSPER	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 14, 0.9000 ACRES	
33	CITY OF PROSPER	ABSTRACT 1077, JENKINS SARH SURVEY, TRACT 14, 0.9000 ACRES	