Texas Department of Transportation

DALLAS DISTRICT
CEASON CLEMENS P.E., DISTRICT ENGINEER

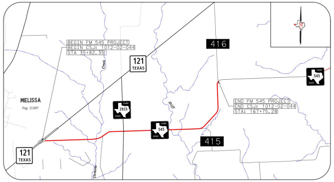
FM 545 (EAST MELISSA ROAD) PROJECT
60% SUBMITTAL (REVISED)
FROM SH 121 TO CR 416
LENGTH: 2.50 MILES
COLLIN COUNTY, TEXAS
CSJ: 1012-02-044

JULY 2026
ROLL 1 OF 2

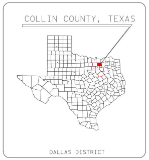
DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED	ADT
FM 545	MINOR ARTERIAL	45	15,547(2024) 31,150(2055)
FM 2933	URBAN COLLECTOR STREET	45	-
CR 415	LOCAL	40	-
ALL OTHER CROSS STREETS	LOCAL	*MOIEC	-

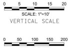
*MEET OR IMPROVE EXISTING CONDITIONS


BEGIN FM 545 PROJECT
BEGIN CSJ: 1012-02-044
STA 35+82.35
416
121 TEXAS
MELISSA
Pop 17,497
Creek
2933
545
Stiff
415
END FM 545 PROJECT
END CSJ: 1012-02-044
STA: 167+75.28
121 TEXAS
N

VICINITY MAP
N.T.S.


COLLIN COUNTY, TEXAS
DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.


0 5 10 15 20
SCALE: 1"=10'
0 50 100 150 200
SCALE: 1"=100'

VERTICAL SCALE

HORIZONTAL SCALE

PRELIMINARY
FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	PE#	Date
MARIA F. GUERRA	121650	07/20/26

HALFF ASSOCIATES, INC.
TBPELS FIRM #F-312

DATE SUBMITTED:

DATE APPROVED: XXXXX

halff
2380 PERFORMANCE DRIVE
BLDG C, SUITE 150
RICHARDSON, TEXAS 75082
TEL (214) 346-6200
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LEGEND:

-·-·-	EXISTING ROW
-·-·-	PROPOSED ROW
▬	EXISTING 100-YEAR FLOODPLAIN
—	EXISTING PROPERTY LINE
—	EXISTING PLANIMETRIC FEATURES
-·-·-	PROPOSED CENTERLINE/BASELINE
—	PROPOSED RETAINING WALL
- - -	PROPOSED SAW CUT
- - -	EXISTING TOPOGRAPHIC CONTOURS (5-FT INTERVALS)
═══	EXISTING CULVERT
═══	PROPOSED CULVERT
▬	EXISTING EDGE OF PAVEMENT
▬	EXISTING PAVEMENT MARKING
—	PROPOSED EDGE OF PAVEMENT
— · —	PROPOSED PAVEMENT MARKING
═══	PROPOSED BRIDGE BENT
▬	EXISTING PAVEMENT
▬	EXISTING MEDIAN
▬	PROPOSED PAVEMENT BY OTHER PROJECT
▬	PROPOSED BRIDGE
▬	PROPOSED PAVEMENT
▬	PROPOSED SHARED USE PATH
▬	PROPOSED SIDEWALK
▬	PROPOSED CROSS STREET
▬	PROPOSED MEDIAN
▬	PROPOSED DISPLACEMENT
▬	PROPOSED TEMPORARY PAVEMENT
▬	PROPOSED DRIVEWAY
🚦	EXISTING TRAFFIC SIGNAL
➡	PROPOSED TRAFFIC FLOW
XXX	PROPERTY ID
XXX	CONTOUR ELEVATIONS

EASEMENT LEGEND:

—	DETENTION EASEMENT
—	DRAINAGE EASMENT
—	DRAINAGE & UTILITY EASEMENT
—	UTILITY EASEMENT (VARIOUS)
—	PEDESTRIAN ACCESS, SIDEWALK, OR TRAIL EASEMENT
—	COMBINATION EASEMENT

UTILITIES LEGEND:

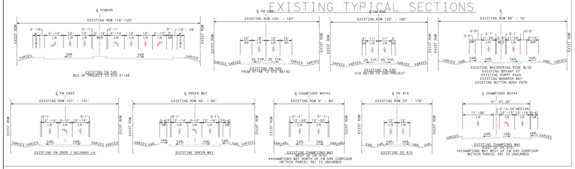
----T(*)----	AT&T TELEPHONE LINE
----F(*)----	AT&T FIBER OPTIC LINE
----F(*)----	SPECTRUM FIBER OPTIC LINE
----F(*)----	ZAYO FIBER OPTIC LINE
----F(*)----	GCEC FIBER OPTIC LINE
----F(*)----	OPTIMUM FIBER OPTIC LINE
----F(*)----	GCEC TECHNOLOGIES FIBER OPTIC LINE
----F(*)----	UNKNOWN FIBER OPTIC LINE
----C(*)----	SPECTRUM CABLE TV LINE
----------	FORCE MAIN LINE (FM)
----W(*)----	CITY OF MELISSA WATER LINE
----WW(*)----	CITY OF MELISSA WASTEWATER LINE
----WW(*)----	NTMWD WASTERWATER LINE
----SD(*)----	TXDOT STROM DRAIN LINE
----G(*)----	ATMOS ENERGY GAS LINE
----G(*)----	MELISSA RENEWABLE GAS LINE
----E(*)----	ONCOR ELECT. DELIVERY ELECT. LINE
----E(*)----	TXDOT ELECTRIC LINE
----E(*)----	GCEC ELECTRIC LINE
----E(*)----	UNKNOWN ELECTRIC LINE
———	ELECTRIC LINE (E) OVERHEAD

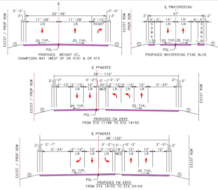
* FOR QUALITY LEVEL INFORMATION, SEE UTILITY LINEWORK IN PLAN VIEW

NOTES:

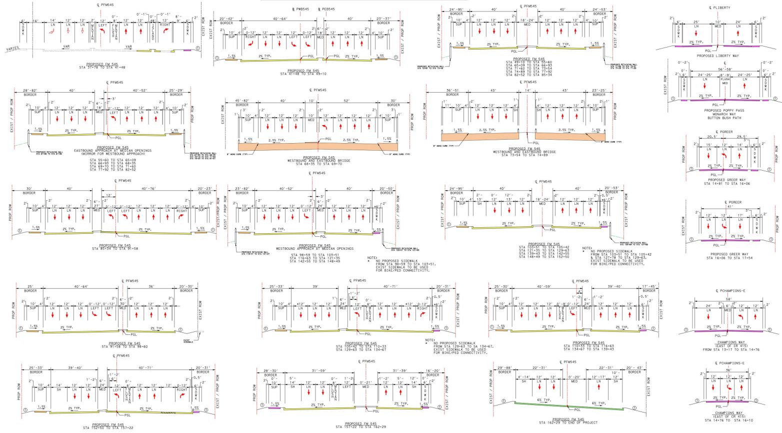
1. SCHEMATIC LAYOUT IS BASED ON AERIAL TOPOGRAPHY DATED 09-27-2024 AND RECORD PLANS.
2. TRAFFIC VOLUMES APPROVED BY TXDOT ON 11-05-2025.
3. SPECIFIC BRIDGE RAIL TYPE TO BE DETERMINED DURING PS&E DESIGN.
4. PARCEL LIMITS AND OWNERSHIP INFORMATION WERE COLLECTED FROM COLLIN COUNTY APPRAISAL DISTRICT (JUNE 2025).
5. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
6. MEDIAN OPENINGS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL MEDIAN OPENING LOCATIONS TO BE DETERMINED DURING PS&E AND IN COORDINATION WITH THE LOCAL GOVERNMENTS.
7. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED (UNLESS NOTED OTHERWISE).
8. SIDEWALK AND SHARED USE PATH LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING PS&E DEVELOPMENT.
9. DRIVEWAY LOCATIONS ARE PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PS&E DESIGN. DRIVEWAY RETURN RADII ARE R=15′ MINIMUM (PRIVATE RESIDENTIAL) OR R=25′ MINIMUM (COMMERCIAL) UNLESS NOTED OTHERWISE ON THE SCHEMATIC SHEET.
10. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL (LINEAR TRANSITION WAS USED).
11. PROPOSED CURBS ARE TYPE II (UNLESS NOTED OTHERWISE).
12. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER OR WALL (UNLESS NOTED OTHERWISE).

EXISTING TYPICAL SECTIONS

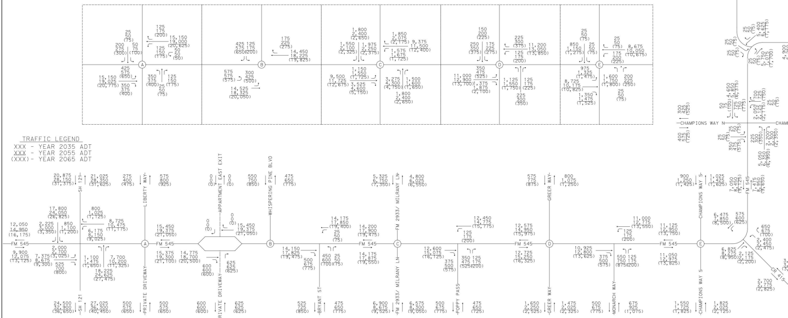

℄ PFM545
EXISTING ROW 118′-125′
EXISTING FM 545
BEG OF PROJECT TO STA 41+48
℄ FM 545
EXISTING ROW 120′ - 167′
EXISTING FM 545
FROM 41+48 TO STA 86+30
EXISTING ROW 120′ - 180′
EXISTING FM 545
STA 86+30 TO END PROJECT
EXISTING ROW 49′ - 76′
EXISTING WHISPERING PINE BLVD
EXISTING BRYANT ST
EXISTING POPPY PASS
EXISTING MONARCH WAY
EXISTING BUTTON BUSH PATH
℄ FM 2933
EXISTING ROW 101′ - 141′
EXISTING FM 2933 / MILRANY LN
℄ GREER WAY
EXISTING ROW 56′ - 60′
EXISTING GREER WAY
℄ CHAMPIONS WAY**
EXISTING ROW 0′ - 84′
EXISTING CHAMPIONS WAY
(WEST OF CR 415)
**CHAMPIONS WAY NORTH OF FM 545 CORRIDOR
(WITHIN PARCEL 38) IS UNCURBED
℄ CR 415
EXISTING ROW 24′ - 176′
EXISTING CR 415
℄ CHAMPIONS WAY**
41′-57.25′
EXISTING CHAMPIONS WAY
(EAST OF CR 415)
**CHAMPIONS WAY WEST OF FM 545 CORRIDOR
(WITHIN PARCEL 38) IS UNCURBED
EXIST ROW
VARIES
LN
MED
SH
SW
SUP
2% TYP.


PROPOSED BRYANT ST,
CHAMPIONS WAY (WEST OF CR 415) & CR 415
℄ PWHISPERING
PROPOSED WHISPERING PINE BLVD
℄ PFM2933
28′ - 110′
PROPOSED FM 2933
FROM STA 11+96 TO STA 18+50
℄ PFM2933
48′-122′
PROPOSED FM 2933
FROM STA 18+50 TO STA 24+04
EXIST / PROP ROW
PGL

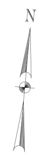
PROPOSED TYPICAL SECTIONS


① 4:1 (TYP)
3:1 (MAX)
℄ PFM545
PROPOSED FM 545
STA 37+78 TO STA 41+48
℄ PWB545
℄ PEB545
PROPOSED FM 545
STA 41+48 TO STA 49+10
PROPOSED FM 545
STA 49+10 TO STA 55+60
STA 65+09 TO STA 66+93
STA 71+60 TO STA 73+54
STA 74+89 TO STA 77+92
STA 82+52 TO STA 85+34
℄ PLIBERTY
PROPOSED LIBERTY WAY
PROPOSED POPPY PASS
MONARCH WAY
BUTTON BUSH PATH
PROPOSED FM 545
EASTBOUND APPROACH AT MEDIAN OPENINGS
(MIRROR FOR WESTBOUND APPROACH)
STA 55+60 TO STA 65+09
STA 66+93 TO STA 68+35
STA 69+70 TO STA 71+60
STA 77+92 TO STA 82+52
PROPOSED FM 545
WESTBOUND AND EASTBOUND BRIDGE
STA 68+35 TO STA 69+70
PROPOSED FM 545
WESTBOUND AND EASTBOUND BRIDGE
STA 73+54 TO STA 74+89
℄ PGREER
PROPOSED GREER WAY
STA 14+81 TO STA 16+06
PROPOSED FM 545
STA 85+34 TO STA 91+58
PROPOSED FM 545
WESTBOUND APPROACH AT MEDIAN OPENINGS
STA 98+59 TO STA 103+51
STA 116+63 TO STA 121+35
STA 142+55 TO STA 148+49
NOTE:
* NO PROPOSED SIDEWALK
FROM STA 98+59 TO STA 103+51.
EXIST SIDEWALK TO BE USED
FOR BIKE/PED CONNECTIVITY.
PROPOSED FM 545
STA 103+51 TO STA 105+42
STA 121+35 TO STA 129+63
STA 139+43 TO STA 142+55
STA 148+49 TO STA 152+50
NOTE:
* NO PROPOSED SIDEWALK
FROM STA 103+51 TO STA 105+42
& STA 127+78 TO STA 129+63.
EXIST SIDEWALK TO BE USED
FOR BIKE/PED CONNECTIVITY.
PROPOSED GREER WAY
STA 16+06 TO STA 17+54
PROPOSED FM 545
STA 91+58 TO STA 98+60
PROPOSED FM 545
STA 105+42 TO STA 110+33
STA 129+63 TO STA 134+67
NOTE:
* NO PROPOSED SIDEWALK
FROM STA 129+63 TO SA 134+67.
EXIST SIDEWALK TO BE USED
FOR BIKE/PED CONNECTIVITY.
PROPOSED FM 545
STA 110+33 TO STA 116+63
STA 134+67 TO STA 139+43
℄ PCHAMPIONS-E
CHAMPIONS WAY
(EAST OF CR 415)
FROM STA 13+17 TO STA 14+76
PROPOSED FM 545
STA 152+50 TO STA 157+22
PROPOSED FM 545
STA 157+22 TO STA 162+29
PROPOSED FM 545
STA 162+29 TO END OF PROJECT
CHAMPIONS WAY
(EAST OF CR 415)
STA 14+76 TO STA 16+10
PROPOSED RETAINING WALL
8" MONO CURB (TYP)
EXIST SIDEWALK
BORDER
SUP
LN
MED
LEFT
RIGHT
SH
SDWK
FLUSH MEDIAN
PGL
EXIST / PROP ROW
PROP ROW
2% TYP.
1.5%

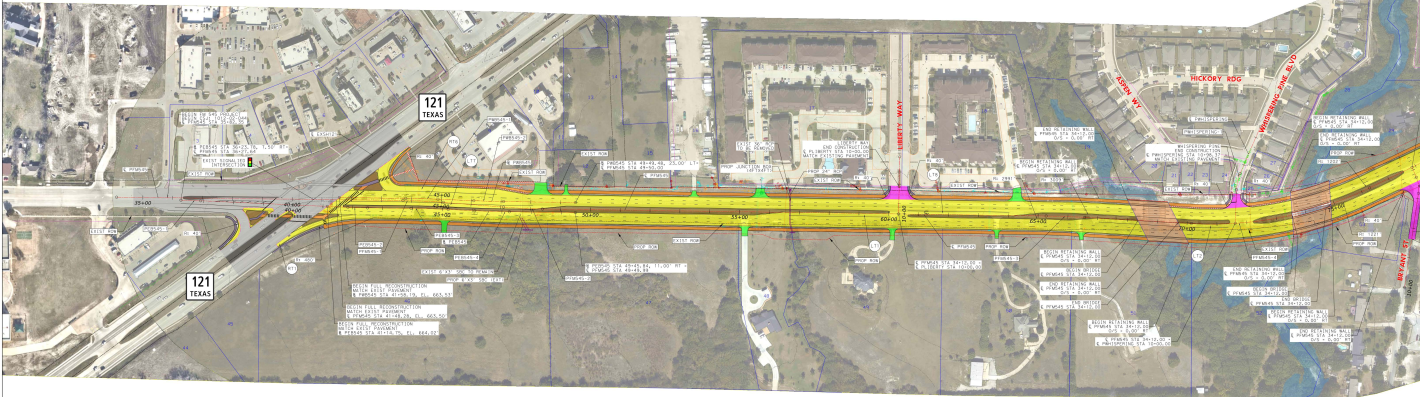
TRAFFIC DIAGRAM


A
B
C
D
E
SH 121
FM 545
LIBERTY WAY
APARTMENT EAST EXIT
WHISPERING PINE BLVD
PRIVATE DRIVEWAY
BRYANT ST
FM 2933/ MILRANY LN
POPPY PASS
GREER WAY
MONARCH WAY
CHAMPIONS WAY
CR 416

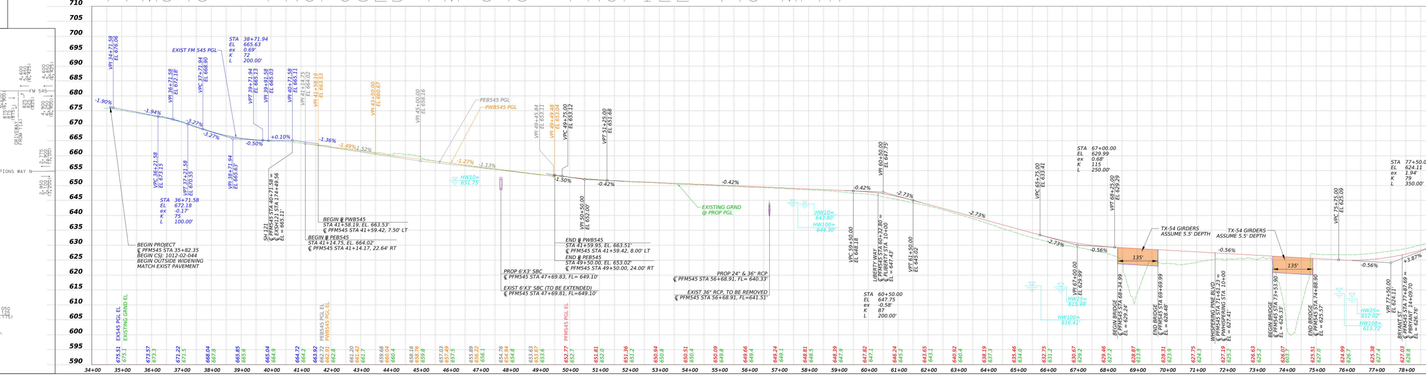
TRAFFIC LEGEND
XXX - YEAR 2035 ADT
XXX - YEAR 2055 ADT
(XXX) - YEAR 2065 ADT

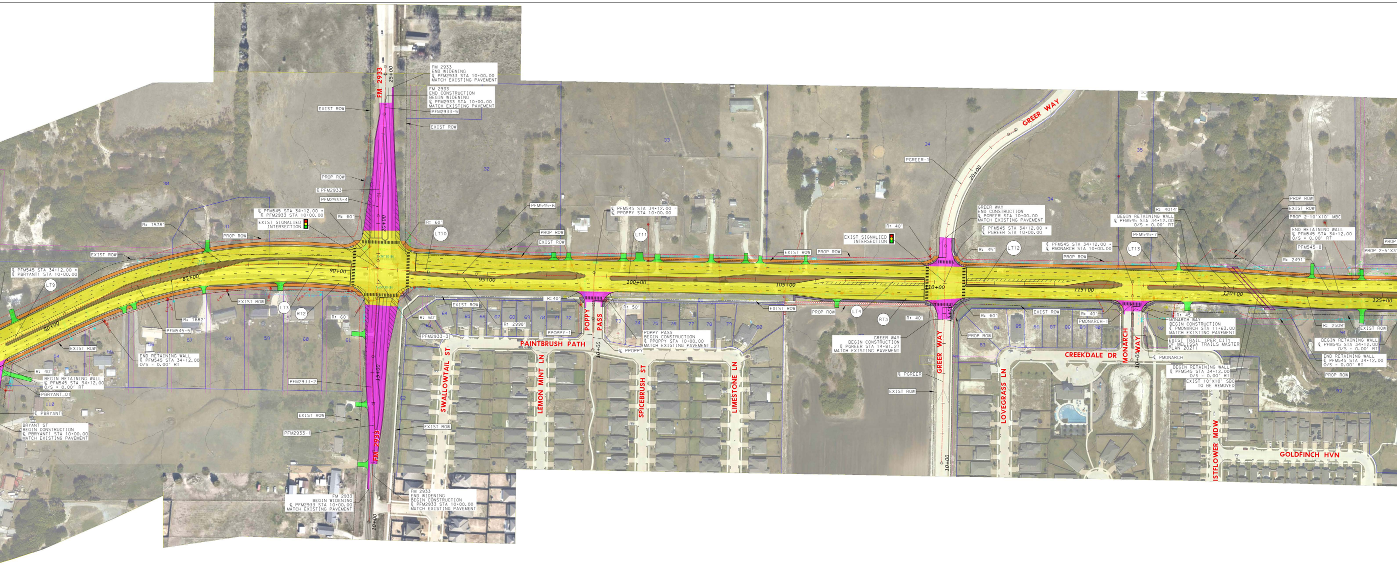


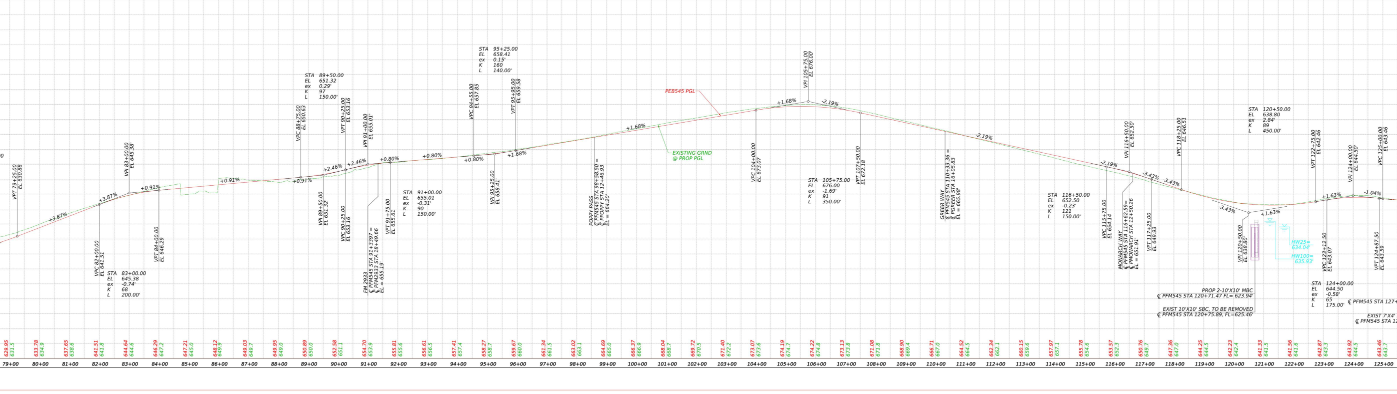
PRELIMINARY
SUBJECT TO CHANGE

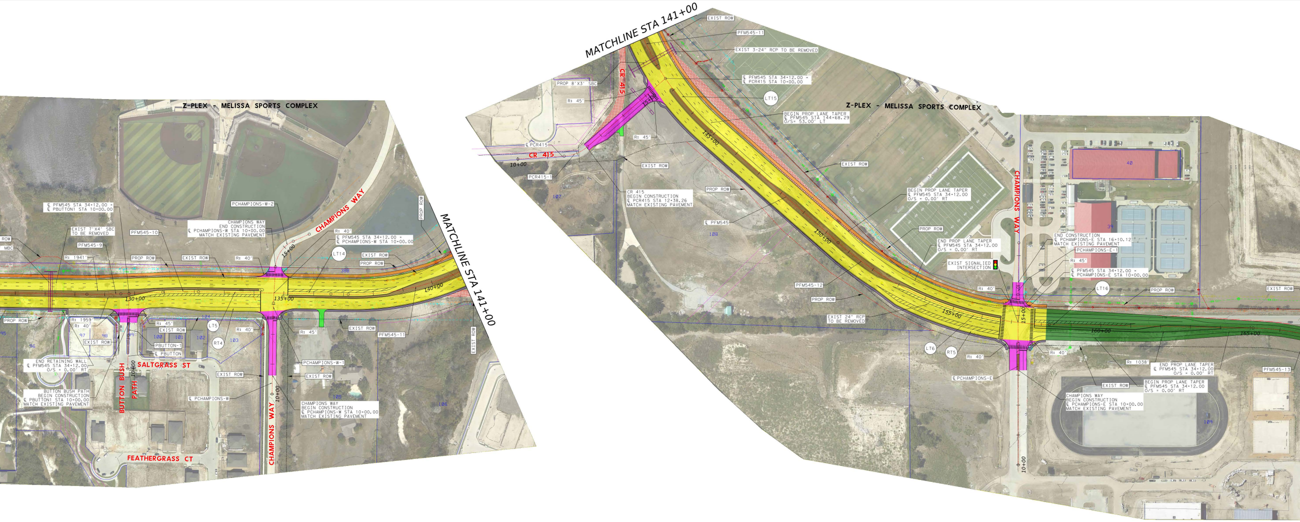

121 TEXAS
BEGIN FM 545 PROJECT
BEGIN CSJ: 1012-02-044
℄ PFM545 STA 35+82.35
℄ PEB545 STA 36+23.78, 7.50' RT=
℄ PFM545 STA 36+27.64
EXIST SIGNALIZED INTERSECTION
EXIST ROW
℄ PFM545
℄ EXSH121
PROP ROW
35+00
40+00
45+00
50+00
55+00
60+00
65+00
70+00
75+00
10+00
R= 40'
R= 480'
R= 2991'
R= 3009'
R= 1202'
R= 1221'
PWB545-1
PWB545-2
PEB545-1
PEB545-2
PEB545-3
PEB545-4
PFM545-1
PFM545-2
PFM545-3
PFM545-4
RT1
RT6
LT1
LT2
LT7
LT8
EXIST 6'X3' SBC TO REMAIN
PROP 6'X3' SBC (EXT)
BEGIN FULL RECONSTRUCTION
MATCH EXIST PAVEMENT
℄ PWB545 STA 41+58.19, EL. 663.53'
℄ PFM545 STA 41+48.28, EL. 663.50'
℄ PEB545 STA 41+14.75, EL. 664.02'
℄ PWB545 STA 49+49.48, 23.00' LT=
℄ PFM545 STA 49+50.00
℄ PEB545 STA 49+45.84, 11.00' RT =
℄ PFM545 STA 49+49.99
EXIST 36" RCP TO BE REMOVED
PROP JUNCTION BOX (4FTX4FT)
PROP 24" RCP
LIBERTY WAY
END CONSTRUCTION
℄ PLIBERTY STA 10+00.00
MATCH EXISTING PAVEMENT
℄ PFM545 STA 34+12.00 =
℄ PLIBERTY STA 10+00.00
BEGIN RETAINING WALL
END RETAINING WALL
℄ PFM545 STA 34+12.00
O/S = 0.00' RT
BEGIN BRIDGE
END BRIDGE
WHISPERING PINE
℄ PWHISPERING STA 10+98.37
℄ PWHISPERING
PWHISPERING-1
℄ PWHISPERING STA 10+00.00
LIBERTY WAY
ASPEN WY
HICKORY RDG
WHISPERING PINE BLVD
BRYANT ST

PFM545 - PROPOSED FM 545 PROFILE (45 MPH)



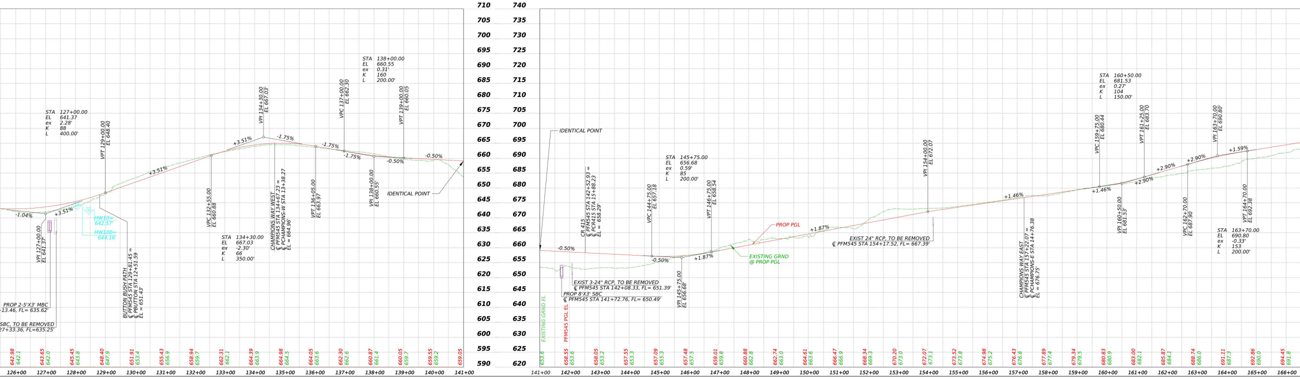

FM 2933
FM 2933 END WIDENING ℄ PFM2933 STA 10+00.00 MATCH EXISTING PAVEMENT
FM 2933 END CONSTRUCTION BEGIN WIDENING ℄ PFM2933 STA 10+00.00 MATCH EXISTING PAVEMENT
PFM2933-5
EXIST ROW
PROP ROW
PFM2933
PFM2933-4
PFM545-6
℄ PFM545 STA 34+12.00 = ℄ PFM2933 STA 10+00.00
EXIST SIGNALIZED INTERSECTION
R= 1578'
R= 60'
LT10
LT11
LT12
LT13
LT9
LT3
RT2
RT3
LT4
℄ PFM545 STA 34+12.00 = ℄ PPOPPY STA 10+00.00
℄ PFM545 STA 34+12.00 = ℄ PBRYANT STA 10+00.00
90+00
85+00
80+00
95+00
100+00
105+00
110+00
115+00
120+00
125+00
R= 1682'
PFM545-5
END RETAINING WALL ℄ PFM545 STA 34+12.00 O/S = 0.00' RT
BEGIN RETAINING WALL ℄ PFM545 STA 34+12.00 O/S = 0.00' RT
PBRYANT_01
℄ PBRYANT
BRYANT ST BEGIN CONSTRUCTION ℄ PBRYANT STA 10+00.00 MATCH EXISTING PAVEMENT
R= 40'
PFM2933-2
PFM2933-1
PFM2933-3
FM 2933 BEGIN WIDENING ℄ PFM2933 STA 10+00.00 MATCH EXISTING PAVEMENT
FM 2933 END WIDENING BEGIN CONSTRUCTION ℄ PFM2933 STA 10+00.00 MATCH EXISTING PAVEMENT
15+00
20+00
25+00
10+00
R= 2998'
PPOPPY-1
POPPY PASS
POPPY PASS BEGIN CONSTRUCTION ℄ PPOPPY STA 10+00.00 MATCH EXISTING PAVEMENT
℄ PPOPPY
R= 50'
PAINTBRUSH PATH
SWALLOWTAIL ST
LEMON MINT LN
SPICEBRUSH ST
LIMESTONE LN
GREER WAY
PGREER-1
GREER WAY END CONSTRUCTION ℄ PGREER STA 10+00.00 MATCH EXISTING PAVEMENT
℄ PFM545 STA 34+12.00 = ℄ PGREER STA 10+00.00
EXIST SIGNALIZED INTERSECTION
R= 40'
R= 45'
GREER WAY BEGIN CONSTRUCTION ℄ PGREER STA 14+81.27 MATCH EXISTING PAVEMENT
℄ PGREER
20+00
10+00
LOVEGRASS LN
CREEKDALE DR
MONARCH WAY
℄ PFM545 STA 34+12.00 = ℄ PMONARCH STA 10+00.00
PMONARCH-1
MONARCH WAY BEGIN CONSTRUCTION ℄ PMONARCH STA 11+63.00 MATCH EXISTING PAVEMENT
EXIST TRAIL (PER CITY OF MELISSA TRAILS MASTER PLAN 2021)
℄ PMONARCH
BEGIN RETAINING WALL ℄ PFM545 STA 34+12.00 O/S = 0.00' RT
EXIST 10'X10' SBC TO BE REMOVED
R= 4014'
BEGIN RETAINING WALL ℄ PFM545 STA 34+12.00 O/S = 0.00' RT
PFM545-7
PROP 2-10'X10' MBC
END RETAINING WALL ℄ PFM545 STA 34+12.00 O/S = 0.00' RT
PFM545-8
R= 2491'
R= 2509'
PROP ROW
GOLDFINCH HVN
STFLOWER MDW
30
31
32
33
34
35
36





MATCHLINE STA 141+00
Z-PLEX - MELISSA SPORTS COMPLEX
CHAMPIONS WAY
SALTGRASS ST
BUTTON BUSH PATH
FEATHERGRASS CT
CR 415
PFM545 STA 34+12.00 = PBUTTON1 STA 10+00.00
EXIST 7'X4' SBC TO BE REMOVED
PFM545-10
PFM545-9
PFM545-11
PFM545-12
PFM545-13
PCHAMPIONS-W-2
PCHAMPIONS-W-1
CHAMPIONS WAY END CONSTRUCTION PCHAMPIONS-W STA 10+00.00 MATCH EXISTING PAVEMENT
PFM545 STA 34+12.00 = PCHAMPIONS-W STA 10+00.00
CHAMPIONS WAY BEGIN CONSTRUCTION PCHAMPIONS-W STA 10+00.00 MATCH EXISTING PAVEMENT
END RETAINING WALL PFM545 STA 34+12.00 O/S = 0.00' RT
BUTTON BUSH PATH BEGIN CONSTRUCTION PBUTTON1 STA 10+00.00 MATCH EXISTING PAVEMENT
EXIST ROW
PROP ROW
R= 40'
R= 45'
R= 1941'
R= 1959'
R= 1038'
130+00
135+00
140+00
145+00
150+00
155+00
160+00
165+00
15+00
10+00
LT14
LT15
LT16
LT5
LT6
RT4
RT5
EXIST 3-24" RCP TO BE REMOVED
PFM545 STA 34+12.00 = PCR415 STA 10+00.00
PROP 8'X3' SBC
CR 415 BEGIN CONSTRUCTION PCR415 STA 12+38.26 MATCH EXISTING PAVEMENT
BEGIN PROP LANE TAPER PFM545 STA 144+68.29 O/S = 53.00' LT
BEGIN PROP LANE TAPER PFM545 STA 34+12.00 O/S = 0.00' RT
END PROP LANE TAPER PFM545 STA 34+12.00 O/S = 0.00' RT
EXIST SIGNALIZED INTERSECTION
END CONSTRUCTION PCHAMPIONS-E STA 16+10.12 MATCH EXISTING PAVEMENT
PCHAMPIONS-E-1
PFM545 STA 34+12.00 = PCHAMPIONS-E STA 10+00.00
PCHAMPIONS-E
EXIST 24" RCP TO BE REMOVED
CHAMPIONS WAY BEGIN CONSTRUCTION PCHAMPIONS-E STA 10+00.00 MATCH EXISTING PAVEMENT
PCR415
PCR415-1
PFM545

PFM545 - PROPOSED FM 545 PROFILE (45 MPH)



710 740
705 735
700 730
695 725
690 720
685 715
680 710
675 705
670 700
665 695
660 690
655 685
650 680
645 675
640 670
635 665
630 660
625 655
620 650
615 645
610 640
605 635
600 630
595 625
590 620
STA 127+00.00 EL 641.37 ex 2.28' K 88 L 400.00'
VPI 127+00.00 EL 641.37
VPT 129+00.00 EL 648.40
-1.04%
+3.51%
HW10= 642.57'
HW100= 644.16'
PROP 2-5'X3' MBC
SBC, TO BE REMOVED
BUTTON BUSH PATH PFM545 STA 129+81.45 = PBUTTON STA 12+51.59 EL = 651.43'
VPC 132+55.00 EL 660.88
STA 134+30.00 EL 667.03 ex -2.30' K 66 L 350.00'
VPI 134+30.00 EL 667.03
CHAMPIONS WAY WEST PFM545 STA 134+67.23 = PCHAMPIONS-W STA 13+38.27 EL = 664.96'
VPT 136+05.00 EL 663.97
-1.75%
VPC 137+00.00 EL 662.30
STA 138+00.00 EL 660.55 ex 0.31' K 160 L 200.00'
VPI 138+00.00 EL 660.55
VPT 139+00.00 EL 660.05
-0.50%
IDENTICAL POINT
EXISTING GRND EL
PFM545 PGL EL
-0.50%
CR 415 PFM545 STA 142+52.93 = PCR415 STA 15+88.23 EL = 658.29'
EXIST 3-24" RCP, TO BE REMOVED PFM545 STA 142+08.33, FL= 651.39'
PROP 8'X3' SBC PFM545 STA 141+72.76, FL= 650.49'
VPC 144+75.00 EL 657.18
STA 145+75.00 EL 656.68 ex 0.59' K 85 L 200.00'
VPI 145+75.00 EL 656.68
VPT 146+75.00 EL 658.54
+1.87%
PROP PGL
EXISTING GRND @ PROP PGL
EXIST 24" RCP, TO BE REMOVED PFM545 STA 154+17.52, FL= 667.39'
VPI 154+00.00 EL 672.07
+1.46%
CHAMPIONS WAY EAST PFM545 STA 157+22.07 = PCHAMPIONS-E STA 14+76.38 EL = 676.75'
VPC 159+75.00 EL 680.44
STA 160+50.00 EL 681.53 ex 0.27' K 104 L 150.00'
VPI 160+50.00 EL 681.53
VPT 161+25.00 EL 683.70
+2.90%
VPC 162+70.00 EL 687.90
VPI 163+70.00 EL 690.80
STA 163+70.00 EL 690.80 ex -0.33' K 153 L 200.00'
VPT 164+70.00 EL 692.38
+1.59%
642.98 642.1
643.65 642.0
645.45 643.8
648.40 647.9
651.91 653.4
655.43 656.9
658.94 659.7
662.31 662.1
664.39 663.9
664.98 664.5
664.05 663.6
662.30 662.6
660.87 661.4
660.05 659.7
659.55 659.2
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658.05 653.2
657.55 653.3
657.09 655.3
657.48 657.5
659.01 659.8
660.88 662.8
662.74 663.0
664.61 663.6
666.47 666.9
668.34 669.3
670.20 673.0
672.07 673.1
673.52 673.8
674.98 675.2
676.43 676.8
677.89 677.4
679.34 679.5
680.83 680.9
683.00 682.1
685.87 684.1
688.74 686.0
691.11 687.3
692.86 690.0
694.45 691.8
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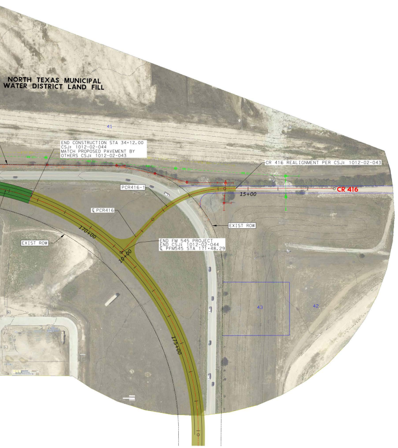
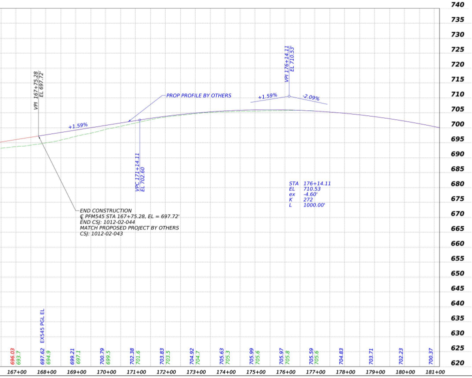
PRELIMINARY
SUBJECT TO CHANGE


NORTH TEXAS MUNICIPAL WATER DISTRICT LAND FILL
41
END CONSTRUCTION STA 34+12.00
CSJ: 1012-02-044
MATCH PROPOSED PAVEMENT BY OTHERS CSJ: 1012-02-043
CR 416 REALIGNMENT PER CSJ: 1012-02-043
PCR416-1
CR 416
15+00
℄ PCR416
EXIST ROW
EXIST ROW
170+00
10+00
END FM 545 PROJECT
END CSJ: 1012-02-044
℄ PFM545 STA 171+48.29
43
42
175+00



PROPERTY OWNERS

Parcel ID	Property Owner Name	Property Address
1	CST STATIONS TEXAS LLC	2545 SAM RAYBURN HWY
2	SOHO SKY LLC	
3	VAN VLECK PROPERTIES LLC	2601 SAM RAYBURN HWY
4	STARMELISSA LLC	2611 SAM RAYBURN HWY
5	JENSENS GOLDEN GOODNESS CORP	2631 SAM RAYBURN HWY
6	GLTM INVESTMENTS LLC	2641 SAM RAYBURN HWY
7	VR ASHBURY LP	2651 SAM RAYBURN HWY
8	RETAIL BUILDINGS INC	2681 SAM RAYBURN HWY
9	ALICE MARIE LLC	2600 SAM RAYBURN HWY
10	CHIU ALLAN FAMILY TRUST THE &	2702 SAM RAYBURN HWY
11	FIRESTONE HARVEY & VALERIE	MELISSA, TX 75454
12	FIRESTONE HARVEY	2522 E MELISSA RD
13	FIRESTONE HARVEY S	NUGENT ST
14	FIRESTONE HARVEY	NUGENT ST
15	FIRESTONE HARVEY	MELISSA RD
16	PIPE DREAM PROPERTIES LLC	2610 E MELISSA RD
17	PROVISION AT MELISSA LP	2650 E MELISSA RD
18	GALA AT MELISSA LP	2730 E MELISSA RD
19	BAJA DEVELOPMENT LLC	E MELISSA RD
20	SONG WEIDONG W & YUANLIN YANG	2909 ASPEN WAY
21		2907 ASPEN WAY
22	BABIAK EDUARDO SR & LAURA E RODRIGUEZ	2905 ASPEN WAY
23	VILLEGAS TOBIAS &	2903 ASPEN WAY
24	ZHT INVESTMENT LLC	2901 ASPEN WAY
25	MELISSA TRAILS PHASE II HOMEOWNERS ASSOCIATION INC	2900 WHISPERING PINE BLVD
26	LARKIN JOSHUA BRYAN & EMILY RAE	2902 WHISPERING PINE BLVD
27	KORA BALAKRISHNA	2904 WHISPERING PINE BLVD
28	MELISSA TRAILS PHASE II HOMEOWNERS ASSOCIATION INC	MELISSA, TX 75454
29	RAYMUNDO JESUS & DALILA PAYAN	3100 E MELISSA RD
30	LONG PRISCILLA	2939 MILRANY LN
31	LONG PRISCILLA	3224 E MELISSA RD
32	MRM MELISSA INVESTMENTS LLC	MILRANY LN
33	MELISSA INDEPENDENT SCHOOL DISTRICT	E MELISSA RD
34	TYNAS TEXAS LP	3626 E MELISSA RD
35	SPROAT ELIZABETH	E MELISSA RD
36	SPROAT ELIZABETH	3838 E MELISSA RD
37	MELISSA CITY OF	FM 545
38A	MELISSA CITY OF	2901 CHAMPIONS WAY
38B	MELISSA CITY OF	FM 545
39	MELISSA CITY OF	3071 CHAMPIONS WAY
40	4FORBASEBALL LLC	3059 CHAMPIONS WAY
41	NORTH TEXAS MUNICIPAL WATER DISTRICT	E MELISSA RD
42	NORTH TEXAS MUNICIPAL WATER DISTRICT	
43	NORTH TEXAS MUNICIPAL WATER DISTRICT	4221 E MELISSA RD
44	VAQUERO OR MELISSA PARTNERS LP	
45	G R REAL ESTATE LLC	2530 SAM RAYBURN HWY
46	G R REAL ESTATE LLC	STATE HWY 121
47	OTTEA REVOCABLE TRUST	FM 545
48	BUDGER LLC	2633 E MELISSA RD
49	121 E MELISSA LAND DEVELOPMENT LLC	2727 E MELISSA RD
50	121 E MELISSA LAND DEVELOPMENT LLC	2811 E MELISSA RD
51	LITTERER MIRIAM	2833 E MELISSA RD
52	LITTERER MIRIAM	FM 545
53	ELLIOTT MAUREEN	2645 BRYANT ST
54	DAWSON ELAINE MARIE FAMILY LP THE	2682 BRYANT ST
55	WILSON ANDREW STEPHEN &	3203 E MELISSA RD

Parcel ID	Property Owner Name	Property Address
56	MARCH LESTER R & DEBORAH L	3207 E MELISSA RD
57	RISING WAUKULLA INVESTMENTS LP	3213 E MELISSA RD
58	RISING WAUKULLA INVESTMENTS LP	3225 E MELISSA RD
59	RISING WAUKULLA INVESTMENTS LP	3311 E MELISSA RD
60	RISING WAUKULLA INVESTMENTS LP	3323 E MELISSA RD
61	RISING WAUKULLA INVESTMENTS LP	3329 E MELISSA RD
62	PACESETTER HOMES LLC &	MELISSA, TX 75454
63	HALL JOSHUA SAMUEL & ASHLIE RENAE	2609 SWALLOWTAIL ST
64	DIAMOND DIGS REALTY LLC	3401 PAINTBRUSH PATH
65	GUYTON LILLIAN &	3403 PAINTBRUSH PATH
66	SUN QIFENG & YUE FU	3405 PAINTBRUSH PATH
67	SPANN JOHN MATTHEW & LHAUREN ANN	3407 PAINTBRUSH PATH
68	MATTHEW RANJIT KUMAR & SHIRLEY PRIYA	3409 PAINTBRUSH PATH
69	PORTER CRYSTAL JEAN &	3411 PAINTBRUSH PATH
70	KIM DONG HYUN	3413 PAINTBRUSH PATH
71	CHIDEBELL OGECHI E	3415 PAINTBRUSH PATH
72	BANKS KAREN &	3417 PAINTBRUSH PATH
73	PACESETTER HOMES LLC	3505 PAINTBRUSH PATH
74	CANAVIER JOSHUA MICHAEL & SAIVARIN	3507 PAINTBRUSH PATH
75	ALEXANDER NATASHA &	3509 PAINTBRUSH PATH
76	WANG XIN & YANAN YU	3511 PAINTBRUSH PATH
77	HWANG SOOMIN & SOYEON KIM	3513 PAINTBRUSH PATH
78	AKHARE ABHIRAJ VINAYAKRAO & RUCHITA	3515 PAINTBRUSH PATH
79	STAFFORD DARRELL EDWARD JR	3517 PAINTBRUSH PATH
80	MULLAGURI RUPENDRACHOWDARY & VINUSHA PULEGUNDLA	3519 PAINTBRUSH PATH
81	PACESETTER HOMES LLC &	MELISSA, TX 75454
82	HARLAN PROPERTIES INC	FM 545
83	PACESETTER HOMES LLC	2607 LOVEGRASS LN
84	PACESETTER HOMES LLC	3801 CREEKDALE DR
85	WACHEL DALTON EDWARD & HALEY MORGAN	3803 CREEKDALE DR
86	PACESETTER HOMES LLC	3805 CREEKDALE DR
87	PACESETTER HOMES LLC	3807 CREEKDALE DR
88	PACESETTER HOMES LLC	3809 CREEKDALE DR
89	PACESETTER HOMES LLC	3811 CREEKDALE DR
90	PACESETTER HOMES LLC	3813 CREEKDALE DR
91	MEADOW RUN HOMEOWNERS ASSOCIATION INC	CREEKDALE DR
92	MEADOW RUN HOMEOWNERS ASSOCIATION INC	MONARCH WAY
93	MEADOW RUN HOMEOWNERS ASSOCIATION INC	MELISSA, TX 75454
94	OLVERA ZACHARY	4005 E MELISSA RD
95	SPECIALTY CONTRACTORS INC	MELISSA RD
96	PACESETTER HOMES LLC &	4005 FEATHERGRASS CT
97	PACESETTER HOMES LLC	4013 SALTGRASS ST
98	PACESETTER HOMES LLC	4015 SALTGRASS ST
99	PACESETTER HOMES LLC &	BUTTON BUSH PATH
100	ADICKAH LORRAINE & OMOKOWAJO DANIEL JOHNSON	4103 SALTGRASS ST
101	JEONG JUSTINE JINHO & NARI	4105 SALTGRASS ST
102	BERRY OSTEN	4107 SALTGRASS ST
103	PACESETTER HOMES LLC	4109 SALTGRASS ST
104	PACESETTER HOMES LLC &	LOST CREEK DR
105	FANT DAVID & GENEVIEVE JONES	4215 E MELISSA RD
106	FR MEADOW PARK LLC	2509 DAISY LN
107	RAYMUNDO ADEELMO	6878 COUNTY ROAD 415
108	NORTHSCAPES PROPERTIES LLC	3759 PRIVATE ROAD 5044
109	MELISSA INDEPENDENT SCHOOL DISTRICT	4390 FM 545
110	ALCARAZ BECKY	2656 BRYANT ST MELISSA

HORIZONTAL ALIGNMENT DATA

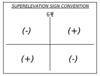
BASELINE	CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
PFM545 (45 MPH)	PFM545_01	44+39.36	7,156,070.79	2,561,183.03	3° 52' 49.29" (RT)	2,000.00'	2° 51' 53.24"	67.75'	135.45'	43+71.60	45+07.05	S 89° 20' 01.73" E	S 85° 27' 12.43" E
	PFM545_02	47+74.36	7,156,044.23	2,561,517.02	3° 44' 42.67" (LT)	2,000.00'	2° 51' 53.24"	65.39'	130.73'	47+08.97	48+39.70	S 85° 27' 12.43" E	S 89° 11' 55.11" E
	PFM545_03	65+91.44	7,156,018.82	2,563,333.98	2° 27' 30.15" (RT)	3,000.00'	1° 54' 35.49"	64.37'	128.72'	65+27.07	66+55.79	S 89° 11' 55.11" E	S 86° 44' 24.96" E
	PFM545_04	73+28.85	7,155,976.88	2,564,070.22	29° 6' 54.46" (LT)	1,210.00'	4° 44' 06.68"	314.22'	614.87'	70+14.63	76+29.50	S 86° 44' 24.96" E	N 64° 8' 40.58" E
	PFM545_05	85+10.76	7,156,498.24	2,565,146.04	29° 54' 14.99" (RT)	1,694.00'	3° 22' 56.20"	452.39'	884.14'	80+58.38	89+42.52	N 64° 8' 40.58" E	S 85° 57' 04.44" E
	PFM545_06	93+83.39	7,156,435.17	2,566,037.07	3° 5' 06.89" (LT)	2,986.00'	1° 55' 07.73"	80.41'	160.79'	93+02.98	94+63.77	S 85° 57' 04.44" E	S 89° 2' 11.33" E
	PFM545_07	118+89.06	7,156,393.03	2,568,542.42	2° 19' 27.88" (RT)	4,014.00'	1° 25' 38.63"	81.43'	162.84'	118+07.63	119+70.47	S 89° 2' 11.33" E	S 86° 42' 43.44" E
	PFM545_08	123+48.64	7,156,366.67	2,569,001.27	2° 17' 12.88" (LT)	4,014.00'	1° 25' 38.63"	80.12'	160.22'	122+68.53	124+28.74	S 86° 42' 43.44" E	S 88° 59' 56.33" E
	PFM545_09	128+97.01	7,156,357.09	2,569,549.58	3° 20' 29.84" (LT)	1,950.00'	2° 56' 17.68"	56.88'	113.73'	128+40.13	129+53.86	S 88° 59' 56.33" E	N 87° 39' 33.83" E
	PFM545_10	131+54.32	7,156,367.60	2,569,806.70	3° 20' 29.84" (RT)	2,050.00'	2° 47' 41.70"	59.80'	119.56'	130+94.52	132+14.08	N 87° 39' 33.83" E	S 88° 59' 56.33" E
	PFM545_11	141+27.48	7,156,350.60	2,570,779.75	49° 38' 45.68" (LT)	890.00'	6° 26' 15.82"	411.67'	771.17'	137+15.81	144+86.98	S 88° 59' 56.33" E	N 41° 21' 17.99" E
	PFM545_12	154+56.80	7,157,387.59	2,571,692.53	40° 20' 05.50" (LT)	1,100.00'	5° 12' 31.35"	404.01'	774.37'	150+52.79	158+27.17	N 41° 21' 17.99" E	N 1° 1' 12.49" E
	PFM545_13 *	173+36.39	7,159,300.52	2,571,726.60	89° 24' 44.81" (RT)	835.00'	6° 51' 42.37"	826.48'	1303.05'	165+09.91	178+12.96	N 1° 1' 12.49" E	S 89° 34' 02.70" E
PEBFM545 (45 MPH)	PEB545_01	36+56.85	7,156,072.34	2,560,404.35	1° 53' 39.87" (RT)	2,000.00'	2° 51' 53.24"	33.07'	66.13'	36+23.78	36+89.91	S 89° 20' 01.73" E	S 87° 26' 21.86" E
	PEB545_02	42+16.47	7,156,047.34	2,560,963.42	1° 53' 39.87" (LT)	2,000.00'	2° 51' 53.24"	33.07'	66.13'	41+83.41	42+49.53	S 87° 26' 21.86" E	S 89° 20' 01.73" E
	PEB545_03	44+57.65	7,156,044.54	2,561,204.58	2° 2' 12.16" (RT)	3,500.00'	1° 38' 13.28"	62.21'	124.42'	43+95.43	45+19.85	S 89° 20' 01.73" E	S 87° 17' 49.56" E
	PEB545_04	46+66.70	7,156,034.68	2,561,413.41	1° 54' 05.54" (LT)	3,500.00'	1° 38' 13.28"	58.08'	116.16'	46+08.61	47+24.77	S 87° 17' 49.56" E	S 89° 11' 55.11" E
PWBFM545 (45 MPH)	PWB545_01	44+34.57	7,156,078.34	2,561,178.32	1° 45' 55.38" (RT)	3,500.00'	1° 38' 13.28"	53.92'	107.84'	43+80.64	44+88.49	S 89° 20' 01.73" E	S 87° 34' 06.35" E
	PWB545_02	46+58.62	7,156,068.84	2,561,402.18	1° 37' 48.76" (LT)	3,501.00'	1° 38' 11.60"	49.81'	99.61'	46+08.81	47+08.42	S 87° 34' 06.35" E	S 89° 11' 55.11" E
PWHISPERING (30 MPH)	PWHISPERING_01	11+40.91	7,156,136.10	2,563,908.22	21° 19' 37.93" (RT)	150.00' **	38° 11' 49.87"	28.24'	55.83'	11+12.67	11+68.50	N 2° 7' 05.04" E	N 23° 26' 42.97" E
PBRYANT (45 MPH)	PBRYANT_01	13+46.53	7,156,123.53	2,564,520.80	31° 34' 51.33" (LT)	100.00' **	57° 17' 44.81"	28.28'	55.12'	13+18.25	13+73.37	N 8° 22' 33.11" E	N 23° 12' 18.22" W
PFM2933 (45 MPH)	PFM2933_01	13+16.59	7,155,920.32	2,565,778.85	8° 18' 59.11" (LT)	1,100.00'	5° 12' 31.35"	79.97'	159.66'	12+36.62	13+96.29	N 3° 48' 32.99" E	N 4° 30' 26.12" W
	PFM2933_02	14+75.48	7,156,078.99	2,565,766.34	8° 14' 06.79" (RT)	1,100.00'	5° 12' 31.35"	79.19'	158.10'	13+96.29	15+54.39	N 4° 30' 26.12" W	N 3° 43' 40.67" E
	PFM2933_03	18+12.88	7,156,415.96	2,565,788.30	3° 30' 37.00" (LT)	2,050.00'	2° 47' 41.70"	62.82'	125.60'	17+50.07	18+75.66	N 3° 43' 40.67" E	N 0° 13' 03.67" E
	PFM2933_04	20+59.13	7,156,662.24	2,565,789.23	3° 26' 23.71" (RT)	1,100.00'	5° 12' 31.35"	33.03'	66.04'	20+26.10	20+92.14	N 0° 13' 03.67" E	N 3° 39' 27.38" E
	PFM2933_05	24+33.98	7,157,036.35	2,565,813.15	3° 50' 45.94" (LT)	2,000.00'	2° 51' 53.24"	67.15'	134.25'	23+66.83	25+01.08	N 3° 39' 27.38" E	N 0° 11' 18.56" W
PPOPPY (30 MPH)	PPOPPY_01	11+31.66	7,156,311.95	2,566,509.45	0° 36' 27.05" (RT)	5,000.00'	1° 8' 45.30"	26.51'	53.02'	11+05.15	11+58.17	N 0° 43' 59.18" E	N 1° 20' 26.22" E
PGREER (30 MPH)	PGREER_01	19+70.46	7,156,771.99	2,567,693.16	56° 55' 03.37" (RT)	450.00' **	12° 43' 56.62"	243.91'	447.03'	17+26.55	21+73.58	N 0° 59' 31.76" E	N 57° 54' 35.12" E
PMONARCH (30 MPH)	PMONARCH_01	11+84.37	7,156,330.96	2,568,315.53	0° 16' 36.44" (LT)	12,500.00'	0° 27' 30.12"	30.19'	60.39'	11+54.18	12+14.57	N 0° 40' 23.29" E	N 0° 23' 46.85" E
PBUTTON (30 MPH)	PBUTTON1_01	11+31.39	7,156,240.37	2,569,631.70	0° 11' 01.51" (RT)	12,000.00'	0° 28' 38.87"	19.24'	38.49'	11+12.14	11+50.63	N 0° 53' 56.22" E	N 1° 4' 57.74" E
PCHAMPIONS_W (30 MPH)	PCHAMPIONS-W_01	12+81.08	7,156,305.03	2,570,116.35	2° 33' 21.54" (RT)	1,050.00'	5° 27' 24.27"	23.42'	46.84'	12+57.65	13+04.49	N 0° 42' 07.11" E	N 3° 15' 28.64" E
	PCHAMPIONS-W_02	14+86.94	7,156,510.57	2,570,128.05	62° 47' 08.80" (RT)	100.00' **	57° 17' 44.81"	61.02'	109.58'	14+25.92	15+35.50	N 3° 15' 28.64" E	N 66° 2' 37.45" E
PCR415 (30 MPH)	PCR415_01	12+00.53	7,156,211.62	2,571,132.97	37° 34' 21.36" (LT)	132.00' **	43° 24' 21.22"	44.90'	86.56'	11+55.63	12+42.19	N 3° 32' 25.41" W	N 41° 6' 46.77" W

*PROPOSED RADIUS BY OTHER PROJECT (CSJ 1012-02-043)
**HORIZONTAL CURVE RADIUS MATCHES EXISTING ALIGNMENT.

SUPERELEVATION DATA

CHAIN	BEGIN TRANSITION		END TRANSITION	
	STA	e	STA	e
PFM545 - WB	67+49.00	2.00%	67+80.00	2.50%
PFM545 - WB	69+75.00	2.50%	70+06.00	2.00%
PFM545 - WB	73+00.00	2.00%	73+30.00	2.50%
PFM545 - WB	75+55.00	2.50%	75+85.00	2.00%
PFM545 - WB	88+72.00	2.00%	91+00.00	-1.00%
PFM545 - WB	92+50.00	-1.00%	95+14.00	2.00%
PFM545 - WB	108+74.00	2.00%	109+65.00	0.50%
PFM545 - WB	111+05.00	0.50%	111+96.00	2.00%
PFM545 - WB	155+09.00	2.00%	156+60.00	-0.50%
PFM545 - WB	157+80.00	-0.50%	159+31.00	2.00%
PFM545 - WB	163+69.00	2.00%	165+51.00	-6.00%
PFM545 - EB	67+91.00	-2.00%	68+20.00	-2.50%
PFM545 - EB	70+10.00	-2.50%	70+40.00	-2.00%
PFM545 - EB	72+99.66	-2.00%	73+30.00	-2.50%
PFM545 - EB	75+25.00	-2.50%	75+55.34	-2.00%
PFM545 - EB	90+25.00	-2.00%	91+00.00	-1.00%
PFM545 - EB	92+50.00	-1.00%	93+31.00	-2.00%
PFM545 - EB	108+52.00	-2.00%	109+65.00	-0.50%
PFM545 - EB	111+05.00	-0.50%	111+96.00	-2.00%
PFM545 - EB	135+40.00	-2.00%	137+93.00	2.00%
PFM545 - EB	144+13.00	2.00%	146+66.00	-2.00%
PFM545 - EB	155+47.00	-2.00%	156+60.00	-0.50%
PFM545 - EB	157+80.00	-0.50%	158+75.00	-2.00%
PFM545 - EB	164+42.00	-2.00%	165+33.00	-6.00%

SUPERELEVATION SIGN CONVENTION



TURN LENGTH TABLE

Turn Lane	Taper Length (Ft.)	Decel. Length (Ft.)	Storage Length (Ft.)	Total Length (Ft.)
Right Turn Bay Length				
RT1	100	340	340	680
RT2	100	340	100	440
RT3	100	340	100	440
RT4	100	205	100	305
RT5	100	340	100	440
RT6	100	340	100	440
Left Turn Bay Lengths				
LT 1	100	340	100	440
LT2	100	340	100	440
LT3	150	440	100	540
LT4	100	340	100	440
LT5	100	340	100	440
LT6	100	340	100	440
LT7	100	340	380	720
LT8	100	340	100	440
LT9	100	340	100	440
LT10	150	340	100	440
LT11	100	340	100	440
LT12	100	340	100	440
LT13	100	340	100	440
LT14	100	340	100	440
LT15	100	340	100	440
LT16	100	340	100	440

Texas Department of Transportation
DALLAS DISTRICT
CEASON CLEMENS P.E., DISTRICT ENGINEER

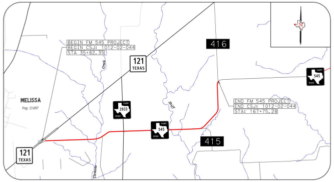
FM 545 (EAST MELISSA ROAD) PROJECT
60% SUBMITTAL (REVISED)
FROM SH 121 TO CR 416
LENGTH: 2.50 MILES
COLLIN COUNTY, TEXAS
CSJ: 1012-02-044

JULY 2026
ROLL 1 OF 2

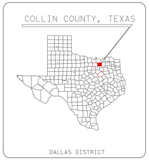
DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED	ADT
FM 545	MINOR ARTERIAL	45	15,547(2024) 31,150(2055)
FM 2933	URBAN COLLECTOR STREET	45	-
CR 415	LOCAL	40	-
ALL OTHER CROSS STREETS	LOCAL	*MOIEC	-

*MEET OR IMPROVE EXISTING CONDITIONS


BEGIN FM 545 PROJECT
BEGIN CSJ: 1012-02-044
STA 35+82.35
416
121
TEXAS
MELISSA
2933
545
END FM 545 PROJECT
END CSJ: 1012-02-044
STA: 167+75.28
415
121
TEXAS

VICINITY MAP
N.T.S.


COLLIN COUNTY, TEXAS
DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

PRELIMINARY
FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	PE#	Date
MARIA F. GUERRA	121650	07/20/26

HALFF ASSOCIATES, INC.
TBPELS FIRM #F-312

DATE SUBMITTED:

DATE APPROVED: XXXXX

0 5 10 15 20
SCALE: 1"=10'
VERTICAL SCALE

0 50 100 150 200
SCALE: 1"=100'
HORIZONTAL SCALE

halff
2380 PERFORMANCE DRIVE
BLDG C, SUITE 150
RICHARDSON, TEXAS 75082
TEL (214) 346-6200
FAX (214) 739-0095

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