Texas Department of Transportation

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DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

FM 663
60% DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS
FM 663 FROM FM 875 TO US 287
CSJ: 0815-08-040
LENGTH: 3.48 MILES
DATED: APRIL 2025

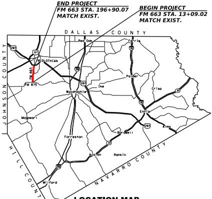
ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 663	45 MPH	MINOR ARTERIAL
FM 875	45 MPH	MAJOR COLLECTOR
US 287 EB FR	40 MPH	PRINCIPAL ARTERIAL
LOCAL STREETS	30 MPH	LOCAL

TXDOT RDM (2024) CHAPTER 4 BASIC DESIGN CRITERIA
(LEVEL TERRAIN)

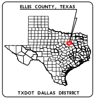
INDEX OF SHEETS

ROLL 1 OF 4 PLAN AND PROFILE VIEW STA 13+09.02 TO STA 80+00
ROLL 2 OF 4 PLAN AND PROFILE VIEW STA 80+00 TO STA 150+00
ROLL 3 OF 4 PLAN AND PROFILE VIEW STA 150+00 TO STA 196+90.07
ROLL 4 OF 4 SUPPLEMENTAL SIDE STREET PROFILES

ROLL 3 OF 4


END PROJECT
FM 663 STA. 196+90.07
MATCH EXIST.
BEGIN PROJECT
FM 663 STA. 13+09.02
MATCH EXIST.
DALLAS COUNTY
JOHNSON COUNTY
HILL COUNTY
NAVARRO COUNTY
Red Oak
Ferris
MIDLOTHIAN
FM 663
FM 875
Palmer
Waxahachie
Crisp
Ike
Maypearl
Ennis
Forreston
Bardwell
Alma
Avalon
Rankin
Italy
Milford

LOCATION MAP
N.T.S.


ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

LEGEND

EXISTING RIGHT OF WAY LINE	PROPOSED CONCRETE PAVEMENT
PROPOSED RIGHT OF WAY LINE	PROPOSED DRIVEWAY
EXISTING LANDSCAPE EASEMENT BY OTHERS	PROPOSED SIDEWALK/SHARED USE PATH
CENTERLINE	ADJACENT PROJECT - BY OTHERS
PARCEL LINE	PROPOSED RAISED MEDIAN
CITY/COUNTY BOUNDARY LINE	← PROPOSED LANES
PROPOSED DRAINAGE STRUCTURE	# PARCEL IDENTIFYING NUMBER
DIRECTION OF FLOW	PROPOSED RETAINING WALL
G EXISTING GAS LINE	CURB WALL
C EXISTING TELEPHONE/CABLE/FIBER LINE	METAL BEAM GUARD FENCE (MBGF)
E EXISTING ELECTRIC LINE	POTENTIAL DISPLACEMENT
PL EXISTING PETROLEUM LINE	PROPOSED RIP RAP
WW EXISTING SANITARY SEWER LINE	EXISTING TRAFFIC SIGNAL
SD EXISTING STORM DRAIN LINE	
W EXISTING WATER LINE	
OH EXISTING OH ELECTRIC LINE	
LEVEL B - SUE	
☒ LEVEL C - SUE	
(X) LEVEL D - SUE	

PRELIMINARY
FOR INTERIM REVIEW ONLY

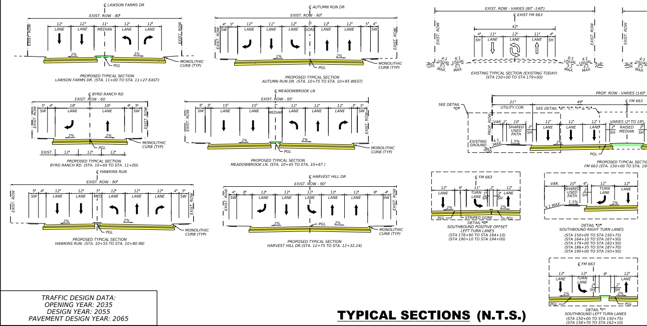
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND REGULATORY APPROVAL. THEY ARE NOT INTENDED FOR PERMITTING,BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

RANDY L GROS, PE	134559	4/28/2025
NAME	P.E. NO.	DATE

SCALE:
1" = 100' HORIZONTAL
1" = 10' VERTICAL

GARVER
3000 INTERNET BLVD.
SUITE 400
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713


℄ LAWSON FARMS DR
EXIST. ROW - 80'
12' LANE
12' LANE
11' MEDIAN
12' LANE
12' LANE
EXIST. ROW
2%
PGL
MONOLITHIC CURB (TYP)
℄ AUTUMN RUN DR
EXIST. ROW - 90'
4' SW
5'
12' LANE
11' LANE
12' LANE
5' GORE
12' LANE
12' LANE
5'
4' SW
℄ BYRD RANCH RD
EXIST. ROW - 60
5' SW
4'
18' LANE
18' LANE
4'
5' SW
EXIST. 12' 12' 12'
℄ MEADOWBROOK LN
EXIST. ROW - 95'
5' SW
3'
15' LANE
15' LANE
7' MEDIAN
12' LANE
12' LANE
12' LANE
3'
5' SW
℄ HAWKINS RUN
EXIST. ROW - 90'
5' SW
4'
12' LANE
12' LANE
5' MED
12' LANE
12' LANE
12' LANE
4'
5' SW
℄ HARVEST HILL DR
EXIST. ROW - 90'
4' SW
8'
12' LANE
12' LANE
12' LANE
12' LANE
12' LANE
8'
4' SW
EXIST. ROW - VARIES (80' -140')
℄ EXIST FM 663
42'
4' SH
11' LANE
12' LANE
11' LANE
4' SH
4:1 USUAL 3:1 MAX.
6:1 USUAL 3:1 MAX.
PROP. ROW - VARIES (140'
℄ FM 663
SEE DETAIL "D"
21' UTILITY COR.
49'
SEE DETAIL "B", "C", "F" & "G"
PROP. ROW
VAR. 2'
10' SHARED USED PATH
2' SH
12' LANE
12' LANE
12' LANE
VARIES (2' TO 18')
2' SH
RAISED MEDIAN
2' SH
EXISTING GROUND
4:1 MAX.
1.5%
PGL
STRIPED GORE
12' LANE
6'
11' TURN LANE
1' SH
2'
2' SH
12' LANE
VAR.
10' SHARED USED PATH
4'
2' SH
12' TURN LANE
12' LANE
4:1 MAX.
12' LANE
12' TURN LANE
2' SH
6'
2' SH
12' LANE

PROPOSED TYPICAL SECTION
LAWSON FARMS DR. (STA. 11+00 TO STA. 11+27 EAST)

PROPOSED TYPICAL SECTION
AUTUMN RUN DR. (STA. 10+75 TO STA. 10+95 WEST)

PROPOSED TYPICAL SECTION
BYRD RANCH RD. (STA. 10+69 TO STA. 11+00)

PROPOSED TYPICAL SECTION
MEADOWBROOK LN. (STA. 10+45 TO STA. 10+87)

PROPOSED TYPICAL SECTION
HAWKINS RUN. (STA. 10+55 TO STA. 10+80.98)

PROPOSED TYPICAL SECTION
HARVEST HILL DR.(STA. 12+75 TO STA. 12+32.24)

EXISTING TYPICAL SECTION (EXISTING TODAY)
(STA 150+00 TO STA 179+00)

PROPOSED TYPICAL SECTIO
FM 663 (STA. 150+00 TO STA. 19

DETAIL "B"
SOUTHBOUND POSITIVE OFFSET
LEFT TURN LANES
(STA 178+90 TO STA 184+10)
(STA 190+10 TO STA 194+00)

DETAIL "D"
SOUTHBOUND RIGHT TURN LANES
(STA 150+00 TO STA 150+75)
(STA 164+10 TO STA 167+50)
(STA 179+00 TO STA 183+50)
(STA 186+35 TO STA 187+70)
(STA 190+00 TO STA 193+50)

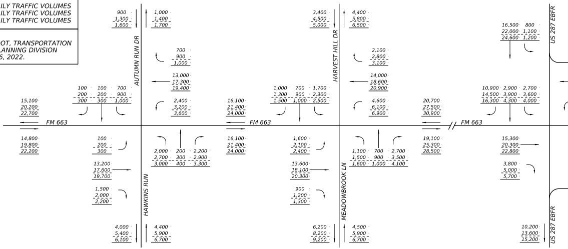
DETAIL "F"
SOUTHBOUND LEFT TURN LANES
(STA 150+00 TO STA 150+75)
(STA 158+70 TO STA 162+10)

TYPICAL SECTIONS (N.T.S.)

TRAFFIC DESIGN DATA:
OPENING YEAR: 2035
DESIGN YEAR: 2055
PAVEMENT DESIGN YEAR: 2065

LEGEND:
XXXX 2035 AVERAGE DAILY TRAFFIC VOLUMES
XXXX 2055 AVERAGE DAILY TRAFFIC VOLUMES
XXXX 2065 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
SOURCE OF DATA: TXDOT, TRANSPORTATION PROGRAMMING AND PLANNING DIVISION MEMORANDUM, MAY 26, 2022.


AUTUMN RUN DR
HAWKINS RUN
HARVEST HILL DR
MEADOWBROOK LN
FM 663
US 287 EBFR
900 1,300 1,600
1,000 1,400 1,700
700 900 1,000
13,000 17,300 19,400
100 200 300
100 200 300
700 900 1,000
15,100 20,200 22,700
2,400 3,200 3,600
14,800 19,800 22,200
100 200 300
13,200 17,600 19,700
1,500 2,000 2,200
2,000 2,700 3,000
200 300 400
2,200 2,900 3,300
4,000 5,400 6,100
4,400 5,900 6,700
16,100 21,400 24,000
16,100 21,400 24,000
3,400 4,500 5,000
4,400 5,800 6,500
2,100 2,800 3,100
14,000 18,600 20,900
1,000 1,300 1,500
700 900 1,000
1,700 2,300 2,500
4,600 6,100 6,900
1,600 2,100 2,400
13,600 18,100 20,300
900 1,200 1,300
1,100 1,500 1,600
700 900 1,000
2,700 3,500 4,100
6,200 8,200 9,200
4,500 5,900 6,700
20,700 27,500 30,900
19,100 25,300 28,500
16,500 22,000 24,600
800 1,100 1,200
10,900 14,500 16,300
2,900 3,900 4,300
2,700 3,600 4,000
15,300 20,300 22,800
3,800 5,000 5,700
10,200 13,600 15,200

PROPERTY OWNERS		
PARCEL NO.	OWNER	PROPERTY IMPACT
138	KEMP DONNA J B (124737)	
139	MILLER DALE R & SYLVIA L (36719)	
140	LAWSON MIDLOTHIAN HOMEOWNERS ASSOCIATION (71571)	
141	MILLER DALE R & SYLVIA L (206902)	
142	BRYANT CHARLES & JUANITA L/E (127058)	
143	RINESS HOLDINGS LLC (169828)	
144	BUCHANAN DAVID D & LEONA L (119329)	
145	BANNISTER JOSEPH & ANNE-MARIE (193270)	
146	FKH SFK PROPCO I L P (196294)	
147	OLSZEWSKI DAWN & CHRIS (117802)	
148	RINESS HOLDINGS LLC (169828)	
149	FORD RANDLE & RUTH K (113796)	
150	YEANEY BRYAN S & JENNIFER E (213640)	
151	JOHNSON MICHAEL & ANNTOINETTE (173001)	
152	REYNOLDS MATTHEW A & MARION E (144720)	
153	GIVENS KATHARINA E JAQUITH (142527)	
154	LAWSON MIDLOTHIAN HOMEOWNERS ASSOCIATION INC (153651)	
155	KING ALFRED L & COLETTE (204250)	
156	LEUBNER CARL W (118676)	
157	ADEBIYI ADEOLA (186145)	
158	RAMOS KRYSTAL L & NICHOLAS D (182372)	
159	WHITAKER MICHAEL D & SALLY G (212332)	
160	PETERSON FREDERICK & JENNIFER (179687)	
161	MCGINN JAMIE & JASON (179742)	
162	SHONE GARY & SARALYN SHONE (204085)	
163	KOVAR CODY D & ADAMSKI LEIGH J (182692)	
164	ROBERTSON PAMELA P TRUST (189223)	
165	BYRD ALLEN SR & CYNTHIA (144192)	
166	HOLTZ ROBERT P III & JAMIE N GALLAS (198384)	
167	MIDLOTHIAN MUNICIPAL MANAGEMENT DISTRICT NO 3 (194370)	
168	MIDLOTHIAN 7-11LLC (174667)	
169	MIDLOTHIAN AF RE LLC (163517)	
170	GUMMADI FAMILY PROPERTIES LLC (219218)	
171	SMART JAMES H SR & MARY T (153937)	
172	COOPER JAMES H & ANDREA W (198491)	
173	WMG EXCHANGE 1LLC (205526)	
174	KROGER TEXAS LP (153042)	
175	BLUEGRASS BOYS RANCH INC (218680)	
176	2251FM 663MIDLOTHIAN LLC (195938)	
177	MIDLOTHIAN CITY OF (18577)	
178	MIDLOTHIAN CITY OF (18577)	
179	AMIN REAL ESTATES LLC (203350)	
180	FTR TEXAS LLC (207787)	
181	MIDLO YOUNGER LLC (215794)	
182	UNITED STATES BEEF CORPORATION (172901)	
183	RBG VET PROPERTIES LLC (159480)	
184	LAGNIAPPE DEVELOPMENT INC A TEXAS CORPORATION (105304)	
185	HEB GROCERY COMPANY LP (125999)	
186	MIDLOTHIAN 9TH STREET MOB LLC (187994)	
187	MIDLOTHIAN SHOPS INC (178406)	
188	HAWKINS MEADOW LTD (75395)	
189	MIDLOTHIAN CITY OF (33347)	
190	ONCOR ELECTRIC DELIVERY COMPANY (43663)	
191	HM MIDTOWNE OWNER LP (206644)	

PARCEL OWNER INFORMATION TABLE

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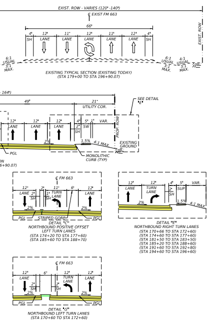
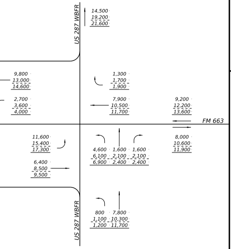
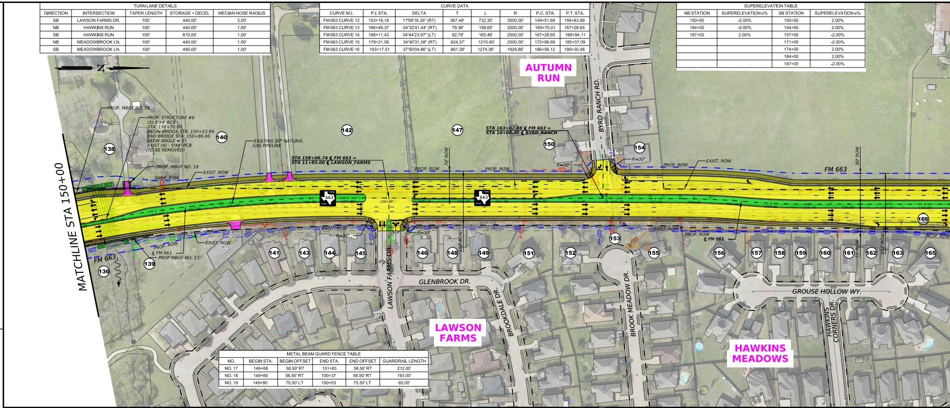

EXIST. ROW - VARIES (120' -140')
℄ EXIST FM 663
66'
4' SH
12' LANE
11' LANE
12' LANE
11' LANE
12' LANE
4' SH
6:1 USUAL 3:1 MAX.
4:1 USUAL 3:1 MAX.
EXIST. ROW
EXISTING TYPICAL SECTION (EXISTING TODAY)
(STA 179+00 TO STA 196+90.07)
- 164')
49'
21'
UTILITY COR.
SEE DETAIL "E"
12' LANE
4' 2' SH
5' SW
1'
VAR.
PROP. ROW
2%
1.5%
4:1 MAX
EXISTING GROUND
PGL
MONOLITHIC CURB (TYP)
ON
6+90.07)
℄ FM 663
2' SH
1' SH
11' TURN LANE
6'
STRIPED GORE
DETAIL "C"
NORTHBOUND POSITIVE OFFSET
LEFT TURN LANES
(STA 174+20 TO STA 177+60)
(STA 185+60 TO STA 188+70)
12' TURN LANE
SUP
DETAIL "E"
NORTHBOUND RIGHT TURN LANES
(STA 170+66 TO STA 172+60)
(STA 174+60 TO STA 177+60)
(STA 181+50 TO STA 183+50)
(STA 185+20 TO STA 188+60)
(STA 191+60 TO STA 192+80)
(STA 194+60 TO STA 196+60)
DETAIL "G"
NORTHBOUND LEFT TURN LANES
(STA 170+60 TO STA 172+60)


US 287 WBFR
14,500
19,200
21,600
9,800
13,000
14,600
1,300
1,700
1,900
2,700
3,600
4,000
7,900
10,500
11,700
9,200
12,200
13,600
FM 663
11,600
15,400
17,300
4,600
6,100
6,900
1,600
2,100
2,400
1,600
2,100
2,400
8,000
10,600
11,900
6,400
8,500
9,500
800
1,100
1,200
7,800
10,300
11,700
US 287 WBFR

CHEMATIC GENERAL NOTES

EXISTING ROW FOR FM 663 IS APPARENT ROW PROVIDED BY ELLIS COUNTY APPRAISAL DIST, NOT PER DEED RESEARCH.
AERIAL FLIGHT AND TOPOGRAPHICAL DATE - MARCH 2024.
TRAFFIC APPROVED BY TXDOT DALLAS DISTRICT AND REVIEWED BY TP&P ON 06-21-2024.
ALL CURBS ARE TYPE II (UNLESS NOTED OTHERWISE)
CONVENTIONAL ROADWAY SIGNAGES (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM ELLIS COUNTY APPRAISAL DISTRICT.
THE NATIONAL FLOOD HAZARD LAYER (NFHL) WAS CHECKED AND ALL THE CROSSINGS WERE FOUND TO BE FEMA ZONE X. THE NFHL DATA INCORPORATES ALL FLOOD INSURANCE RATE MAP(FIRM) DATABASES PUBLISHED BY THE FEMA, AND ANY LETTERS OF MAP REVISION (LOMR) THAT HAVE BEEN ISSUED AGAINST THOSE DATABASES SINCE THEIR PUBLICATION DATE. IT IS UPDATED ON A MONTHLY BASIS. THE FIRM DATABASE IS THE DIGITAL, GEOSPATIAL VERSION OF THE FLOODHAZARD INFORMATION SHOWN ON THE PUBLISHED PAPER FIRMS.
PROVIDE MEDIAN OPENINGS AT CROSS-STREETS INTERSECTIONS.
DETERMINE REMAINING MEDIAN CUTS, PREFERABLY VIA CITY COUNCIL ACTION. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.
DESIGN IS SUBJECT TO CHANGE.


N
MATCHLINE STA 150+00
PROP. MBGF NO. 18
PROP. STRUCTURE #6
(5)-5'X4' RCB
STA. 150+70.00
BEGIN BRIDGE STA. 150+53.94
END BRIDGE STA. 150+86.06
SKEW ANGLE = 5°
EXIST (4) - 5'X4' RCB
(TO BE REMOVED)
PROP. MBGF NO. 19
EXIST. ROW
PROP. ROW
EXISTING 30" NATURAL GAS PIPELINE
STA 158+06.74 ℄ FM 663 =
STA 11+85.00 ℄ LAWSON_FARMS
STA 163+62.88 ℄ FM 663 =
STA 10+00.00 ℄ BYRD_RANCH
BYRD RANCH RD.
AUTUMN RUN
R=30'
70' ROW
80' ROW
FM 663
PROP. ROW
℄ FM 663
PROP MBGF NO. 17
FM 663
LAWSON FARMS DR.
GLENBROOK DR.
BROOKDALE DR.
BROOK MEADOW DR.
GROUSE HOLLOW WY.
HAWKINS CORNERS DR.
LAWSON FARMS
HAWKINS MEADOWS
136
138
139
140
141
142
143
144
145
146
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148
149
150
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152
153
154
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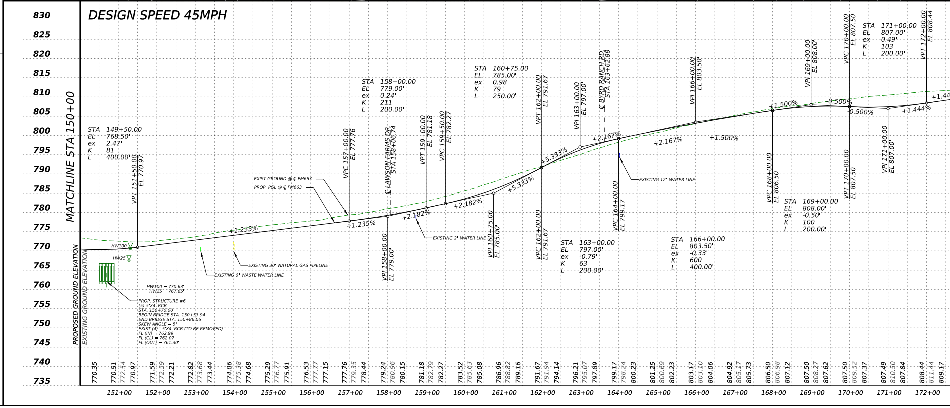
163
165
166

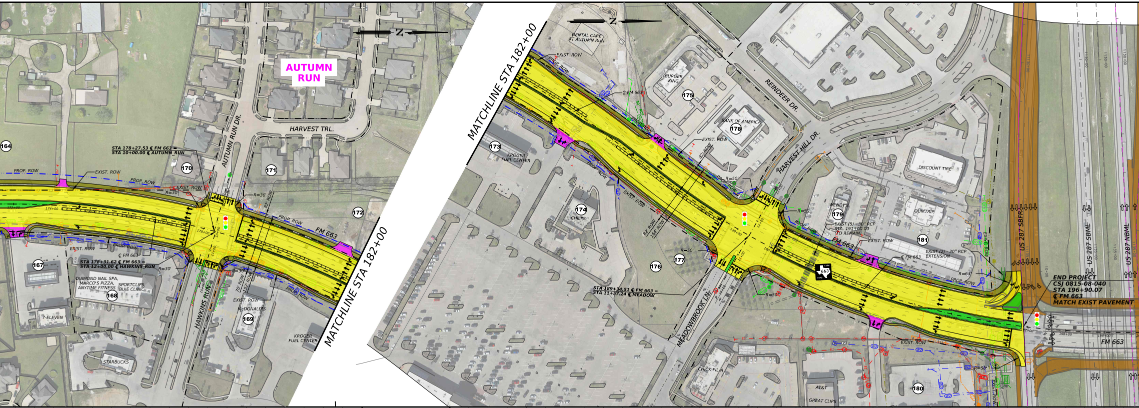
TURN LANE DETAILS				
DIRECTION	INTERSECTION	TAPER LENGTH	STORAGE + DECEL	MEDIAN NOSE RADIUS
SB	LAWSON FARMS DR.	100'	440.00'	3.00'
NB	HAWKINS RUN	100'	440.00'	1.00'
SB	HAWKINS RUN	100'	610.00'	1.00'
NB	MEADOWBROOK LN.	100'	440.00'	1.00'
SB	MEADOWBROOK LN.	100'	490.00'	1.00'

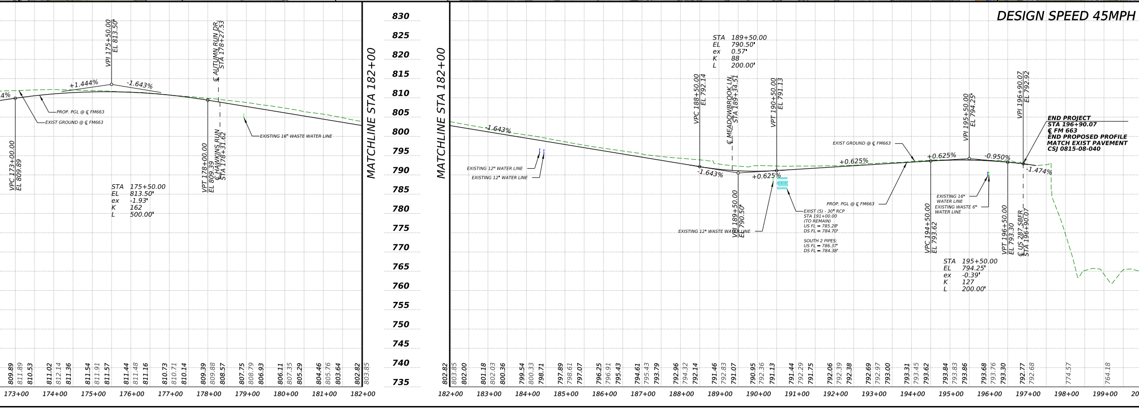
CURVE DATA							
CURVE NO.	P.I. STA.	DELTA	T	L	R	P.C. STA.	P.T. STA.
FM 663 CURVE 12	153+19.18	11°59'16.35" (RT)	367.49'	732.30'	3500.00'	149+51.69	156+83.99
FM 663 CURVE 13	166+49.37	04°32'41.44" (RT)	79.36'	158.65'	2000.00'	165+70.01	167+28.65
FM 663 CURVE 14	168+11.43	04°44'23.97" (LT)	82.78'	165.46'	2000.00'	167+28.65	168+94.11
FM 663 CURVE 15	179+21.06	34°40'31.38" (RT)	624.37'	1210.40'	2000.00'	172+96.69	185+07.09
FM 663 CURVE 16	193+17.51	37°50'04.86" (LT)	661.39'	1274.36'	1929.86'	186+56.12	199+30.48

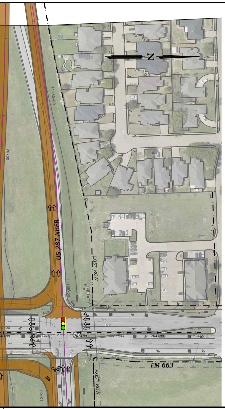
SUPERELEVATION TABLE			
NB STATION	SUPERELEVATION e%	SB STATION	SUPERELEVATION e%
150+50	-2.00%	150+50	2.00%
184+00	-2.00%	154+50	2.00%
187+00	2.00%	157+50	-2.00%
		171+00	-2.00%
		174+00	2.00%
		184+00	2.00%
		187+00	-2.00%

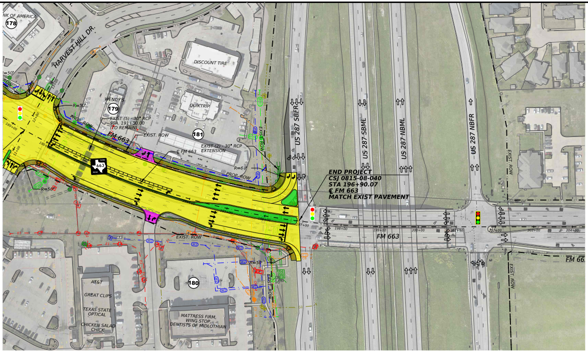
METAL BEAM GUARD FENCE TABLE					
NO.	BEGIN STA.	BEGIN OFFSET	END STA.	END OFFSET	GUARDRAIL LENGTH
NO. 17	149+68	58.50' RT	151+83	58.50' RT	212.00'
NO. 18	149+60	58.50' RT	150+37	58.50' RT	193.00'
NO. 19	149+90	75.50' LT	150+53	75.50' LT	65.00'



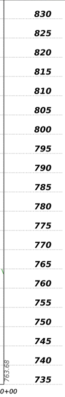

AUTUMN RUN
HARVEST TRL.
AUTUMN RUN DR.
HAWKINS RUN
FM 663
STA 178+27.53 ℄ FM 663 = STA 10+00.00 ℄ AUTUMN RUN
STA 178+31.62 ℄ FM 663 = STA 12+00.00 ℄ HAWKINS RUN
PROP. ROW
EXIST. ROW
R=30'
DIAMOND NAIL SPA, MARCO'S PIZZA, ANYTIME FITNESS
SPORTCLIPS, BUIE CLINIC
7-ELEVEN
STARBUCKS
McDONALD'S
KROGER FUEL CENTER
MATCHLINE STA 182+00
164
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
DENTAL CARE AT AUTUMN RUN
BURGER KING
BANK OF AMERICA
REINDEER DR.
HARVEST HILL DR.
DISCOUNT TIRE
WENDY'S
QUIKTRIP
CHILI'S
MEADOWBROOK LN.
CHICK-FIL-A
AT&T
GREAT CLIPS
STA 189+34.51 ℄ FM 663 = STA 11+57.24 ℄ MEADOW
EXIST (5) - 30" RCP STA 191+00.00 (TO REMAIN)
EXIST (2) - 30" RCP EXTENSION
R=50'
R=63'
US 287 SBFR
US 287 SBML
US 287 NBML
END PROJECT
CSJ 0815-08-040
STA 196+90.07
℄ FM 663
MATCH EXIST PAVEMENT

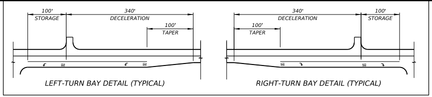

DESIGN SPEED 45MPH
VPI 175+50.00 EL 813.50'
+1.444%
-1.643%
VPC 173+00.00 EL 809.89
VPT 178+00.00 EL 809.39
℄ AUTUMN RUN DR STA 178+27.53
℄ HAWKINS RUN STA 178+31.62
PROP. PGL @ ℄ FM663
EXIST GROUND @ ℄ FM663
EXISTING 16" WASTE WATER LINE
STA 175+50.00
EL 813.50'
ex -1.93'
K 162
L 500.00'
MATCHLINE STA 182+00
830
825
820
815
810
805
800
795
790
785
780
775
770
765
760
755
750
745
740
735
STA 189+50.00
EL 790.50'
ex 0.57'
K 88
L 200.00'
-1.643%
EXISTING 12" WATER LINE
EXISTING 12" WATER LINE
VPC 188+50.00 EL 792.14
℄ MEADOWBROOK LN. STA 189+34.51
VPI 189+50.00 EL 790.50'
VPT 190+50.00 EL 791.13
+0.625%
EXISTING 12" WASTE WATER LINE
EXIST (5) - 30" RCP STA 191+00.00 (TO REMAIN) US FL = 785.28' DS FL = 784.70'
SOUTH 2 PIPES: US FL = 786.37' DS FL = 784.38'
PROP. PGL @ ℄ FM663
EXIST GROUND @ ℄ FM663
VPC 194+50.00 EL 793.62
VPI 195+50.00 EL 794.25'
VPT 196+50.00 EL 793.30
VPI 196+90.07 EL 792.92
℄ US 287 SBFR STA 196+90.07
+0.625%
-0.950%
-1.474%
EXISTING 16" WATER LINE
EXISTING WASTE 6" WATER LINE
STA 195+50.00
EL 794.25'
ex -0.39'
K 127
L 200.00'
END PROJECT
STA 196+90.07
℄ FM 663
END PROPOSED PROFILE
MATCH EXIST PAVEMENT
CSJ 0815-08-040
809.89 811.89 810.53 811.02 812.14 811.36 811.54 811.91 811.57 811.44 811.48 811.16 810.73 810.71 810.14 809.39 809.88 808.57 807.75 808.79 806.93 806.11 807.35 805.29 804.46 805.76 803.64 802.82 803.85
802.82 803.85 802.00 801.18 802.03 800.36 799.54 800.33 798.71 797.89 798.61 797.07 796.25 796.91 795.43 794.61 795.43 793.79 792.96 794.32 792.14 791.46 792.83 791.07 790.95 792.36 791.13 791.44 792.29 791.75 792.06 792.39 792.38 792.69 792.97 793.00 793.31 793.45 793.62 793.84 793.83 793.86 793.68 793.76 793.30 792.77 792.68 774.57 764.18
173+00 174+00 175+00 176+00 177+00 178+00 179+00 180+00 181+00 182+00
182+00 183+00 184+00 185+00 186+00 187+00 188+00 189+00 190+00 191+00 192+00 193+00 194+00 195+00 196+00 197+00 198+00 199+00


US 287 NBFR
EXIST. ROW
EXIST. ROW
FM 663
N


NK OF AMERICA
178
HARVEST HILL DR.
DISCOUNT TIRE
WENDY'S
179
QUIKTRIP
R=50'
PROP. ROW
EXIST (5) - 30" RCP
STA. 191+00.00
(TO REMAIN)
FM 663
EXIST. ROW
181
℄ FM 663
EXIST (2) - 30" RCP
EXTENSION
R=63'
PROP. ROW
R=50'
EXIST. ROW
EXIST. ROW
180
AT&T
GREAT CLIPS
TEXAS STATE OPTICAL
CHICKEN SALAD CHICK
MATTRESS FIRM, WING STOP, DENTISTS OF MIDLOTHIAN
US 287 SBFR
US 287 SBML
US 287 NBML
US 287 NBFR
EXIST. ROW
EXIST. ROW
FM 663
FM 66
END PROJECT
CSJ 0815-08-040
STA 196+90.07
℄ FM 663
MATCH EXIST PAVEMENT

INTERIM US287 TIE-IN




100'
STORAGE
340'
DECELERATION
100'
TAPER
340'
DECELERATION
100'
STORAGE
100'
TAPER

LEFT-TURN BAY DETAIL (TYPICAL)

RIGHT-TURN BAY DETAIL (TYPICAL)

Texas Department of Transportation

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DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

FM 663
60% DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS
FM 663 FROM FM 875 TO US 287
CSJ: 0815-08-040
LENGTH: 3.48 MILES
DATED: APRIL 2025

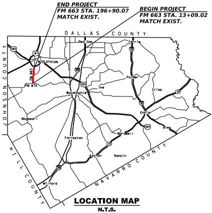
ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 663	45 MPH	MINOR ARTERIAL
FM 875	45 MPH	MAJOR COLLECTOR
US 287 EB FR	40 MPH	PRINCIPAL ARTERIAL
LOCAL STREETS	30 MPH	LOCAL

TXDOT RDM (2024) CHAPTER 4 BASIC DESIGN CRITERIA
(LEVEL TERRAIN)

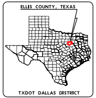
INDEX OF SHEETS

ROLL 1 OF 4 PLAN AND PROFILE VIEW STA 13+09.02 TO STA 80+00
ROLL 2 OF 4 PLAN AND PROFILE VIEW STA 80+00 TO STA 150+00
ROLL 3 OF 4 PLAN AND PROFILE VIEW STA 150+00 TO STA 196+90.07
ROLL 4 OF 4 SUPPLEMENTAL SIDE STREET PROFILES

ROLL 3 OF 4


END PROJECT
FM 663 STA. 196+90.07
MATCH EXIST.
BEGIN PROJECT
FM 663 STA. 13+09.02
MATCH EXIST.
DALLAS COUNTY
JOHNSON COUNTY
HILL COUNTY
NAVARRO COUNTY
Red Oak
Ferris
MIDLOTHIAN
FM 663
FM 875
Palmer
Waxahachie
Ike
Crisp
Ennis
Maypearl
Bardwell
Alma
Forreston
Avalon
Rankin
Milford

LOCATION MAP
N.T.S.


ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

LEGEND

- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING LANDSCAPE EASEMENT BY OTHERS
- CENTERLINE
- PARCEL LINE
- CITY/COUNTY BOUNDARY LINE
- PROPOSED DRAINAGE STRUCTURE
- DIRECTION OF FLOW
- EXISTING GAS LINE
- EXISTING TELEPHONE/CABLE/FIBER LINE
- EXISTING ELECTRIC LINE
- EXISTING PETROLEUM LINE
- EXISTING SANITARY SEWER LINE
- EXISTING STORM DRAIN LINE
- EXISTING WATER LINE
- EXISTING OH ELECTRIC LINE
- LEVEL B - SUE
- LEVEL C - SUE
- LEVEL D - SUE
- 🟨 PROPOSED CONCRETE PAVEMENT
- 🟪 PROPOSED DRIVEWAY
- PROPOSED SIDEWALK/SHARED USE PATH
- 🟧 ADJACENT PROJECT - BY OTHERS
- 🟩 PROPOSED RAISED MEDIAN
- ← PROPOSED LANES
- (#) PARCEL IDENTIFYING NUMBER
- PROPOSED RETAINING WALL
- CURB WALL
- METAL BEAM GUARD FENCE (MBGF)
- POTENTIAL DISPLACEMENT
- PROPOSED RIP RAP
- EXISTING TRAFFIC SIGNAL

PRELIMINARY
FOR INTERIM REVIEW ONLY

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NAME	P.E. NO.	DATE
RANDY L GROS, PE	134559	4/28/2025

SCALE:
1" = 100' HORIZONTAL
1" = 10' VERTICAL

GARVER
3000 INTERNET BLVD.
SUITE 400
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713