Texas Department of Transportation

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

DESIGN SCHEMATIC
FM 543
FROM CR 125 TO TRINITY FALLS
COLLIN COUNTY, TEXAS

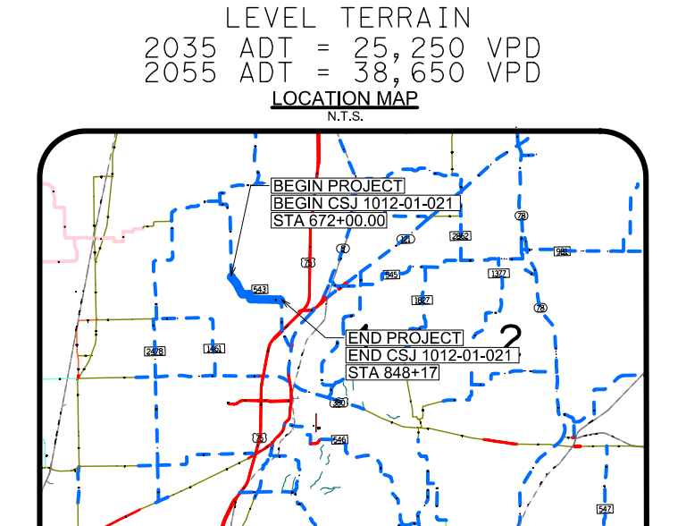
CSJ: 1012-01-021

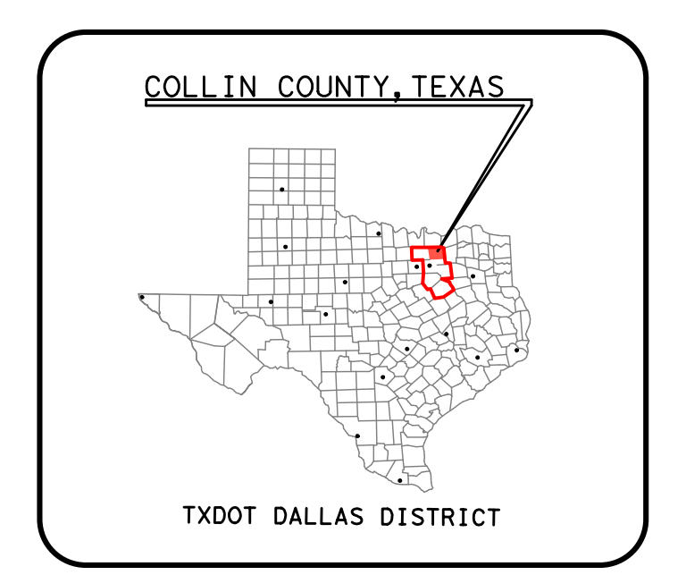
MAY 2026
ROLL 1 OF 3

LENGTH: 3.33 MILES ROADWAY 3.29 MILES, BRIDGE 0.04 MILES		
DESIGN SPEEDS		FUNCTIONAL CLASS
FM 543:	45 MPH	MAJOR COLLECTOR
CR 125:	30 MPH	LOCAL STREET
CR 168:	30 MPH	LOCAL STREET
CR 203:	30 MPH	LOCAL STREET
N HARDIN BLVD:	30 MPH	LOCAL STREET
LANTANA DR:	30 MPH	LOCAL STREET
W SWEETWATER COVE:	30 MPH	LOCAL STREET
CASPIAN BLVD:	25 MPH	LOCAL STREET
LUCKY LN:	30 MPH	LOCAL STREET
PECAN PL DR:	20 MPH	LOCAL STREET
CR 201:	30 MPH	LOCAL STREET
CR 202:	30 MPH	LOCAL STREET
STREIGER TRL:	30 MPH	LOCAL STREET
TRINITY FALLS PKWY:	45 MPH	MAJOR COLLECTOR

LEVEL TERRAIN
2035 ADT = 25,250 VPD
2055 ADT = 38,650 VPD

LOCATION MAP
N.T.S.


BEGIN PROJECT
BEGIN CSJ 1012-01-021
STA 672+00.00
END PROJECT
END CSJ 1012-01-021
STA 848+17


COLLIN COUNTY, TEXAS
TXDOT 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:

PHILLIP HANLEY — 91815 — 5/20/2026
P.E. NO. — DATE

PHILLIP ULLMAN — 71426 — 5/20/2026
P.E. NO. — DATE

LINA T. RAMEY & ASSOCIATES, INC.
TBPE FIRM #F-782

VERTICAL SCALE 0 4 8 12 16 20
HORIZONTAL SCALE 0 100 200

DATE SUBMITTED: ☐
DATE APPROVED: ☐

LTRA
3320 BELT LINE ROAD
FARMERS BRANCH, TX 75234
214-979-1144 MAIN
214-979-2480 FAX

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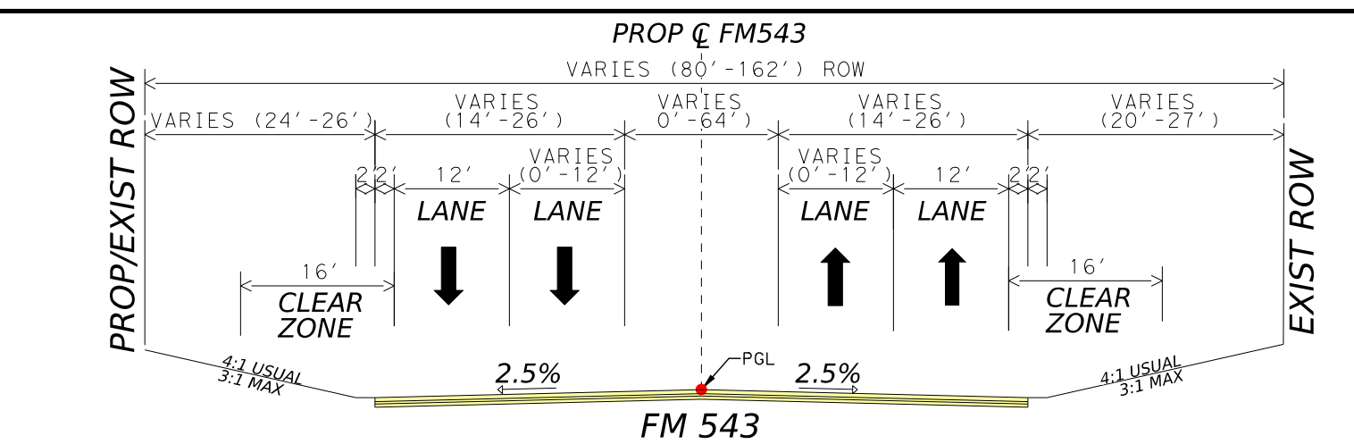
LEGEND:

- ▬ EXISTING ROW
- ▬ EXISTING PROPERTY LIMITS
- ▬ EXISTING TELE / CABLE / FIBER
- ▬ EXISTING WATER LINE
- ▬ EXISTING ELECTRIC LINE
- ▬ EXISTING SANITARY SEWER LINE
- ▬ EXISTING GAS / PETROLEUM LINE
- ▬ PROPOSED CENTERLINE/BASELINE
- ▬ PROPOSED TRANSITION BASELINE
- ▬ PROPOSED ROW
- ▬ PROPOSED FILL/CUT TIE
- 🟨 PROPOSED MAIN LANE(INTERIM 4-LANES)
- ▬ PROPOSED MAIN LANE(ULTIMATE 6-LANES)
- 🟦 PROPOSED CROSS STREET
- 🟥 PROPOSED BRIDGE
- 🟥 PROPOSED DRIVEWAY
- 🟪 PROPOSED SHARED USE PATH
- 🟫 PROPOSED MEDIAN
- ▬ PROPOSED TRANSITION
- ▬ WATERLINE EASEMENT
- ▨ GASLINE EASEMENT
- ☒ PAVEMENT TO BE REMOVED
- XXX PARCEL ID
- ▬ PROPOSED WALL
- ▬ PROPOSED CULVERT (PLAN VIEW)
- ▯ PROPOSED CULVERT (PROFILE VIEW)

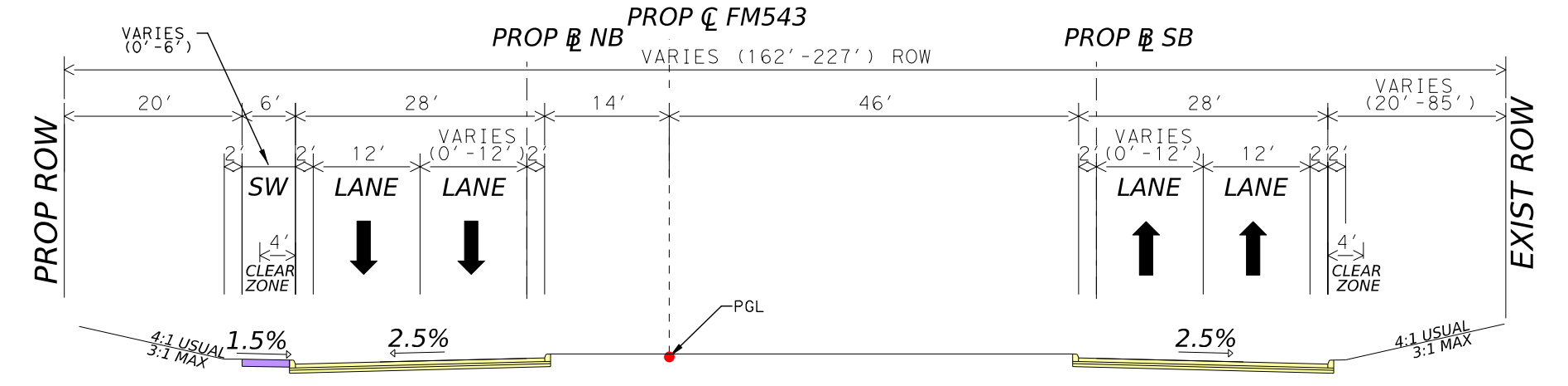
GENERAL NOTES:

1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL SURVEYS FROM 04-24-2024 AND RECORD PLANS.
2. ADA RAMPS ARE NOT DEPICTED ON THE PLAN. THE EXACT LOCATIONS OF THE SHARED USE PATHS WILL BE DETERMINED DURING THE PS&E DESIGN.
3. EXISTING DRIVEWAY LOCATIONS WILL REMAIN UNLESS IT IS DETERMINED DURING DETAILED DESIGN AND COORDINATION WITH THE CITIES THAT THE DRIVEWAY WILL BE A SAFETY ISSUE.
4. FINAL LOCATION OF MEDIAN OPENINGS TO BE DETERMINED IN PS&E DESIGN PHASE.
5. UNLESS OTHERWISE NOTED EXISTING PAVEMENT LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED.
6. SUPER ELEVATION AXIS OF ROTATION IS ABOUT THE PGL.
7. CURBS ON FM 543 AND CROSS STREETS ARE TYPE II UNLESS NOTED OTHERWISE.
8. DIMENSIONS ARE TO FACE OF CURB OR TO THE EDGE OF UNCURBED PAVEMENT UNLESS NOTED OTHERWISE.
9. PROPOSED CROSS STREET SECTIONS ARE BASED ON CITY THOROUGHFARE PLANS.
10. TYPICAL CROSS STREET TURNING RADIUS EQUALS 55' TYPICAL, 30' MIN. UNLESS NOTED OTHERWISE.
11. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48085C0165J AND 48085C0145J (JUNE 2009).
12. PROPOSED CULVERT SIZES SHOWN IN THE SCHEMATIC ARE SIZED BASED ON PRELIMINARY DRAINAGE ANALYSIS OF UPSTREAM DRAINAGE AREAS. A DETAILED DRAINAGE STUDY WILL BE PERFORMED PRIOR TO CONSTRUCTION TO FINALIZE THE PROPOSED CULVERT SIZES AND DESIGN. COORDINATION BETWEEN TXDOT, LOCAL GOVERNMENTS, AND ADJACENT PROPERTY OWNERS WILL BE PERFORMED DURING THIS DETAILED DESIGN PHASE.
13. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT (LATEST DATA AVAILABLE AS OF APRIL 2025).
14. TYPICAL DRIVEWAY RADIUS IS 25' FOR COMMERCIAL AND 15' FOR RESIDENTIAL.

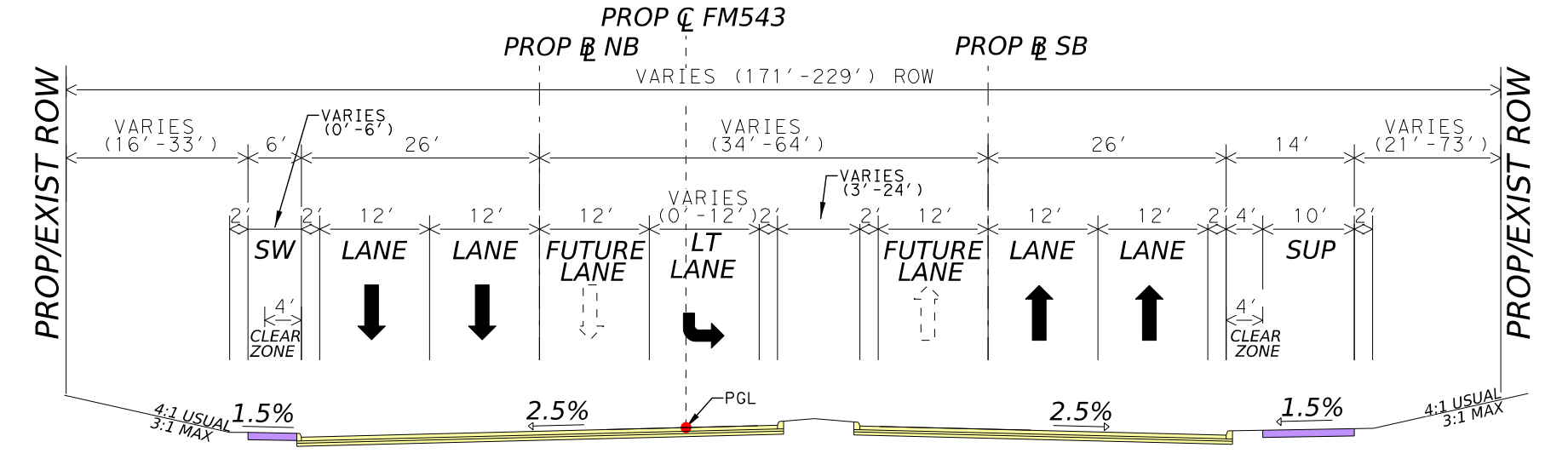
90% DRAFT
Preliminary, Subject to Change


PROP ℄ FM543
VARIES (80'-162') ROW
PROP/EXIST ROW
EXIST ROW
VARIES (24'-26')
VARIES (14'-26')
VARIES 0'-64'
VARIES (14'-26')
VARIES (20'-27')
LANE
LANE
LANE
LANE
16' CLEAR ZONE
16' CLEAR ZONE
2.5%
2.5%
PGL
4:1 USUAL 3:1 MAX

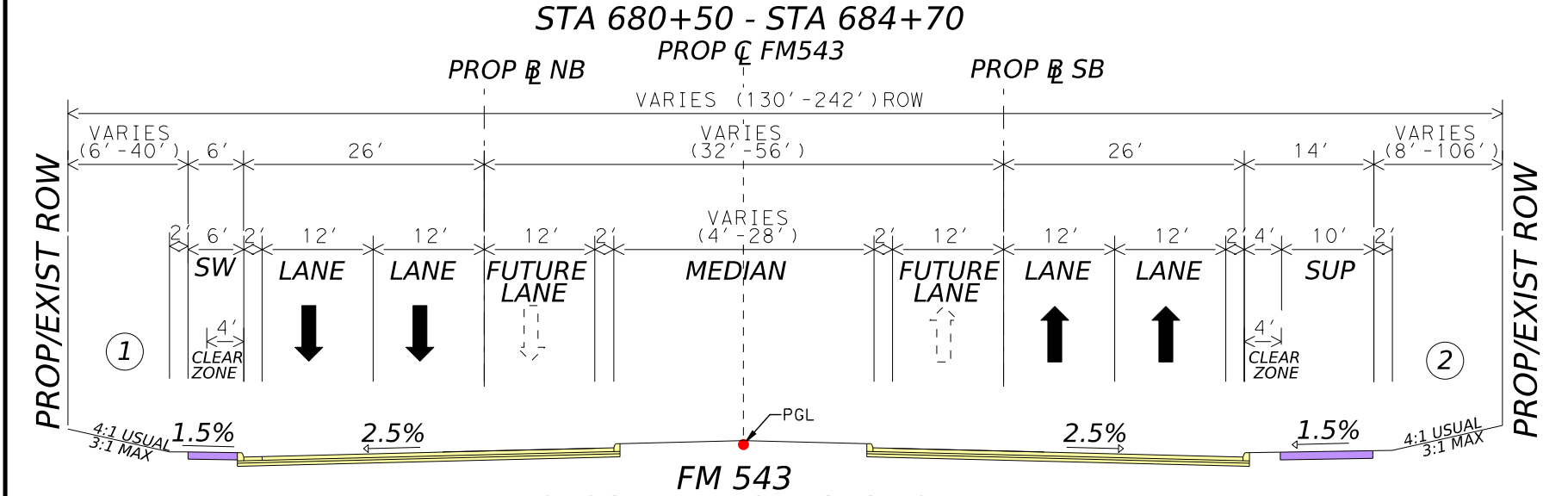
FM 543
PROPOSED TYPICAL SECTION
STA 671+45 - STA 673+40


PROP ℄ FM543
PROP ℄ NB
PROP ℄ SB
VARIES (162'-227') ROW
PROP ROW
EXIST ROW
20'
6'
28'
14'
46'
28'
VARIES (20'-85')
SW
LANE
LANE
LANE
LANE
4' CLEAR ZONE
1.5%
2.5%
2.5%
PGL

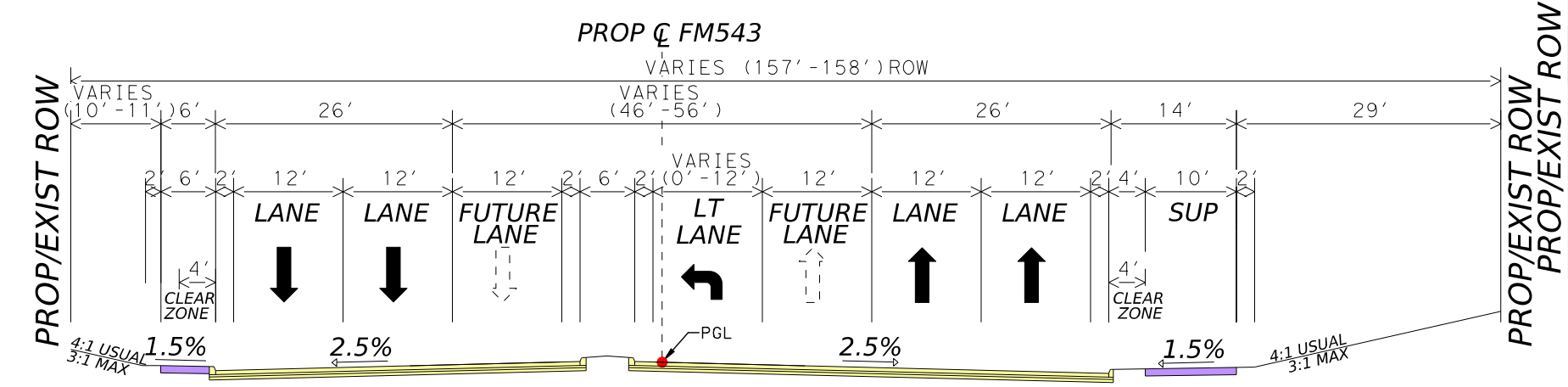
FM 543
PROPOSED TYPICAL SECTION
STA 673+40 - STA 680+50


PROP ℄ FM543
PROP ℄ NB
PROP ℄ SB
VARIES (171'-229') ROW
PROP/EXIST ROW
VARIES (16'-33')
VARIES (34'-64')
VARIES (21'-73')
SW
LANE
LANE
FUTURE LANE
LT LANE
FUTURE LANE
LANE
LANE
SUP
1.5%
2.5%
2.5%
1.5%
PGL

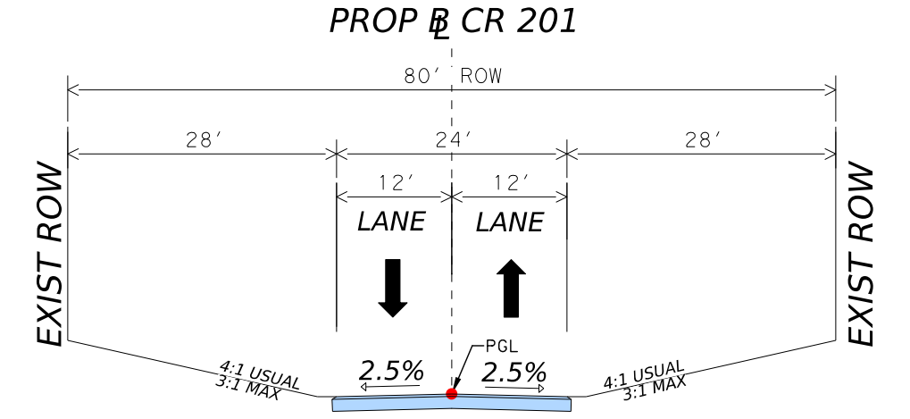
FM 543
PROPOSED TYPICAL SECTION
STA 680+50 - STA 684+70


PROP ℄ FM543
PROP ℄ NB
PROP ℄ SB
VARIES (130'-242') ROW
PROP/EXIST ROW
VARIES (6'-40')
VARIES (32'-56')
VARIES (8'-106')
SW
LANE
LANE
FUTURE LANE
MEDIAN
FUTURE LANE
LANE
LANE
SUP
①
②
1.5%
2.5%
2.5%
1.5%
PGL

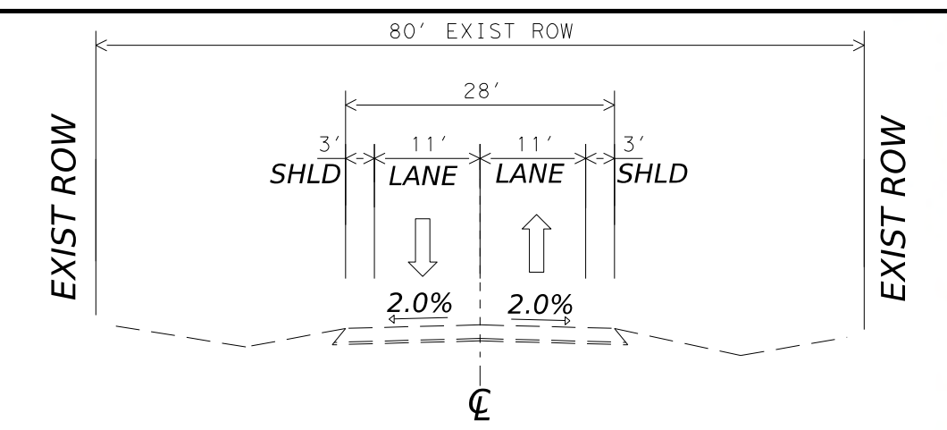
FM 543
PROPOSED TYPICAL SECTION
STA 684+70 - STA 685+30 STA 687+30 - STA 699+40


PROP ℄ FM543
VARIES (157'-158') ROW
PROP/EXIST ROW
VARIES (10'-11')
VARIES (46'-56')
LANE
LANE
FUTURE LANE
LT LANE
FUTURE LANE
LANE
LANE
SUP
1.5%
2.5%
2.5%
1.5%
PGL

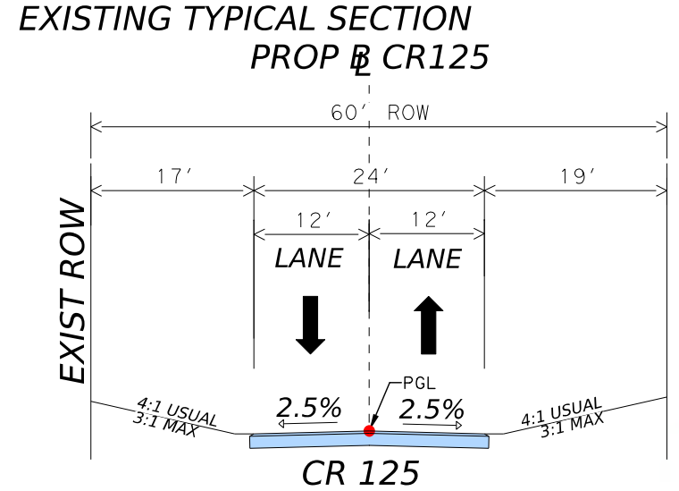
FM 543
PROPOSED TYPICAL SECTION
STA 699+40 - STA 704+50


PROP ℄ CR 201
80' ROW
EXIST ROW
28'
24'
28'
LANE
LANE
2.5%
2.5%
PGL

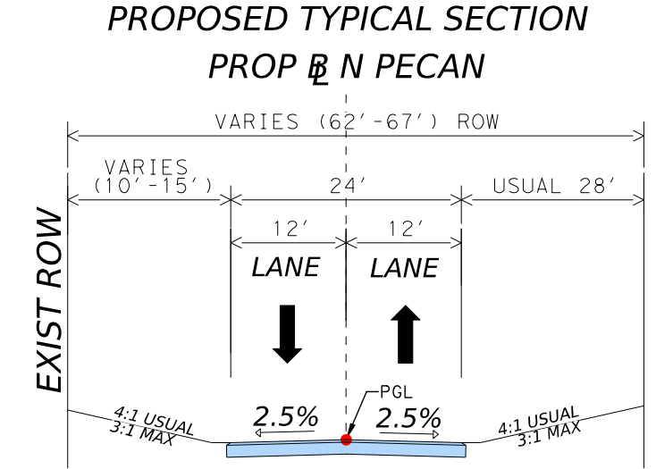
CR 201
PROPOSED TYPICAL SECTION


80' EXIST ROW
EXIST ROW
28'
SHLD
LANE
LANE
SHLD
2.0%
2.0%
℄

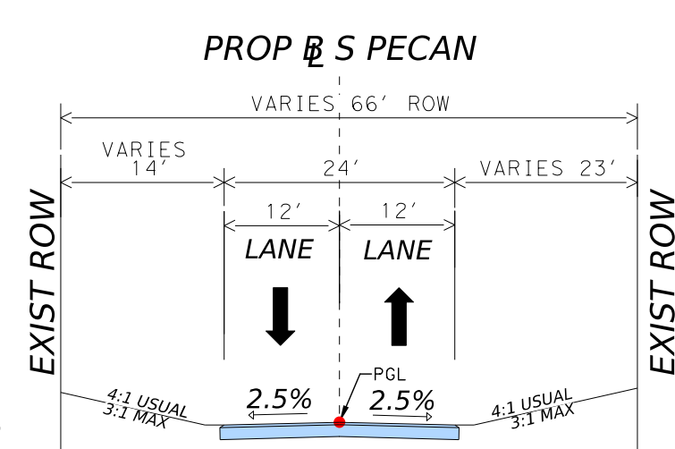
FM 543
EXISTING TYPICAL SECTION


PROP ℄ CR125
60' ROW
EXIST ROW
17'
24'
19'
LANE
LANE
2.5%
2.5%
PGL

CR 125
PROPOSED TYPICAL SECTION


PROP ℄ N PECAN
VARIES (62'-67') ROW
EXIST ROW
VARIES (10'-15')
24'
USUAL 28'
LANE
LANE
2.5%
2.5%
PGL

N PECAN
PROPOSED TYPICAL SECTION


PROP ℄ S PECAN
VARIES 66' ROW
EXIST ROW
VARIES 14'
24'
VARIES 23'
LANE
LANE
2.5%
2.5%
PGL

S PECAN
PROPOSED TYPICAL SECTION

BEGIN PROJECT
CSJ: 1012-01-021
℄FM543
STA: 671+45
MATCH EXISTING PAVEMENT
BEGIN TAPER TRANSITION
STA: 671+60
END TAPER TRANSITION
STA: 677+00
FUTURE IMPROVEMENTS BY OTHERS
BEGIN SIDEWALK - 6'
℄FM543
STA: 679+23
FEMA
1% ANNUAL CHANCE
FLOOD HAZARD
BEGIN TAPER TRANSITION
STA: 674+30
END TAPER TRANSITION
STA: 677+00
℄FM543 STA: 680+52.60
℄CR125 STA: 10+00.00
EXISTING ROW
MATCH SUPER
WITH EXISTING
℄ CR 125
END CONSTRUCTION
℄ CR 125
STA:13+12.00
MATCH EXISTING PAVEMENT
BEGIN PROP BRIDGE
℄ SBSPLIT_FM543
STA:685+29.76
AREA OF FILL
NEW CHANNEL
BEGIN PROP SUP WALL
℄FM543
STA:689+57
END PROP BRIDGE
℄ SBSPLIT_FM543
STA: 687+30.77
BEGIN PROP SUP WALL
℄FM543
STA:690+75
CEMETERY
END PROP WALL
℄FM543
STA:688+77
BEGIN PROP WALL
℄FM543
STA:687+30
END GABION WALL
BEGIN GABION WALL
EXISTING BUILDING
TO BE DISPLACED
CULVERT B
STA:695+31.07
PROP 5'X5' SBC
EXIST 5'X5' SBC
(TO BE REMOVED)
PROP ROW
EXISTING ROW
END SIDEWALK - 6'
℄FM543
STA: 704+28
MATCH SUPER
WITH EXISTING
PECAN PL DR
END CONSTRUCTION
℄N PECAN
STA: 11+47
MATCH EXISTING PAVEMENT
℄N PECAN
℄FM543 STA: 704+58.65
℄N PECAN STA: 10+00.00
10' SHARED USE PATH
CULVERT C
STA:712+87.67
PROP 3'X3' SBC
EXIST 30" RCP
(TO BE REPLACED)
MATCHLINE
FM 543 - STA 730+00
℄FM543 STA: 731+93.86
℄S PECAN STA: 10+00.00
℄S PECAN
END CONSTRUCTION
℄S PECAN
STA: 12+20
MATCH EXISTING PAVEMENT
PECAN PL DR
MATCH SUPER
WITH EXISTING
10' SHARED USE PATH
FEMA
1% ANNUAL CHANCE
FLOOD HAZARD
END BRIDGE CLASS CULVERT D
STA 737+79.19
BEGIN BRIDGE CLASS CULVERT D
STA 737+55.89
CULVERT D
STA:737+67.56
PROP 3-6'X6' MBC
EXIST 3-6'X6' MBC
(TO BE REMOVED)
℄CR168
CR 168
END CONSTRUCTION
℄CR168
STA: 13+00
MATCH EXISTING PAVEMENT
MATCH SUPER
WITH EXISTING
℄FM543 STA: 739+76.27
℄CR168 STA: 10+00.00
END BRIDGE CLASS CULVERT E
STA 754+72.66
BEGIN BRIDGE CLASS CULVERT E
STA 754+50.16
CULVERT E
STA:754+61.41
PROP 3-6'X6' MBC
MATCH SUPER
WITH EXISTING
END CONSTRUCTION
℄CR203
STA: 13+75
MATCH EXISTING PAVEMENT
℄CR203
CR 203
℄FM543 STA: 758+87.19
℄CR203 STA: 10+00.00
℄FM543 STA: 764+01.73
℄CR201 STA: 10+00.00
℄CR201
END CONSTRUCTION
℄CR201
STA: 13+20
MATCH EXISTING PAVEMENT
CULVERT F
STA:771+70.75
PROP 12'X4' SBC
END PROP SUP WALL
℄FM543
STA:773+75
BEGIN PROP SUP WALL
℄FM543
STA: 772+25
EXISTING CULVERT AND EMBANKMENT TO REMAIN
CR 201
MATCHLINE
FM 543 - STA 774+00
C1-A
C1-B
C2
C3
C4
C5
C6
C7
C14
C15
C16
C17
C18
CL17
100 A
100 B
200 A
200 B
101
102
103
104
105
106
107
108
109
110
111
112
114
115
116
117
118
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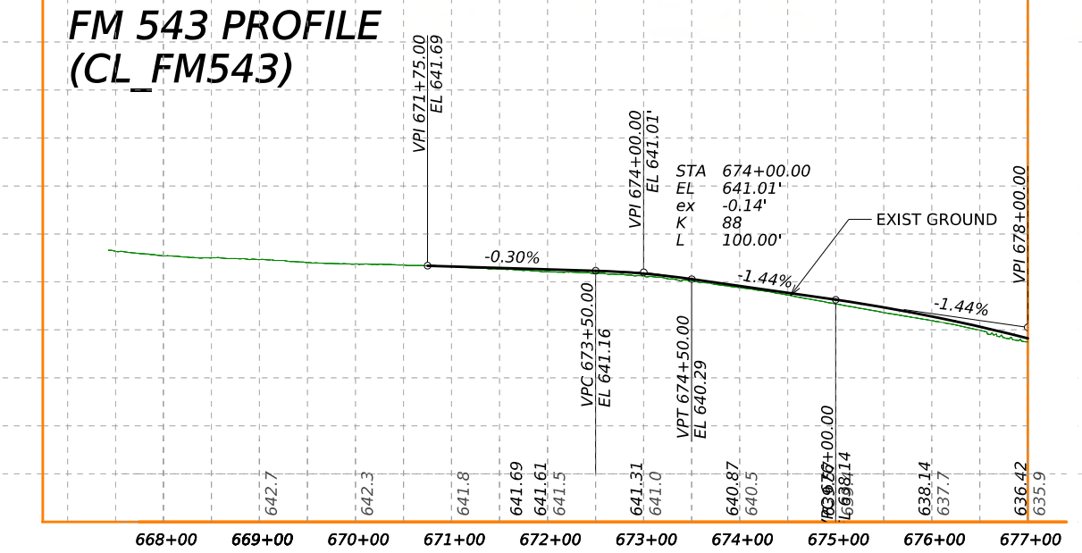
224

Detail A: PROP ℄ FM543; LANE, LANE, FUTURE LANE, LT LANE, FUTURE LANE, LANE, LANE; 2.0%, 4.0%, 4.0%, 2.8%

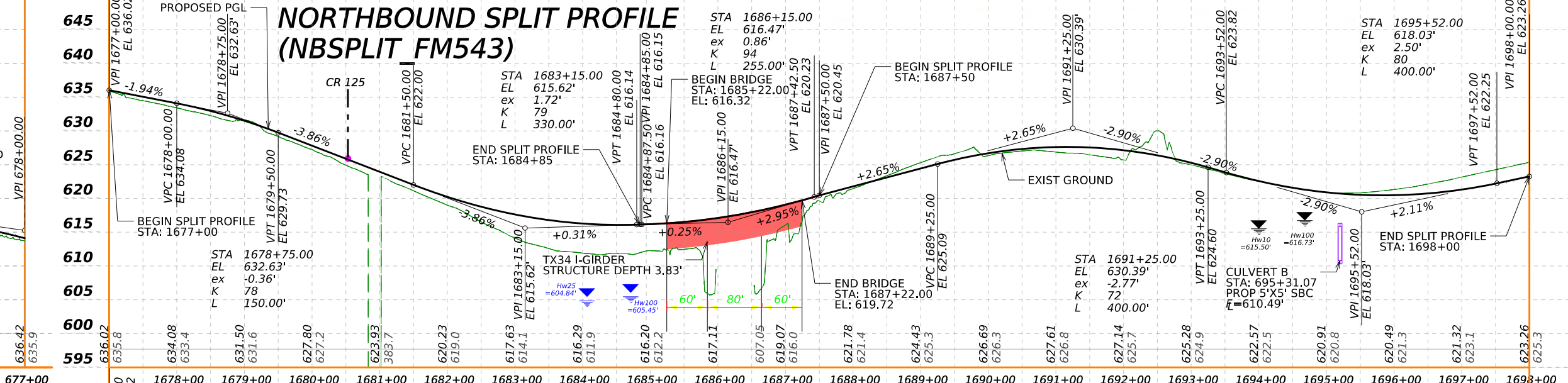
DETAIL A @ PECAN S

TURN LANES DATA

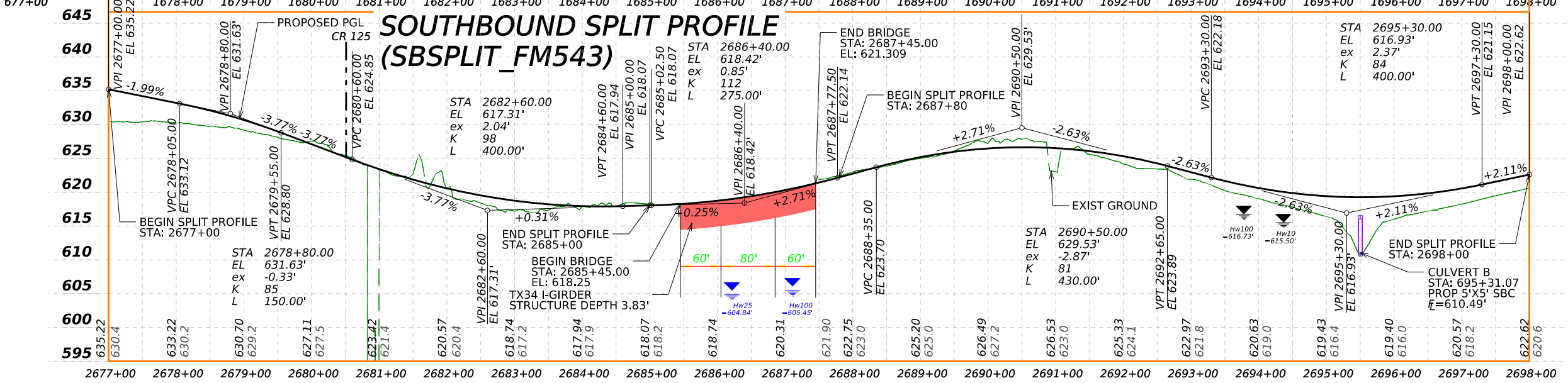
INTERSECTION	DIRECTION	TURN LANES	BEGIN STATION	END STATION	DESIGN SPEED	DECELERATION LENGTH	TAPER LENGTH	STORAGE
CR 125	NB	LT	681+28.00	684+68.00	45	240	100	100
N PECAN	NB	LT	705+38.00	709+78.00	45	340	100	100
	SB	LT	699+39.00	703+79.00	45	340	100	100
S PECAN	SB	LT	726+73.00	731+13.00	45	340	100	100
CR 168	NB	LT	740+40.00	744+80.00	45	340	100	100
CR 203	SB	LT	753+72.00	758+12.00	45	340	100	100
CR 202	NB	LT	766+24.00	769+64.00	45	240	100	100



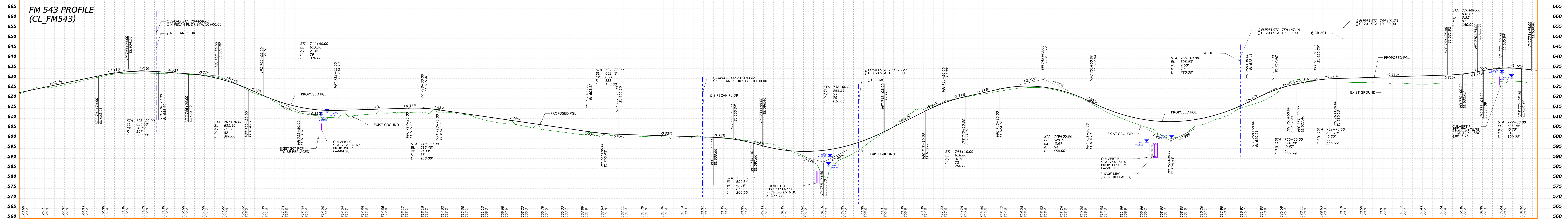
FM 543 PROFILE
(CL_FM543)



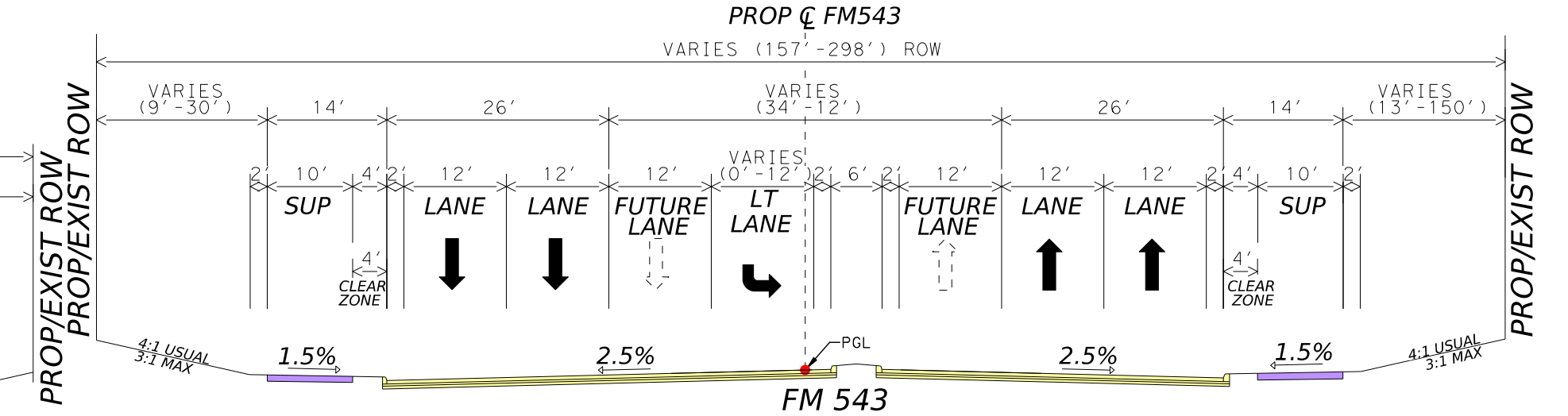
NORTHBOUND SPLIT PROFILE
(NBSPLIT_FM543)



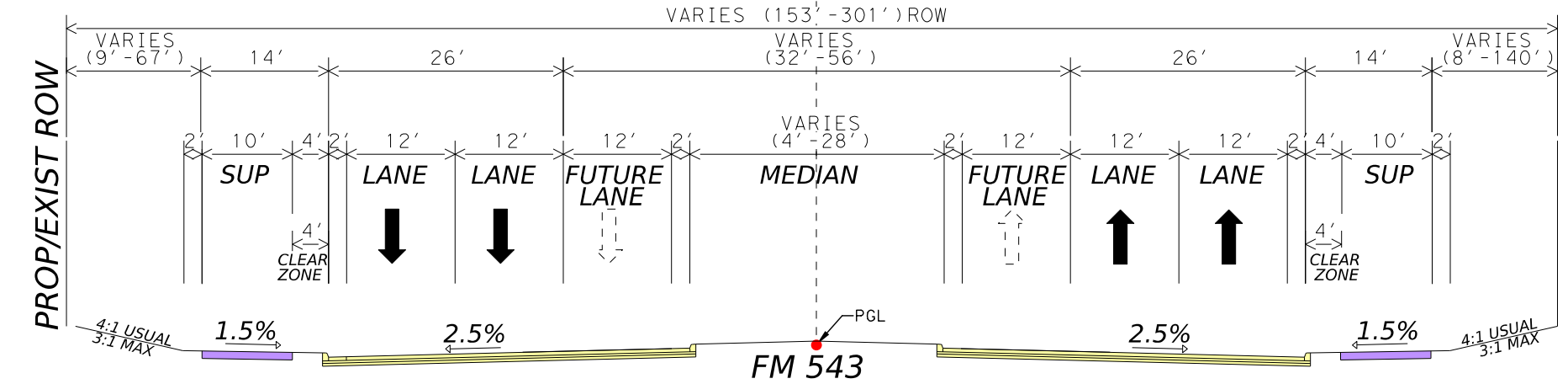
SOUTHBOUND SPLIT PROFILE
(SBSPLIT_FM543)



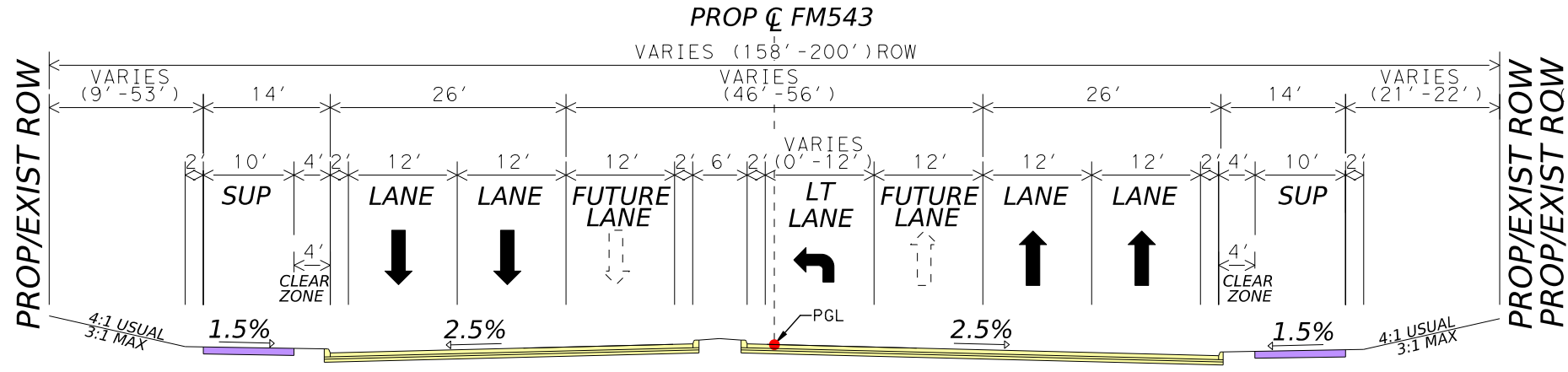
FM 543 PROFILE
(CL_FM543)


PROP ℄ FM543
VARIES (157'-298') ROW
PROP/EXIST ROW
VARIES (9'-30')
VARIES (34'-12')
VARIES (13'-150')
SUP
LANE
LANE
FUTURE LANE
LT LANE
FUTURE LANE
LANE
LANE
SUP
1.5%
2.5%
2.5%
1.5%
PGL

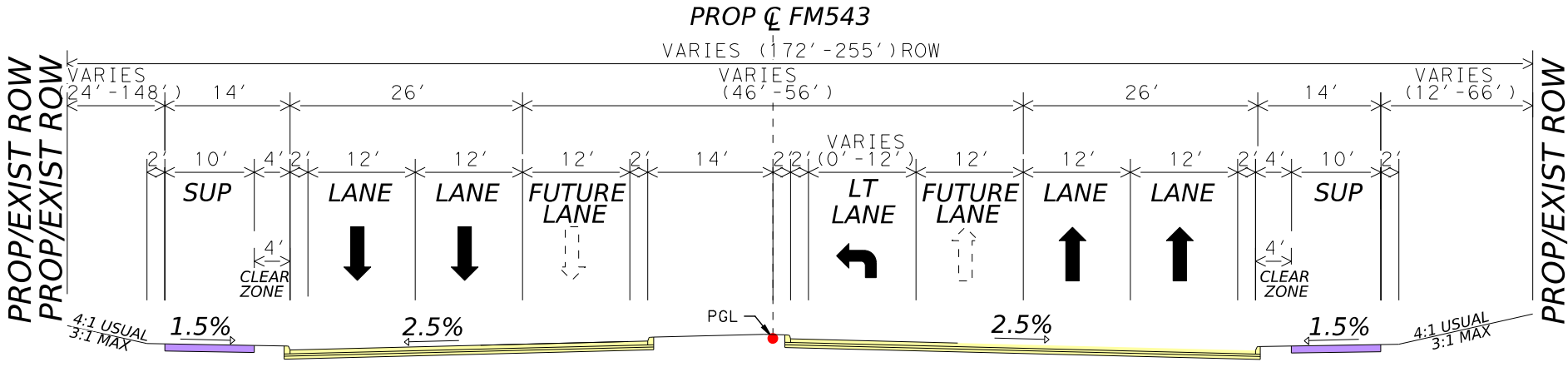
FM 543
PROPOSED TYPICAL SECTION
STA 704+50 - STA 709+80 STA 739+50 - STA 745+00


PROP ℄ FM543
VARIES (153'-301') ROW
PROP/EXIST ROW
VARIES (9'-67')
VARIES (32'-56')
VARIES (18'-140')
SUP
LANE
LANE
FUTURE LANE
MEDIAN
FUTURE LANE
LANE
LANE
SUP
1.5%
2.5%
2.5%
1.5%
PGL

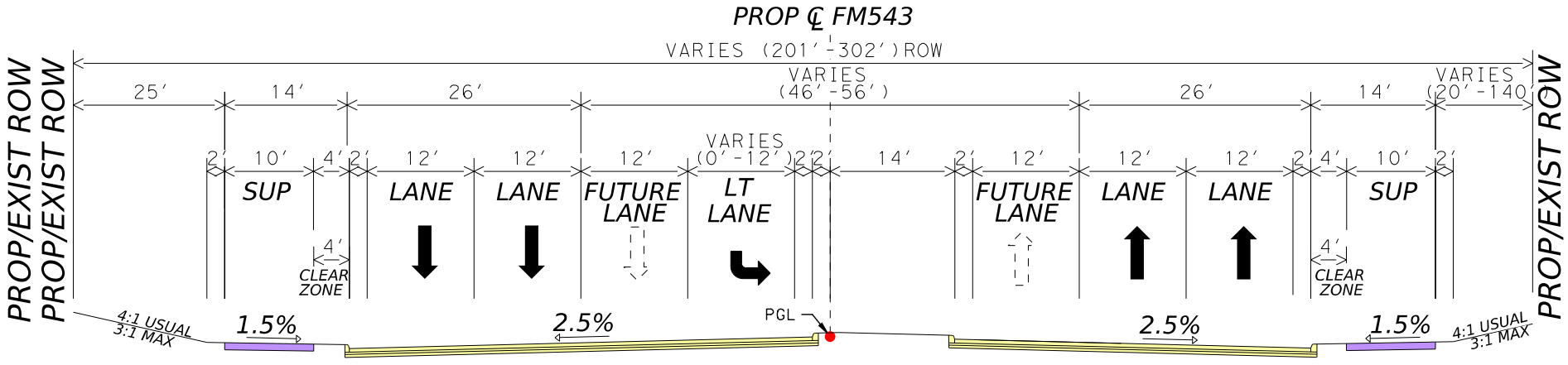
FM 543
PROPOSED TYPICAL SECTION
STA 709+80 - STA 726+80 STA 732+00 - STA 739+50
STA 745+00 - STA 753+70 STA 759+00 - STA 764+00
STA 769+60 - STA 776+50


PROP ℄ FM543
VARIES (158'-200') ROW
PROP/EXIST ROW
VARIES (9'-53')
VARIES (46'-56')
VARIES (21'-22')
SUP
LANE
LANE
FUTURE LANE
LT LANE
FUTURE LANE
LANE
LANE
SUP
1.5%
2.5%
2.5%
1.5%
PGL

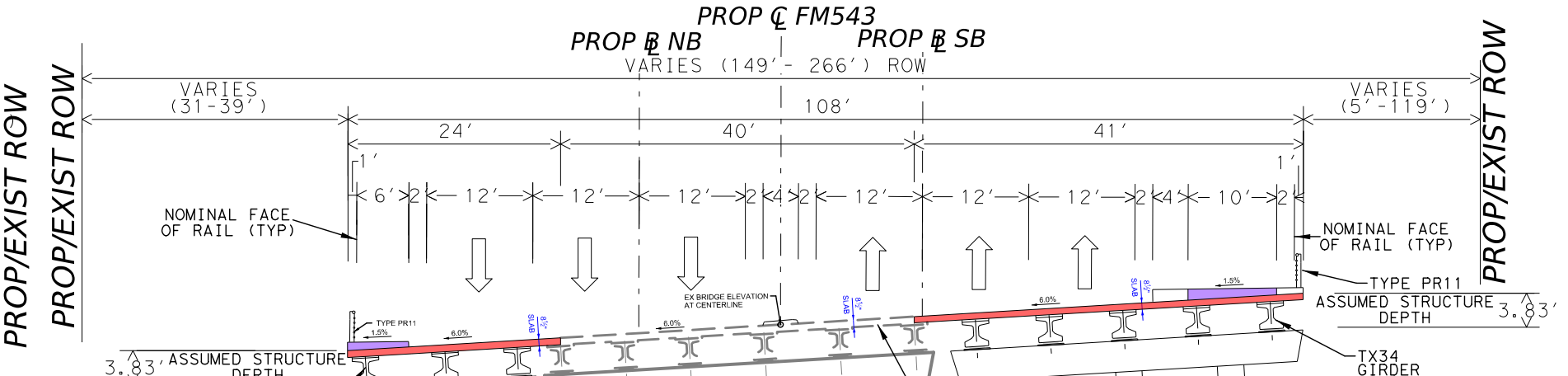
FM 543
PROPOSED TYPICAL SECTION
STA 726+80 - STA 732+00


PROP ℄ FM543
VARIES (172'-255') ROW
PROP/EXIST ROW
VARIES (24'-148')
VARIES (46'-56')
VARIES (12'-66')
SUP
LANE
LANE
FUTURE LANE
LT LANE
FUTURE LANE
LANE
LANE
SUP
1.5%
2.5%
2.5%
1.5%
PGL

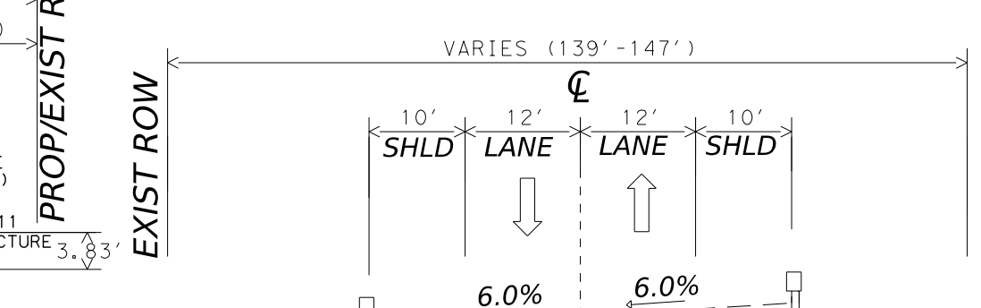
FM 543
PROPOSED TYPICAL SECTION
STA 753+70 - STA 759+00


PROP ℄ FM543
VARIES (201'-302') ROW
PROP/EXIST ROW
VARIES (46'-56')
VARIES (20'-140')
SUP
LANE
LANE
FUTURE LANE
LT LANE
FUTURE LANE
LANE
LANE
SUP
1.5%
2.5%
2.5%
1.5%
PGL

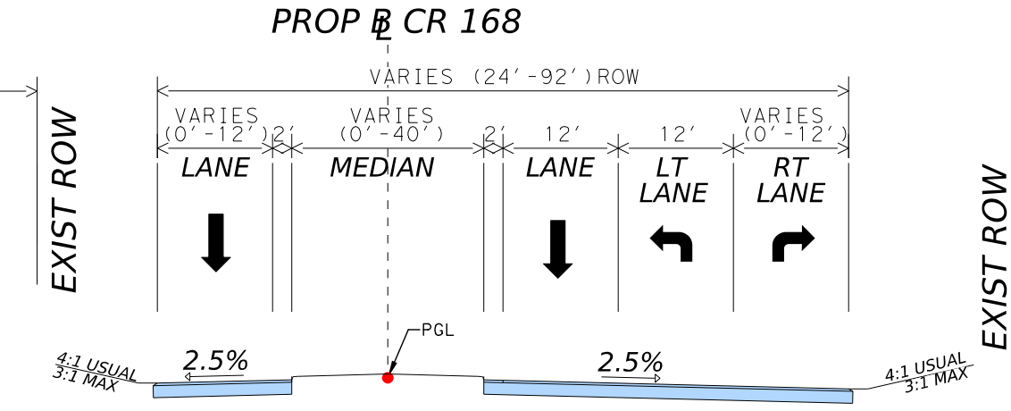
FM 543
PROPOSED TYPICAL SECTION
STA 764+00 - STA 769+60


PROP ℄ FM543
PROP ℄ NB
PROP ℄ SB
VARIES (149'-266') ROW
PROP/EXIST ROW
VARIES (31'-39')
VARIES (5'-119')
24'
40'
108'
41'
NOMINAL FACE OF RAIL (TYP)
TYPE PR11
ASSUMED STRUCTURE DEPTH
3.83'
TX34 GIRDER (TYP)
EXISTING BRIDGE DECK

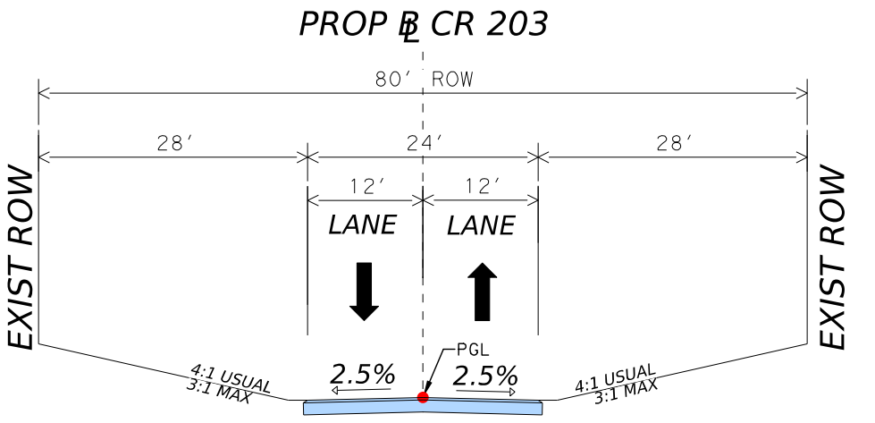
FM 543
PROPOSED BRIDGE TYPICAL SECTION
STA 685+30 - STA 687+30


VARIES (139'-147')
℄
EXIST ROW
SHLD
LANE
LANE
SHLD
6.0%
6.0%

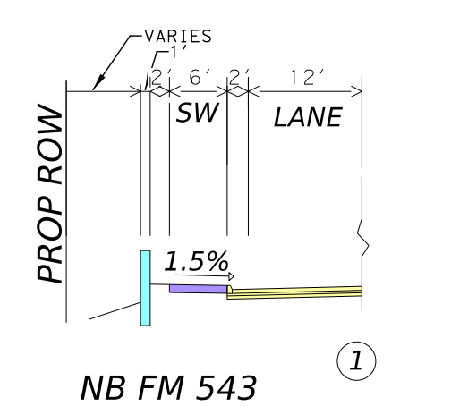
FM 543
EXISTING TAYLOR BRANCH BRIDGE
TYPICAL SECTION


PROP ℄ CR 168
VARIES (24'-92') ROW
EXIST ROW
VARIES (0'-12')
VARIES (0'-40')
VARIES (0'-12')
LANE
MEDIAN
LANE
LT LANE
RT LANE
2.5%
2.5%
PGL

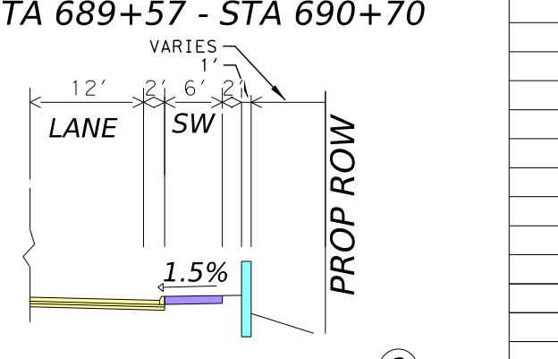
PROPOSED TYPICAL SECTION
@ CR 168


PROP ℄ CR 203
80' ROW
EXIST ROW
28'
24'
28'
LANE
LANE
2.5%
2.5%
PGL

CR 203
PROPOSED TYPICAL SECTION


VARIES
6'
12'
PROP ROW
SW
LANE
1.5%
①

NB FM 543
PROPOSED WALL SECTION
STA 689+57 - STA 690+70


VARIES
12'
6'
LANE
SW
PROP ROW
1.5%
②

NB FM 543
PROPOSED WALL SECTION
STA 689+30 - STA 688+77

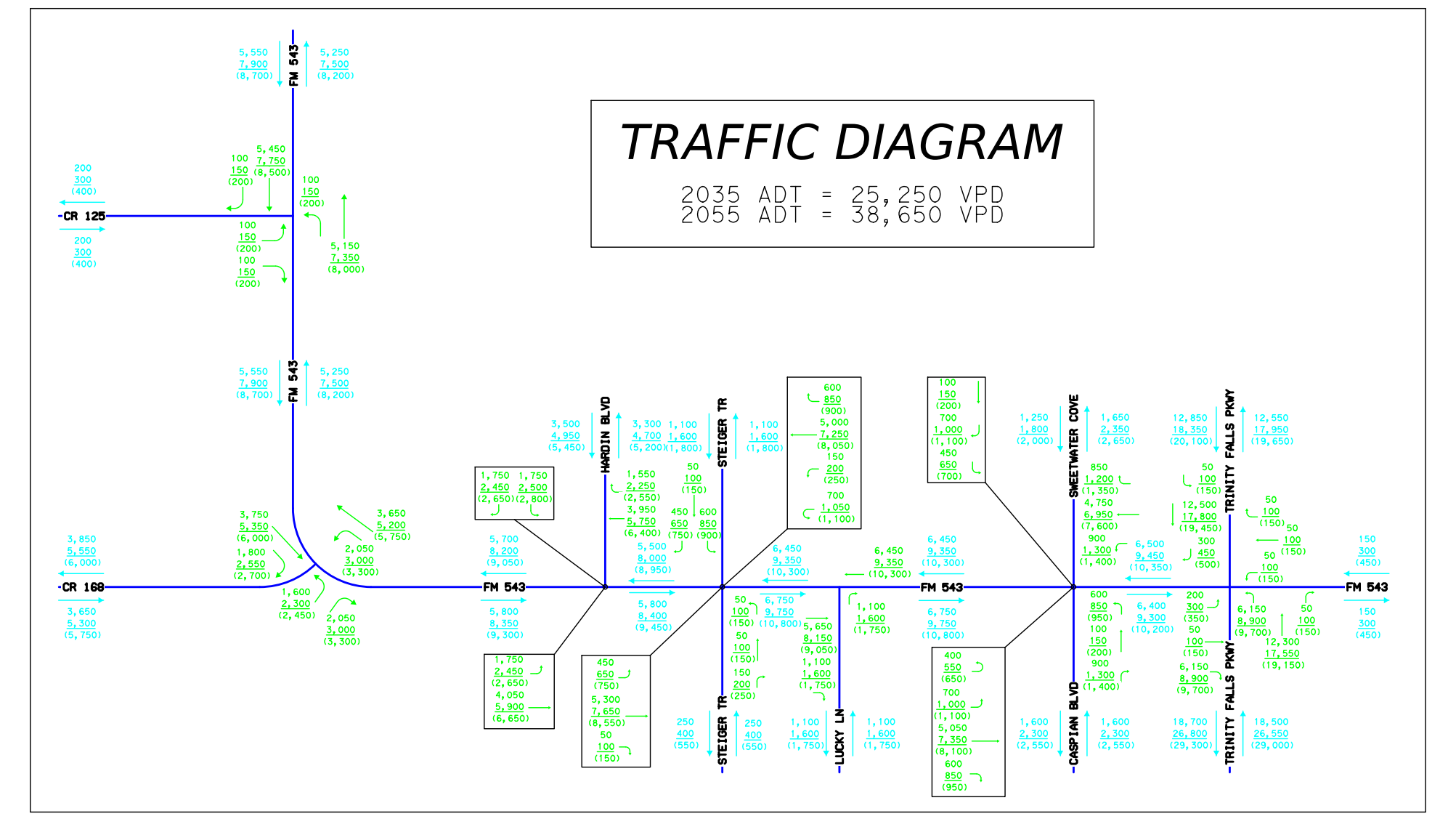
PROPERTY OWNERS

SOUTH BOUND		
PARCEL ID	OWNER	OWNER ADDRESS
100A	OPP-COLMENA LP	370 W BROADWAY ST PROSPER, TX 75078-2733
100B	OPP-COLMENA LP	370 W BROADWAY ST PROSPER, TX 75078-2733
101	WILD H CATTLE CO	PO BOX 1132 FRISCO TX 75034
102	WILD H CATTLE CO	PO BOX 1132 FRISCO TX 75034
103	BLUEBONNET PROPERTIES REVOCABLE LIVING TRUST	503 WOODLAKE DR ALLEN, TX 75013-3439
104	BLUEBONNET PROPERTIES REVOCABLE LIVING TRUST	1314 W MCDERMOTT DR STE 106 ALLEN TX 75013
105	CHAMPION JAMES G	3838 WESTON RD MCKINNEY TX 75071
106	KERICO CONWAY C & DARLA C-LE & KERICO LIVING TRUST	3876 WESTON RD MCKINNEY TX 75071
107	GONZALEZ JOHN	3890 WESTON RD MCKINNEY TX 75071
108	HART JOAN DELONG	3960 WESTON RD MCKINNEY TX 75071
109	TROLLINGER RACHELLE JOY & ANDREW STEPHEN	4004 WESTON RD MCKINNEY TX 75071
110	CAMPBELL JAN	4030 WESTON RD MCKINNEY TX 75071
111	FORD GARY & GLORIA	2110 COUNTY ROAD 168 MCKINNEY TX 75071
112	SARTOR GEORGE M II & PAULA M	2160 COUNTY ROAD 168 MCKINNEY TX 75071
113	ROEDER ROBERT H	2077 COUNTY ROAD 168 MCKINNEY TX 75071
114	ROEDER TERESA N	2077 COUNTY ROAD 168 MCKINNEY TX 75071
115	ROEDER TERESA N	2077 COUNTY ROAD 168 MCKINNEY TX 75071
116	REILLY JORDAN & HUNTER	6159 FM 543 MCKINNEY TX 75071
117	ALDEN EARL	PO BOX 3475 MCKINNEY TX 75070
118	SERRANO GRISELA	517 ROCKY SPRINGS RD MCKINNEY TX 75071
119	BROUSSARD NORRIS LEE & ANN MARIE	5849 FM 543 MCKINNEY TX 75071
120	DAVIS ROBERT A & LAURIE I	5803 FM 543 MCKINNEY TX 75071
121	DAVIS ROBERT A & LAURIE I	5803 FM 543 MCKINNEY TX 75071
122	DAVIS ROBERT A & LAURIE I	5803 FM 543 MCKINNEY TX 75071
123	HARTNETT FRED & MARY	7699 COUNTY ROAD 201 MCKINNEY TX 75071
124	HONEY CREEK INVESTMENTS LLC	2201 MIDWAY RD STE 108P CARROLLTON TX 75006

NORTH BOUND		
PARCEL ID	OWNER	OWNER ADDRESS
200A	OPP-COLMENA LP	370 W BROADWAY ST PROSPER, TX 75078-2733
200B	BITTED H LLC	16390 ADDISON RD ADDISON TX 75001
201	FRANKLIN CEMETARY	MCKINNEY TX 75069
202	BITTED H LLC	16390 ADDISON RD ADDISON TX 75001
203	BITTED H LLC	16390 ADDISON RD ADDISON TX 75001
204	WILLIAMSON JEFFREY C & CAROLINE C	5754 PECAN PLACE DR MCKINNEY TX 75071
205	DOYLE DENNIS M & LYNN	5845 PECAN PLACE DR MCKINNEY TX 75071
206	SELIN CHARLES V & JOAN MCKEAN	3663 WESTON RD MCKINNEY TX 75071
207	WHITE WILLIAM VANCE	PO BOX 38 WESTON TX 75097
208	FAHID AND FATIMA FAMILY REVOCABLE TRUST	4404 HARVARD LN FRISCO TX 75034
209	GARRISON ALLAN NEAL & DANA	3821 WESTON RD MCKINNEY TX 75071
210	WOMACK TRAVIS	3877 WESTON RD MCKINNEY TX 75071
211	DAVIS LIVING TRUST THE	3895 WESTON RD MCKINNEY TX 75071
212	CHACON JESUS MARIA & LAURA E	3945 WESTON RD MCKINNEY TX 75071
213	KNIGHT MATTHEW & THERESA	4333 PECAN PLACE DR MCKINNEY TX 75071
214	MORALES MARK A & DONNA M	4322 PECAN PLACE DR MCKINNEY TX 75071
215	BROWN SCOTT C	6260 FM 543 MCKINNEY TX 75071
216	ROLAND FARMS LLC	1416 CANDLER DR PROSPER TX 75078
217	HOLLEY ANNE M	7522 CAMPBELL RD STE 113-325 DALLAS TX 75248
218	GIDNEY NORMAN - LE	3110 FM 543 MCKINNEY TX 75071
219	HONEY CREEK MANOR HOLDINGS LLC	13059 ALLENWOOD AVE FRISCO, TX 75035-7889
220	PRESERVE AT HONEY CREEK RESIDENTIAL COMMUNITY INC	8360 LBJ FWY STE 300 DALLAS TX 75243
221	NASH TAYLOR ANN &	3725 DAYFLOWER AVE MCKINNEY TX 75071
222	PRESERVE AT HONEY CREEK RESIDENTIAL COMMUNITY INC	8360 LBJ FWY STE 300 DALLAS TX 75243
223	SHRESTHA SANDEEP	3717 DAYFLOWER AVE MCKINNEY TX 75071
224	WEBER BRANDON TYLER &	3713 DAYFLOWER AVE MCKINNEY TX 75071

CURVE DATA

POINT	PC	PI	PT	DELTA	RADIUS	LENGTH	TANGENT
ID	(STATION)	(STATION)	(STATION)		(FEET)	(FEET)	(FEET)
FM543 - C1-A	681+56.81 R1	683+41.99 R1	685+20.60 R1	26°23'03.59"	790.0000 '	363.7898 '	185.1789 '
FM543 - C1-B	685+20.60 R1	686+09.49 R1	686+97.71 R1	12°06'32.94"	838.0000 '	177.1067 '	88.8844 '
FM543 - C2	688+80.77 R1	689+49.10 R1	690+17.30 R1	06°11'03.13"	1265.0000 '	136.5374 '	68.3350 '
FM543 - C3	690+17.30 R1	691+25.34 R1	692+33.17 R1	06°11'03.13"	2000.0000 '	215.8694 '	108.0396 '
FM543 - C4	707+54.56 R1	709+00.38 R1	710+44.78 R1	13°51'25.78"	1200.0000 '	290.2237 '	145.8234 '
FM543 - C5	732+73.67 R1	739+67.65 R1	745+11.89 R1	64°29'42.67"	1100.00 '	1238.2187 '	693.9837 '
FM543 - C6	752+26.37 R1	759+66.90 R1	765+29.92 R1	67°53'53.54"	1100.00 '	1303.5520 '	740.5385 '
FM543 - C7	765+29.92 R1	772+12.51 R1	777+51.76 R1	63°38'31.91"	1100.00 '	1221.8425 '	682.5898 '
N PECAN - C14	10+82.41 R1	10+96.69 R1	11+10.95 R1	06°32'23.36"	250.0000 '	28.5354 '	14.2832 '
S PECAN - C15	10+80.22 R1	11+82.02 R1	12+64.63 R1	60°22'28.53"	175.00 '	184.4037 '	101.8005 '
CR168 - C16	10+00.00 R1	11+68.61 R1	13+07.22 R1	58°40'30.80"	300.00 '	307.2227 '	168.6112 '
CR203 - C17	10+52.20 R1	12+27.09 R1	13+74.27 R1	55°24'50.14"	333.00 '	322.0628 '	174.8805 '
CR201 - C18	10+00.00 R1	11+73.80 R1	13+20.37 R1	55°07'23.04"	333.00 '	320.3723 '	173.8036 '


FM 543
CR 125
CR 168
N HARDIN BLVD
STEIGER TR
LUCKY LN
CASPIAN BLVD
W SWEETWATER COVE
TRINITY FALLS PKWY
3,850
5,550
(6,000)
3,650
5,300
(5,750)
3,750
5,350
(6,000)
1,800
2,550
(2,700)
1,600
2,300
(2,450)
2,050
3,000
(3,300)
3,650
5,200
(5,750)

TRAFFIC DIAGRAM
2035 ADT = 25,250 VPD
2055 ADT = 38,650 VPD

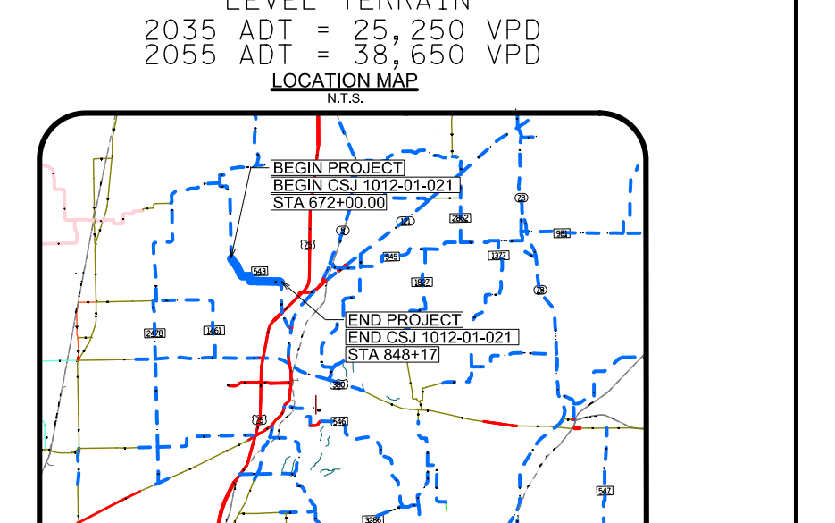
Texas Department of Transportation

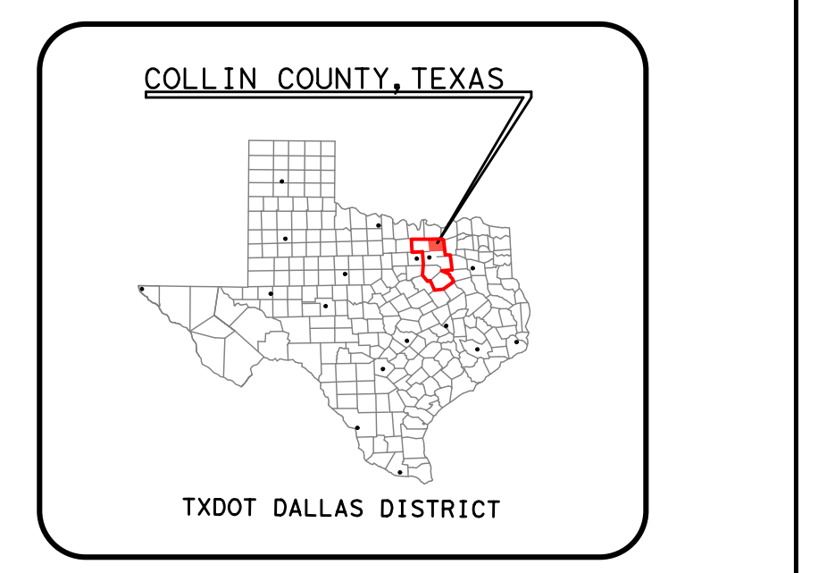
DALLAS DISTRICT
CEASON CLEMENS, P.E.
DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
FM 543
FROM CR 125 TO TRINITY FALLS
COLLIN COUNTY, TEXAS
CSJ: 1012-01-021
MAY 2026
ROLL 1 OF 3

LENGTH: 3.33 MILES
ROADWAY 3.29 MILES, BRIDGE 0.04 MILES
DESIGN SPEEDS / FUNCTIONAL CLASS
FM 543: 45 MPH MAJOR COLLECTOR
CR 125: 30 MPH LOCAL STREET
CR 168: 30 MPH LOCAL STREET
CR 203: 30 MPH LOCAL STREET
N HARDIN BLVD: 30 MPH LOCAL STREET
LANTANA DR: 30 MPH LOCAL STREET
W SWEETWATER COVE: 30 MPH LOCAL STREET
CASPIAN BLVD: 25 MPH LOCAL STREET
LUCKY LN: 30 MPH LOCAL STREET
PECAN PL DR: 20 MPH LOCAL STREET
CR 201: 30 MPH LOCAL STREET
CR 202: 30 MPH LOCAL STREET
STREIGER TRL: 30 MPH LOCAL STREET
TRINITY FALLS PKWY: 45 MPH MAJOR COLLECTOR

LEVEL TERRAIN
2035 ADT = 25,250 VPD
2055 ADT = 38,650 VPD
LOCATION MAP
N.T.S.


BEGIN PROJECT
BEGIN CSJ 1012-01-021
STA 672+00.00
END PROJECT
END CSJ 1012-01-021
STA 848+17


COLLIN COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

PRELIMINARY
FOR INTERIM REVIEW ONLY

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PHILLIP HANLEY — 91815 — 5/20/2026
P.E. NO. — DATE

PHILLIP ULLMAN — 71426 — 5/20/2026
P.E. NO. — DATE

LINA T. RAMEY & ASSOCIATES, INC.
TBPE FIRM #F-782

VERTICAL SCALE 0 4 8 12 16 20
HORIZONTAL SCALE 0 100 200

DATE SUBMITTED: ☐
DATE APPROVED: ☐

LTRA
3320 BELT LINE ROAD
FARMERS BRANCH, TX 75234
214-979-1144 MAIN
214-979-2480 FAX

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