Roll 4 of 5

Texas Department of Transportation

Dallas District Design Schematic
William L. Hale, P.E., District Engineer

SH 66

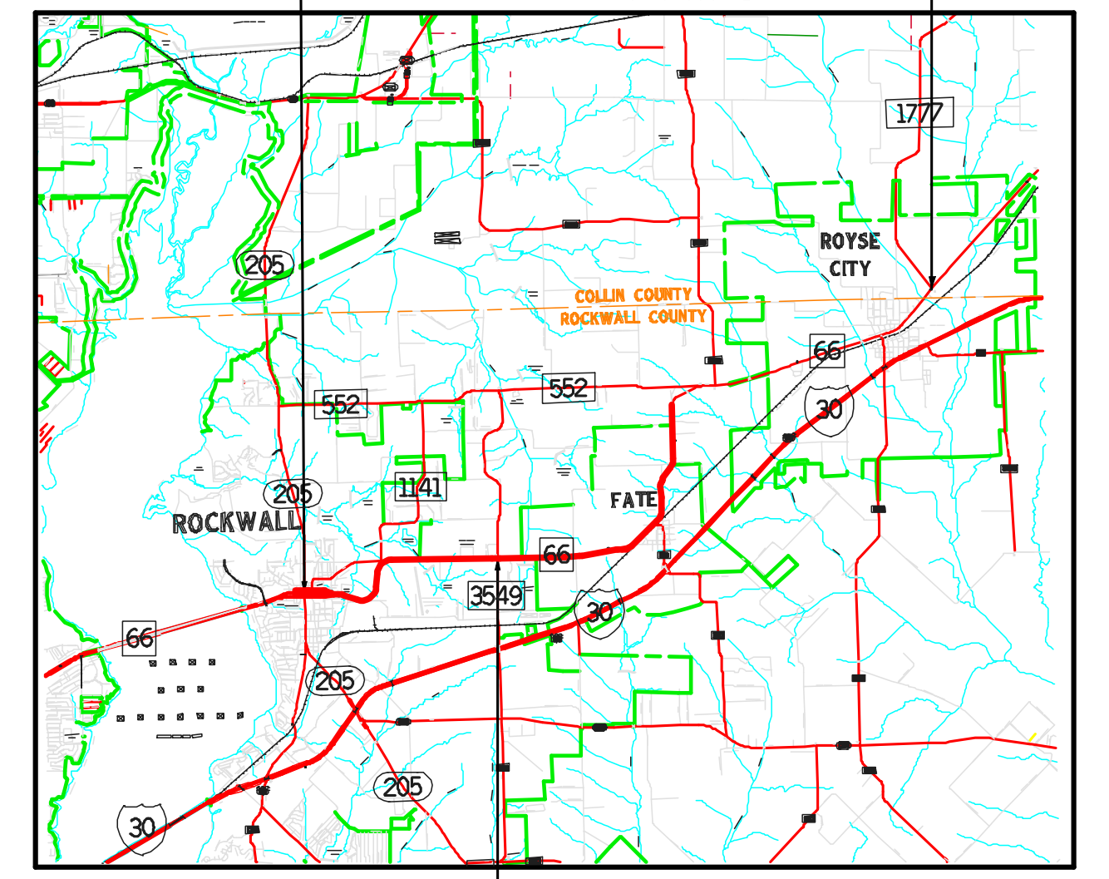
Rockwall & Collin County
From: SH 205
To: FM 1777
Project Length: 10.24 Miles
Functional Class:
Urban Principal Arterial

CSJ's: 0009-04-060, etc.

Design Speed:
SH 66 Six-Lane Divided Arterial - 45 mph
SH 66 Four-Lane Divided Arterial - 40 mph
SH 66 Couplet Arterial - 35 mph
FM 1141 & FM 552 - 40 mph
FM 551 - 30 mph

Begin Project
Begin CSJ: 0009-04-060
STA. 12+64

End Project
End CSJ: TO BE DETERMINED
STA. 556+42


1777
ROYSE CITY
205
COLLIN COUNTY
ROCKWALL COUNTY
552
552
66
30
ROCKWALL
205
1141
FATE
66
3549
30
66
205
205
30

End CSJ: 0009-04-060
Begin CSJ: TO BE DETERMINED
STA. 159+00

Scale:
Horizontal 1"=200'
Vertical 1"=20'

JANUARY 2013
Roll 4 of 5

SCHEMATIC PREPARED BY:
HUITT-ZOLLARS, INC.
REGISTRATION NUMBER F-761
FOR INTERIM REVIEW ONLY
NOT FOR PERMITTING, BIDDING
OR CONSTRUCTION.
Prepared by or under the
Direct Supervision of:

NAME	P.E. NUMBER
DAVID NUFER	68818

01-25-2013
DATE

HUITT-ZOLLARS
Huitt-Zollars, Inc. Dallas
1717 McKinney Avenue, Suite 1400
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LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- EXISTING EASEMENT
- PROPOSED DRAINAGE EASEMENT
- PROPOSED POTENTIAL DISPLACEMENTS
- EXISTING SH 66 CENTERLINE ALIGNMENT
- PROPOSED CENTERLINE/BASELINE
- PROPOSED PAVEMENT
- PROPOSED FACE OF CURB
- PROPOSED RETAINING WALL
- EXISTING CULVERT
- PROPOSED CULVERT
- PROPOSED BRIDGE
- PROPOSED SIDEWALK
- L1 PROPOSED TURN BAY LABEL
- PAVEMENT TO BE REMOVED
- 520 EXISTING 5' CONTOUR
- EXISTING WATER LINE
- EXISTING SEWER LINE
- EXISTING GAS LINE
- EXISTING TRANSMISSION LINE
- EXISTING TRANSMISSION LINE TOWER
- 100 YR FEMA FLOODPLAIN LIMITS
- RIVERS & CREEKS CENTERLINE (APPROXIMATE)
- EXISTING WETLANDS (PRELIMINARY)
- EXISTING PARK
- EXISTING HISTORICAL MARKER
- EXISTING NHRP SITE
- POTENTIAL HISTORIC PROPERTY (SEE NOTE 12)

NOTES

1. SCHEMATICS ARE BASED ON AERIAL SURVEYS DATED MAY 2004 AND RECORD PLANS. AERIAL SURVEYS BETWEEN CLARK STREET AND JOHN KING BLVD (ROCKWALL) AND ALONG CHURCH STREET (ROYSE CITY) WERE FLOWN DECEMBER 2011.
2. TRAFFIC VOLUMES APPROVED BY TP&P ON NOVEMBER 3, 2010.
3. SIDEWALK LOCATIONS DEPICTED IN PLAN VIEW AND TYPICAL SECTIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING PS&E DEVELOPMENT.
4. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING STRUCTURE.
5. UNLESS OTHERWISE NOTED EXISTING PAVEMENT AND STRUCTURES WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED.
6. PROPOSED SH 66 UTILIZES TYPE II CURBS AND GUTTERS.
7. DIMENSIONS ARE TO FACE OF CURB, FACE OF RAIL/BARRIER, OR TO THE EDGE OF UNCURBED PAVEMENT (UNLESS NOTED OTHERWISE).
8. PROPOSED CROSS STREET SECTIONS ARE BASED ON CITY THOROUGHFARE PLANS OR CITY GUIDANCE.
9. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS.
10. MEDIAN OPENINGS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL MEDIAN OPENING LOCATIONS TO BE DETERMINED DURING PS&E AND IN COORDINATION WITH THE LOCAL GOVERNMENT.
11. EXISTING UTILITIES THAT WOULD BE LOCATED WITHIN TXDOT'S PROPOSED ROW FOOTPRINT ARE SUBJECT TO TXDOT'S UTILITY ACCOMMODATION RULES AND MAY NEED TO BE RELOCATED. EXISTING UTILITY LOCATIONS SHOWN ON THE SCHEMATIC ARE APPROXIMATE.
12. POTENTIALLY HISTORIC PROPERTIES WERE IDENTIFIED BY A FEBRUARY 2012 HISTORIC PROPERTY "WINDSHIELD SURVEY" REPORT IN ACCORDANCE WITH NRHP CRITERIA.

SCHEMATIC ROLL INDEX

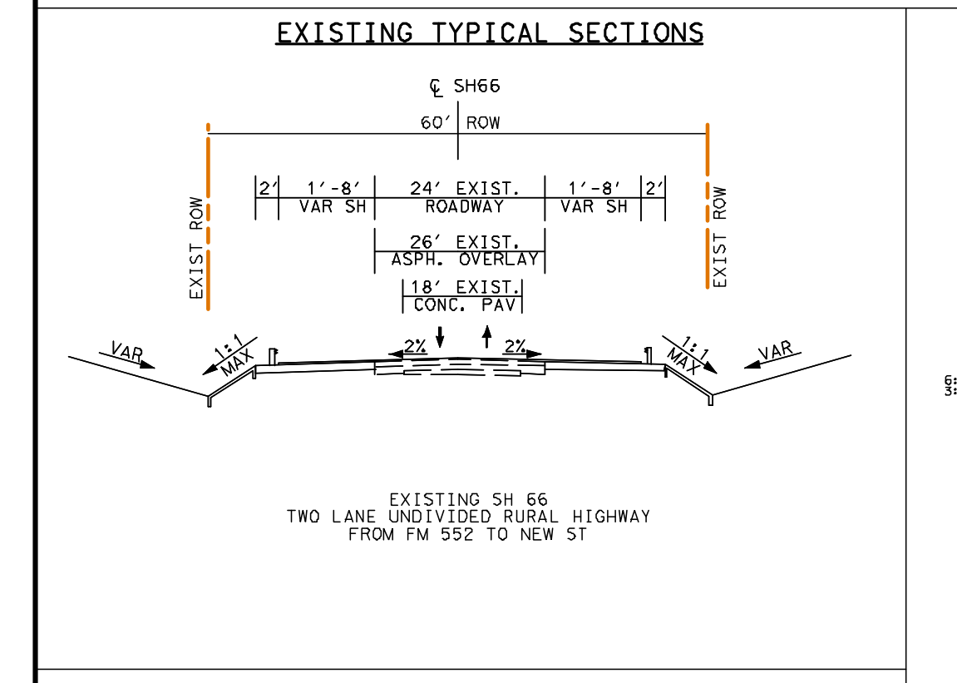
ROLL 1: STA 10+00 TO 122+00
ROLL 2: STA 122+00 TO 237+00
ROLL 3: STA 237+00 TO 347+00
ROLL 4: STA 347+00 TO 459+00
ROLL 5: STA 459+00 TO 556+42

PARCEL	OWNER	PARCEL ADDRESS	OCCUPANT
N276	JEFFREY R. & NIKKI M. SULLIVAN	6658 N HWY 66	J & M USED CARS
N277	MARTHA B. & STEVEN F. HUFFMAN	6824 HWY 66	RESIDENT
N278	NELSON & VIRGINIA FLETCHER	6880 W HWY 66	RESIDENT
N279	LAVON WATER SUPPLY CORP	HWY 66	LAVON WATER SUPPLY STORAGE TANKS
N280	LAVON WATER SUPPLY CORP	HWY 66	UNDEVELOPED
N281	FAMILIAR IGLESIA DE DIOS CENTROL EVANGELISTICO	7066 HWY 66	GENESIS COMMUNITY CHURCH
N282	MICHAEL S. LAMB	5639 E FM552	RESIDENT
N283	JESUS DIAS ETUX	HWY 66	UNDEVELOPED
N284	MARK WAYNE PORTER	5687 E FM552	RESIDENT
N285	STEVEN E. & SAMANTHA NELSON	5760 E FM 552	RESIDENT
N286	WERNER & GERDA GROPENGIESSER	HWY 66	UNDEVELOPED
N287	MICHAEL & LISA PETTITT	7358 HWY 66	RESIDENT
N288	TOMASA MENJIVAR	HWY 66	UNDEVELOPED
N289	BARNEY M. BARNHILL	7452 HWY 66	PONDEROSA PET RESORT
N290	MAHAMMAD FROTAN	7514 HWY 66	EXXON GAS STATION
N291	CHRIS & AMANDA HOLT	7612 HWY 66	HOLT FEED STORE
N292	STEVEN R. CADE	7720 HWY 66	RESIDENT
N293	RIGOBERTO HERNANDEZ	HWY 66	UNDEVELOPED
N294	DORA L. CORDOBA	7876 HWY 66	RESIDENT
N295	HAI M. LE & THU Q. PHAM	HWY 66	UNDEVELOPED
N296	MARTHA F. MANN	7960 HWY 66	RESIDENT
N297	XUONG M. TIEU	8086 W HWY 66	RESIDENT
N298	FRANCIS JOSEPH & BEVERLY ANN MARSHALL	W HWY66	UNDEVELOPED
N299	FRANCIS JOSEPH & BEVERLY ANN MARSHALL	8208 HWY 66	RESIDENT
N300	MARTHA CUNNINGHAM D'AMICO	8266 HWY 66	RESIDENT
N301	RICHARD JAMES ELDER JR. & DOROTHY HELEN ELDER	200 N SORRELLS RD	RESIDENT
N302	MURPHY L. & EMILY E. CROWELL	1800 W HWY 66	RESIDENT
N303	MURPHY L. & EMILY E. CROWELL	1800 W HWY 66	UNDEVELOPED
N304	GREG DEAN	NATIONAL DR	UNDEVELOPED
N305	TERRY SMITH & JANET S. LITTLE	W HWY66	UNDEVELOPED
N306	TRAVIS LEE & MARY ANN TIDWELL	1210 HWY 66	RESIDENT
S225	AURUBY INC	6744 N HWY66	COMMERCIAL
S226	ALLEN MARTIN JR	HWY66	UNDEVELOPED
S227	MICLIN PROPERTIES LLC	HWY 66	UNDEVELOPED
S228	JOSEPH L. & BARBARA E KIPPING	900 HWY 66	UNDEVELOPED
S229	SHARON OLSEN REVOCABLE LIVING TRUST	6955 W HWY66	RESIDENT
S230	PETER & DONNA CURANOVIC	HWY66	UNDEVELOPED
S231	MAINSALE HOMES INC.	714 HWY 66	UNDEVELOPED
S232	ROYCE LEGACY, INC.	7409 W HWY 66	RESIDENT
	ROYCE LEGACY, INC.	7409 HWY 66	RESIDENT
S233	FOUR WINDS CHURCH	7443 HWY 66	FOUR WINDS CHURCH
S234	MICHAEL R. & JEANNE OGLESBY	7477 HWY 66	RESIDENT
S235	SABRINA & VICTOR L. STRANG	7499 HWY 66	RESIDENT
S236	JESUS CANALES	HWY66	UNDEVELOPED
S237	BALTAZAR & MARIA RUIZ	7547 HWY 66	RESIDENT
S238	GABRIEL & TERESA GARCIA	7575 HWY 66	RESIDENT
S239	CUTBERTO GONZALES & MIGUEL ANGEL HUERTA	7601 HWY 66	RESIDENT
S240	PAUL J. FISK	HWY 66	UNDEVELOPED
	PAUL J. FISK	FLOYD ROAD	UNDEVELOPED
S241	R.E. SORRELLS	HWY 66	UNDEVELOPED
S242	MICHAEL BLAIR	HWY66	UNDEVELOPED
S243	STEPHEN CRAIG BRIGHT	HWY 66	UNDEVELOPED
S244	ALAN & MARCIA MIDDLETON	1701 W HWY 66	RESIDENT
S245	SILAS A. BRYAN JR	1617 W HWY 66	RESIDENT
S247	PAUL EVANS	1000 W HWY 66	UNDEVELOPED
S248	TXU ELECTRIC CO	HWY 66	TXU ELECTRIC DELIVERY PLANT
S249	TXU ELECTRIC CO	HWY 66	TXU ELECTRIC DELIVERY PLANT
S250	CLYDE DAVID & PATRICIA ANN SMITH	1209 W HWY 66	RESIDENT

LEFT TURN BAY LENGTHS

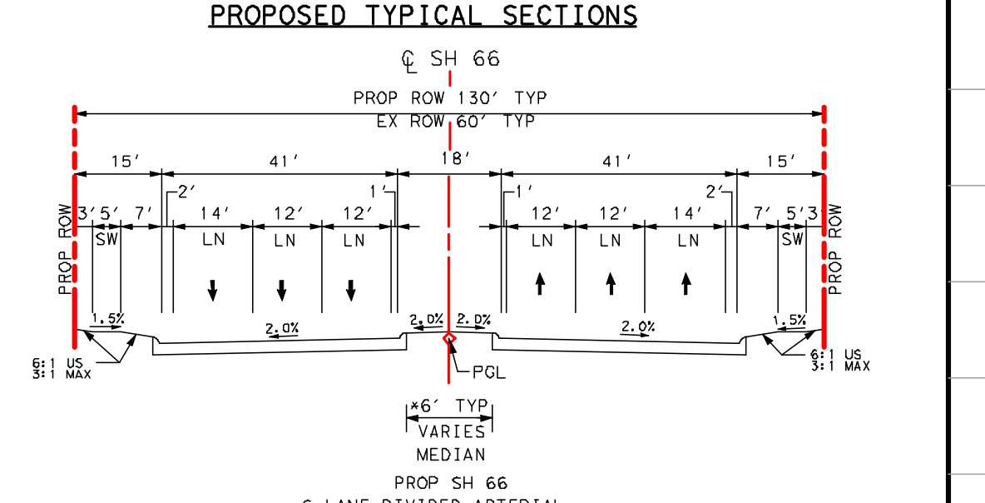
TURN LANE	TAPER LENGTH	DECEL LENGTH	STORAGE LENGTH	TOTAL LENGTH
L39	100'	345'	100'	445'
L40	100'	345'	100'	445'
L41	100'	345'	100'	445'
L42	100'	345'	100'	445'
L43	100'	345'	100'	445'
L44	100'	345'	100'	445'

EXISTING TYPICAL SECTIONS


℄ SH66
60' ROW
2' 1'-8' VAR SH
24' EXIST. ROADWAY
1'-8' VAR SH 2'
26' EXIST. ASPH. OVERLAY
18' EXIST. CONC. PAV
EXIST ROW
EXIST ROW
VAR
1:1 MAX
2%
2%
1:1 MAX
VAR

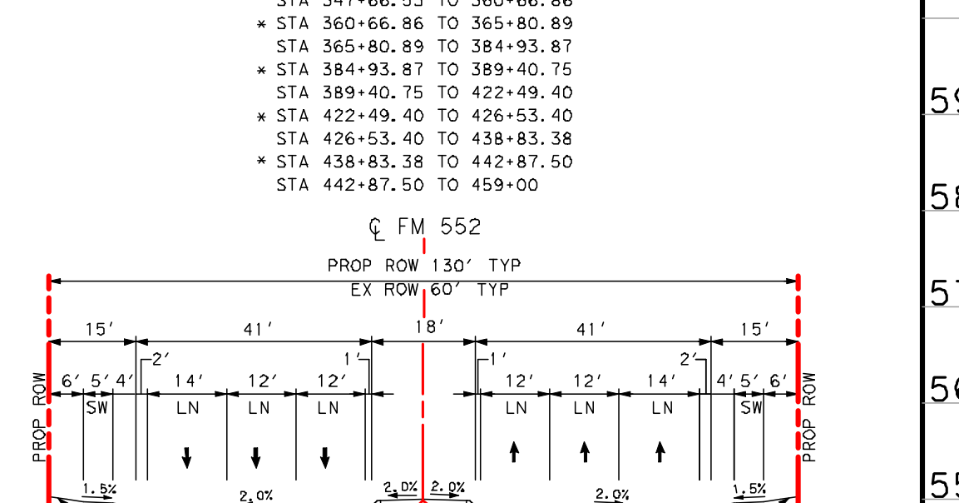
EXISTING SH 66
TWO LANE UNDIVIDED RURAL HIGHWAY
FROM FM 552 TO NEW ST

PROPOSED TYPICAL SECTIONS


℄ SH 66
PROP ROW 130' TYP
EX ROW 60' TYP
15'
41'
18'
41'
15'
3'5' 7'
2'
14' 12' 12'
1'
1'
12' 12' 14'
2'
7' 5'3'
SW
LN LN LN
LN LN LN
SW
PROP ROW
PROP ROW
1.5%
2.0%
2.0%
2.0%
2.0%
1.5%
PGL
6:1 US
3:1 MAX

6" TYP
VARIES
MEDIAN

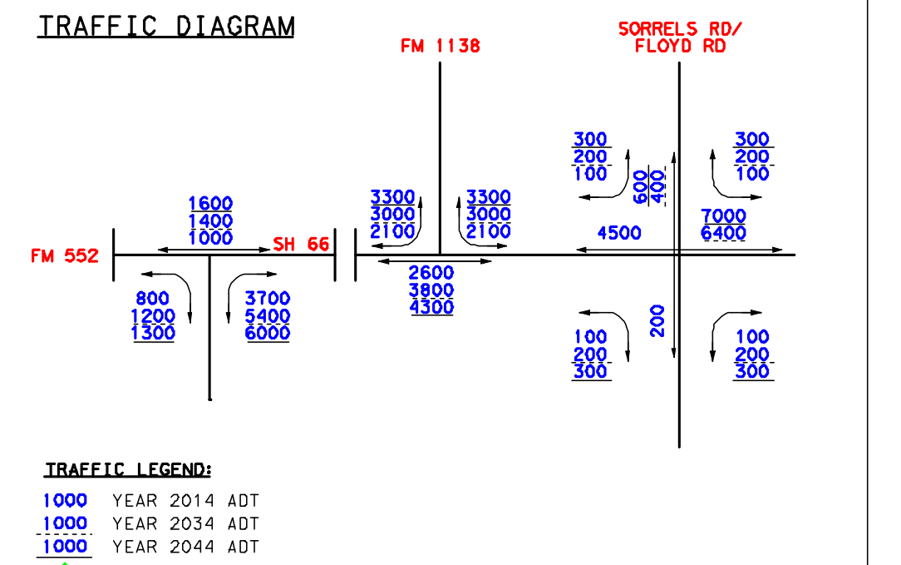
PROP SH 66
6 LANE DIVIDED ARTERIAL
* STA 347+00.00 TO 347+66.53
STA 347+66.53 TO 360+66.86
* STA 360+66.86 TO 365+80.89
STA 365+80.89 TO 384+93.87
* STA 384+93.87 TO 389+40.75
STA 389+40.75 TO 422+49.40
* STA 422+49.40 TO 426+53.40
STA 426+53.40 TO 438+83.38
* STA 438+83.38 TO 442+87.50
STA 442+87.50 TO 459+00


℄ FM 552
PROP ROW 130' TYP
EX ROW 60' TYP
15'
41'
18'
41'
15'
6' 5' 4'
2'
14' 12' 12'
1'
1'
12' 12' 14'
2'
4' 5' 6'
SW
LN LN LN
LN LN LN
SW
PROP ROW
PROP ROW
1.5%
2.0%
2.0%
2.0%
2.0%
1.5%
PGL
6:1 US
3:1 MAX

6" TYP
VARIES
MEDIAN

PROP FM 552
6 LANE DIVIDED ARTERIAL
* STA 275+76.64 TO 281+16.32
STA 281+16.32 TO 285+29.88

TRAFFIC DIAGRAM


FM 1138
SORRELS RD/ FLOYD RD
FM 552
SH 66
1600
1400
1000
800
1200
1300
3300
3000
2100
3300
3000
2100
2600
3800
4300
3700
5400
6000
300
200
100
300
200
100
4500
7000
6400
100
200
300
100
200
300

TRAFFIC LEGEND:
1000 YEAR 2014 ADT
1000 YEAR 2034 ADT
1000 YEAR 2044 ADT
PROBABLE SIGNALIZED INTERSECTION

0 100 200 300 400
N
PROPOSED FM 552
DISMORE LN
℄ PFM552
FM552-1
℄ PSH66 STA 364+79.12=
℄ PFM551 STA 285+80.12
PROPOSED FM 552 STOP CONTROLLED
12" NTMWD
SH66ALIGN-1
66 TEXAS
L39
L40
L41
℄ PSH66
PROP 3-10'x9' RCB
PROP DRAINAGE EASEMENT TO GRADE EX CHANNEL
REMOVE EXIST 3-10'x9' RCB
100 YR FEMA FLOODPLAIN LIMITS
REMOVE EXIST 2-8'x8' RCB
PROP DRAINAGE EASEMENT TO GRADE EX CHANNEL
MUSTANG RD
PARKER CREEK TRIBUTARY 8
PROP 2-8'x8' RCB
EXISTING FM 552
SH66ALIGN-2
EX SH66 ℄ ALIGNMENT
MATCH LINE STA. 346+85.75 BACK= STA. 347+00 AHEAD SEE SHEET 3 CSJ:TO BE DETERMINED
MATCH LINE STA. 385+00
MATCH LINE STA. 385+00
FM 1138
℄ PSH66 STA 388+93.44= EX INTERSECTION: FM 1138 STOP CONTROL
SH66ALIGN-3
EX SH66 ℄ ALIGNMENT
PARKER CREEK
BEGIN BRIDGE ℄ PSH66 STA 412+00
END BRIDGE ℄ PSH66 STA 414+00
SH66ALIGN-4
L42
L43
L44
℄ PSH66 STA 426+17.65= EX INTERSECTION: SORRELS RD / FLOYDS RD STOP CONTROL
FLOYD RD.
SORRELS RD.
DEAN DR.
SH66ALIGN-5
MATCH LINE STA. 459+00 SEE SHEET 5 CSJ:TO BE DETERMINED
350+00
355+00
360+00
365+00
370+00
375+00
380+00
390+00
395+00
400+00
405+00
410+00
415+00
420+00
425+00
430+00
435+00
440+00
445+00
450+00
455+00

NOTE: MEDIAN OPENINGS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL MEDIAN OPENING LOCATIONS TO BE DETERMINED DURING PS&E AND IN COORDINATION WITH LOCAL GOVERMENT.

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60% SUBMITTAL
Preliminary, Subject to Change

BASELINE	CURVE	P.I. STA	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	P.C. STA	P.T. STA	BACKTANGENT	AHEAD TANGENT
PSH66 (45 MPH)	SH66ALIGN-1	359+52.74	64° 05' 46.11"	940.00	588.47	1,051.57	N 31° 14' 21.49" E	353+64.27	364+15.84	N 0° 48' 31.57" W	N 63° 17' 14.54" E
	SH66ALIGN-2	377+85.90	24° 59' 38.20"	940.00	208.34	410.05	N 75° 47' 03.64" E	375+77.56	379+87.61	N 63° 17' 14.54" E	N 88° 16' 52.74" E
	SH66ALIGN-3	399+89.24	14° 37' 26.72"	2,000.00	256.63	510.48	N 80° 58' 09.38" E	397+32.60	402+43.08	N 88° 16' 52.74" E	N 73° 39' 26.02" E
	SH66ALIGN-4	425+46.37	3° 42' 01.06"	5,000.00	161.51	322.91	N 71° 48' 25.49" E	423+84.86	427+07.77	N 73° 39' 26.02" E	N 69° 57' 24.96" E
	SH66ALIGN-5	458+30.05	3° 01' 52.01"	1,945.00	51.46	102.9	N 71° 28' 20.97" E	457+78.59	458+81.49	N 69° 57' 24.96" E	N 72° 59' 16.97" E
PFM552 (40 MPH)	FM552-1	281+30.62	70° 02' 35.94"	675.00	473.02	825.18	S 56° 08' 37.58" E	276+57.60	284+82.78	N 88° 50' 04.44" E	S 2° 07' 19.61" E

PROPOSED FM 552
BEGIN FM 552 CONSTRUCTION ℄ PFM552 STA 275+76.64 EL= 578.72 MATCH EXISTING PAVEMENT
STA =278+00.00 EL = 573.74 ex = 0.36' K = 140 L = 200.00
VPT STA 279+00.00 EL. 572.95
END FM 552 CONSTRUCTION ℄ PFM552 STA 285+29.88 EL= 567.94 MATCH PROPOSED SH66 PAVEMENT
FM 552 PROP PGL
VPC STA 277+00.00 EL. 575.97
EX GROUND @ FM 552
-2.23%
-0.80%
-0.80%
595
585
575
565
555
275+00
280+00
285+00
MATCH LINE STA. 346+85.75 BACK= STA. 347+00 AHEAD SEE SHEET 3 CSJ:TO BE DETERMINED
PROPOSED SH 66
EX GROUND @ PSH66
PSH66 PROP PGL
STA = 350+00.00 EL = 567.28 ex = 0.52' K = 96 L = 200.00
PSH 66 STA 348+38.00 PROP. 2- 8'x 8' RCB FL = 555.25
STA = 359+00.00 EL = 580.01 ex = -1.56' K = 128 L = 400.00
STA = 362+00.00 EL = 574.88 ex = -0.13' K = 390 L = 200.00
STA =365+00.00 EL = 568.22 ex = 0.41' K = 123 L = 200.00
PSH 66 STA 370+09.80 PROP. 3- 10'x 9' RCB FL= 552.64
STA = 372+00.00 EL = 564.02 ex = 0.22' K = 146 L = 160.00
STA = 375+00.00 EL = 565.52 ex = -0.37' K = 133 L = 200.00
STA = 378+00.00 EL = 571.52 ex = -0.30' K = 168 L = 200.00
VPC STA 377+00.00 EL. 569.52
VPT STA 379+00.00 EL. 572.53
-0.67%
+1.41%
-1.71%
-2.22%
-0.60%
+0.50%
+2.00%
+0.81%
590
580
570
560
550
540
350+00
355+00
360+00
365+00
370+00
375+00
380+00
385+00
MATCH LINE STA. 385+00
MATCH LINE STA. 385+00
STA = 391+00.00 EL = 582.04 ex = -1.30' K = 154 L = 400.00
STA = 395+00.00 EL = 574.89 ex = -0.04' K = 1362 L = 200.00
STA = 398+50.00 EL = 568.12 ex = -0.06' K = 899 L = 200.00
STA = 406+00.00 EL = 551.95 ex = 0.25' K = 200 L = 200.00
STA =409+00.00 EL = 548.48 ex = 0.42' K = 118 L = 200.00
PSH 66 STA 413+00 PROP. 200' BRIDGE (65'-70'-65') TX28 I-GIRDERS
EX GROUND @ PSH66 ROW
STA =418+00.00 EL = 553.26 ex = 0.32' K = 159 L = 200.00
STA =428+83.00 EL = 572.66 ex = -0.12' K = 404 L = 200.00
STA = 433+00.00 EL = 578.07 ex = -0.56' K = 139 L = 250.00
STA = 438+00.00 EL = 575.57 ex = -0.56' K = 140 L = 250.00
STA = 446+00.00 EL = 557.23 ex = 1.07' K = 106 L = 300.00
STA = 456+00.00 EL = 562.73 ex = -1.48' K = 135 L = 400.00
+0.81%
-1.79%
-1.93%
-2.16%
-1.16%
+0.53%
+1.79%
+1.30%
-0.50%
-2.88%
-2.29%
+0.55%
-2.42%
MATCH LINE STA. 459+00 SEE SHEET 5 CSJ:TO BE DETERMINED
610
600
590
580
570
560
550
540
530
520
510
500
490
385+00
390+00
395+00
400+00
405+00
410+00
415+00
420+00
425+00
430+00
435+00
440+00
445+00
450+00
455+00

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Dallas District Design Schematic
William L. Hale, P.E., District Engineer

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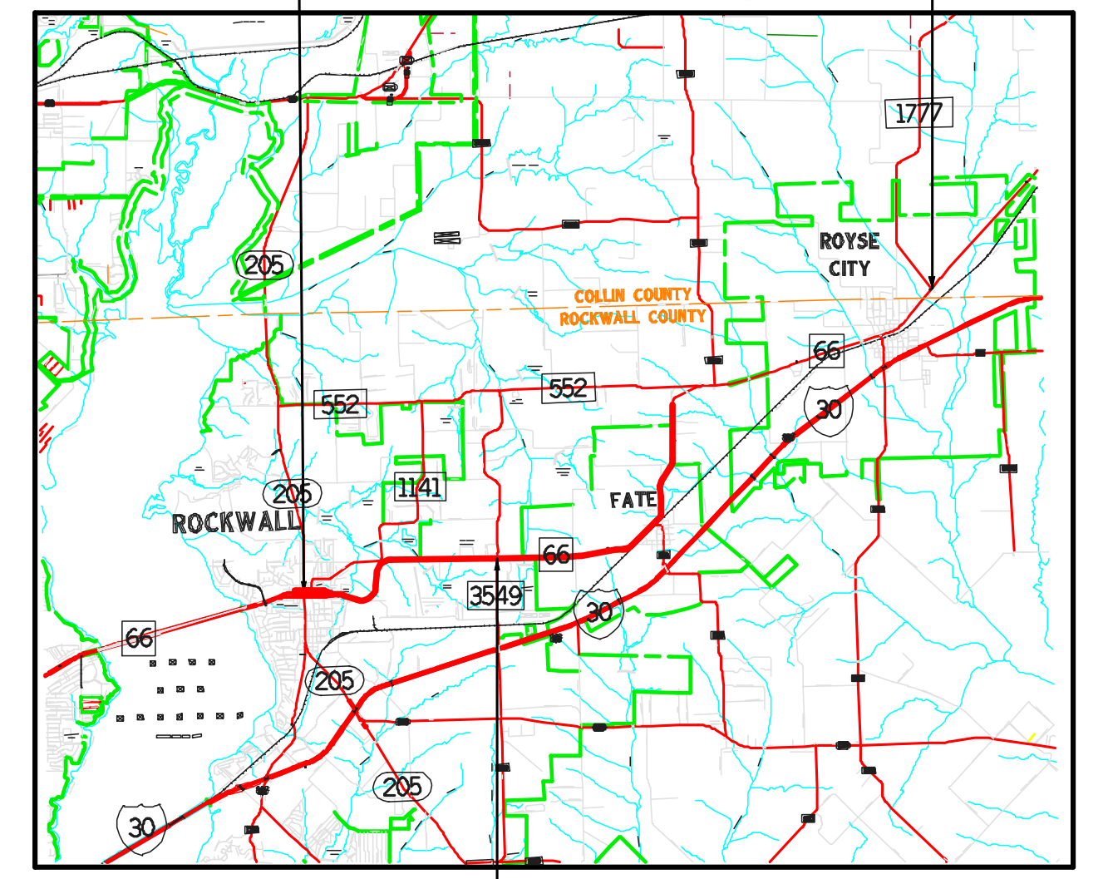

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Roll 4 of 5