Texas Department of Transportation

Dallas District Design Schematic

William L. Hale, P.E., District Engineer

SH 66

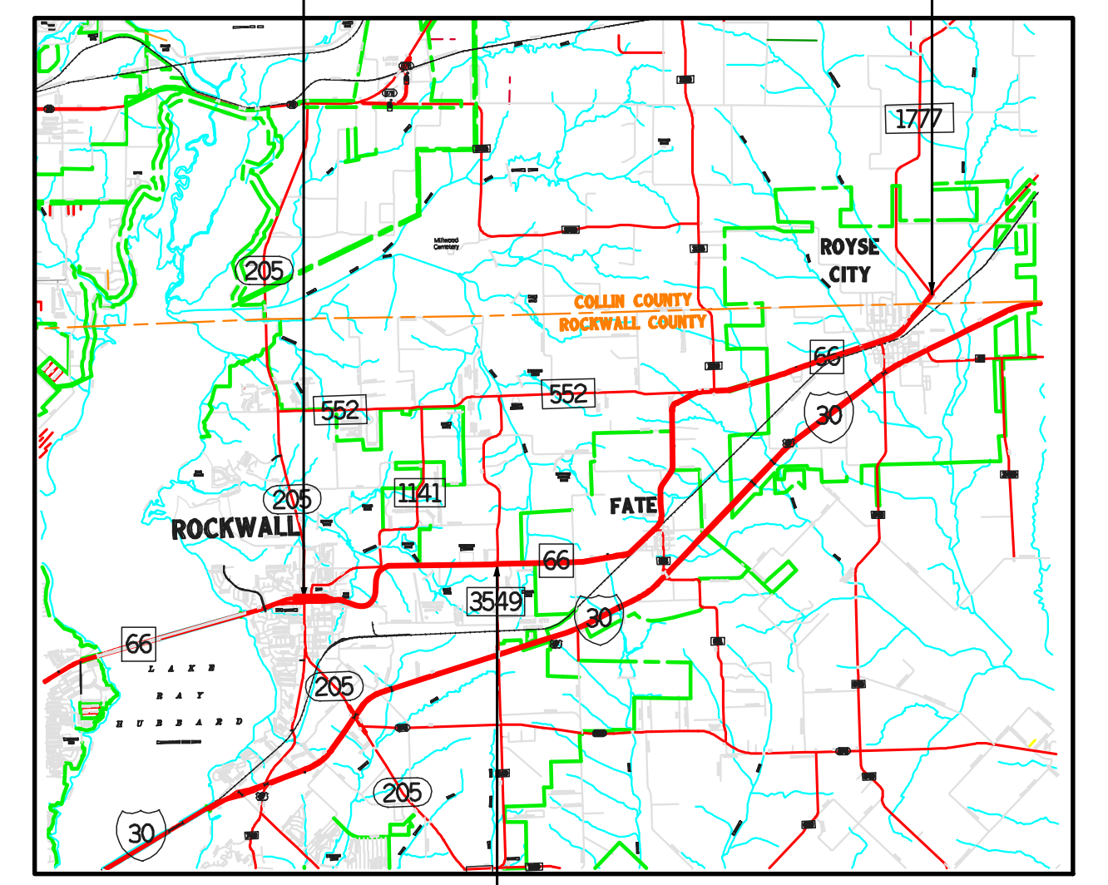
Rockwall & Collin County
From: SH 205
To: FM 1777
Project Length: 10.24 Miles
Functional Class:
Urban Principal Arterial

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
205
ROYSE CITY
COLLIN COUNTY
ROCKWALL COUNTY
552
552
66
30
ROCKWALL
1141
FATE
3549
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 2 of 5

SCHEMATIC PREPARED BY:
HALFF ASSOCIATES, INC.
REGISTRATION NUMBER 312
FOR INTERIM REVIEW ONLY
NOT FOR PERMITTING, BIDDING
OR CONSTRUCTION.
Prepared by or under the
Direct Supervision of:

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Chad R Gardiner	93793
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1-25-2013
DATE

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Roll 2 of 5

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 NRHP SITE
- ★ POTENTIAL HISTORIC PROPERTY (SEE NOTE 12)

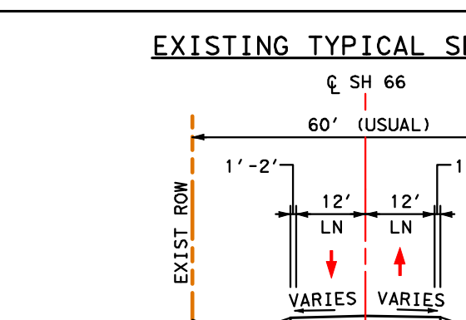
NOTES

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

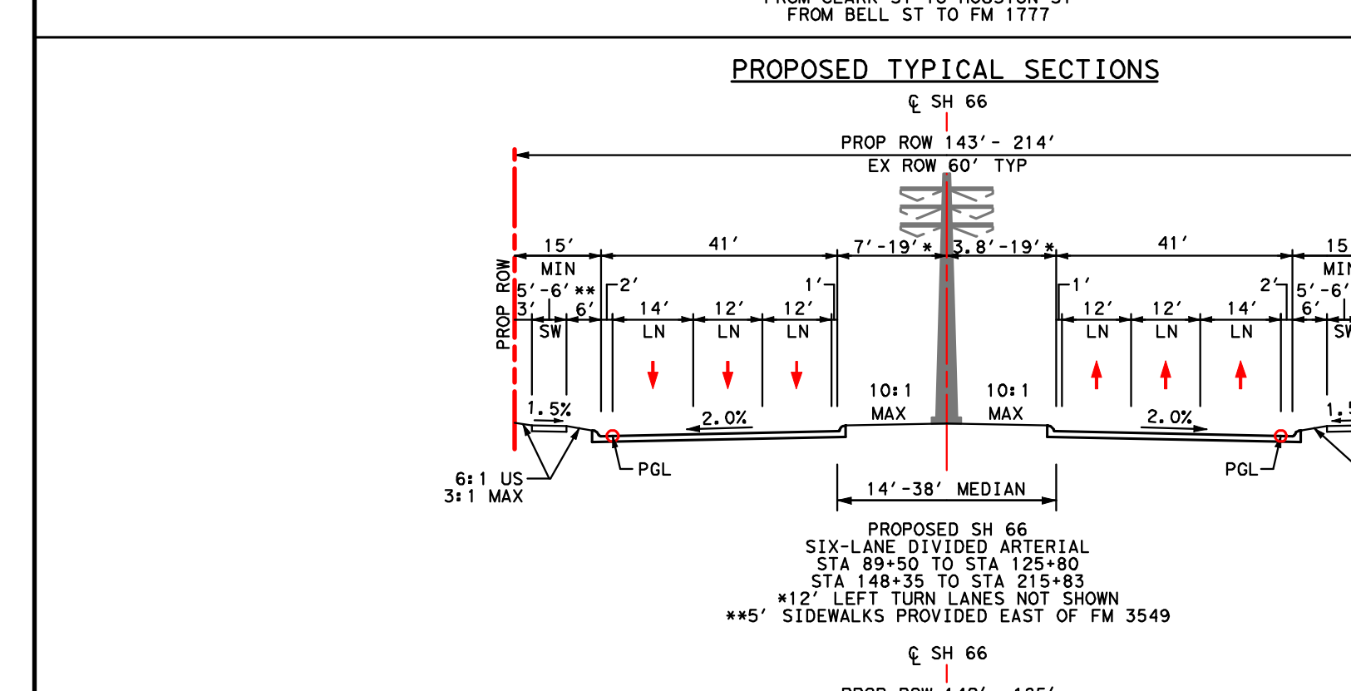
ROLL 1: STA 10+00 TO 122+00
ROLL 2: STA 122+00 TO 237+00
ROLL 3: STA 237+00 TO 347+00
ROLL 4: STA 347+00 TO 459+00
ROLL 5: STA 459+00 TO 556+42

EXISTING TYPICAL SECTIONS

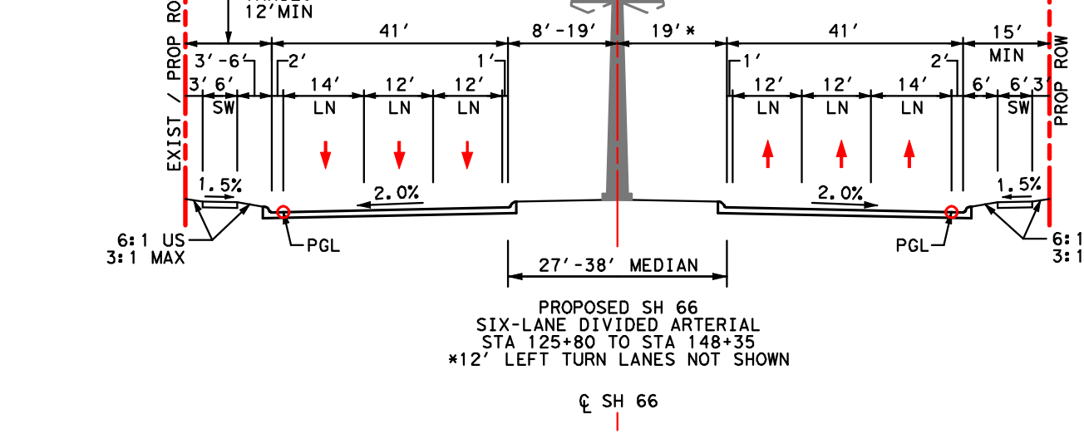

℄ SH 66
60' (USUAL)
1'-2'
1'-2'
12'
12'
LN
LN
VARIES
VARIES
EXIST ROW
EXIST ROW
3:1 TYP
1:1 MAX
3:1 TYP
1:1 MAX

EXISTING SH 66
TWO-LANE UNDIVIDED RURAL HIGHWAY
FROM CLARK ST TO HOUSTON ST
FROM BELL ST TO FM 1777

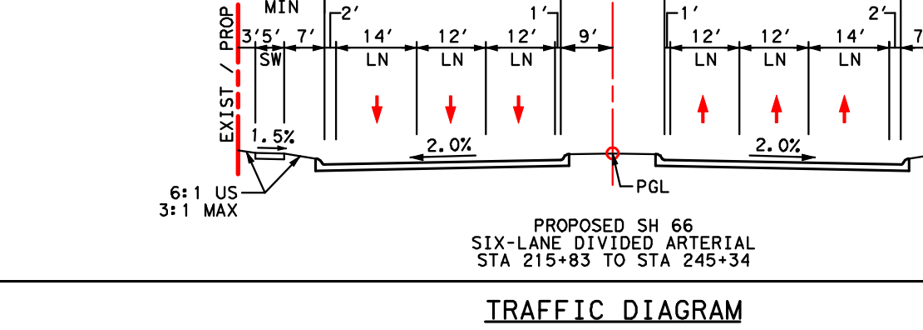
PROPOSED TYPICAL SECTIONS


℄ SH 66
PROP ROW 143'- 214'
EX ROW 60' TYP
15' MIN
41'
7'-19'*
3.8'-19'*
41'
15' MIN
5'-6'**
2'
14'
12'
12'
LN
LN
LN
SW
10:1 MAX
10:1 MAX
1.5%
2.0%
2.0%
1.5%
PGL
PGL
14'-38' MEDIAN
6:1 US
3:1 MAX
PROP ROW

PROPOSED SH 66
SIX-LANE DIVIDED ARTERIAL
STA 89+50 TO STA 125+80
STA 148+35 TO STA 215+83
*12' LEFT TURN LANES NOT SHOWN
**5' SIDEWALKS PROVIDED EAST OF FM 3549


℄ SH 66
PROP ROW 142'- 185'
EX ROW 60' TYP
VARIES
12' MIN
41'
8'-19'
19'*
41'
15' MIN
3'-6'
2'
14'
12'
12'
LN
SW
1.5%
2.0%
2.0%
1.5%
PGL
PGL
27'-38' MEDIAN
6:1 US
3:1 MAX
EXIST / PROP ROW
PROP ROW

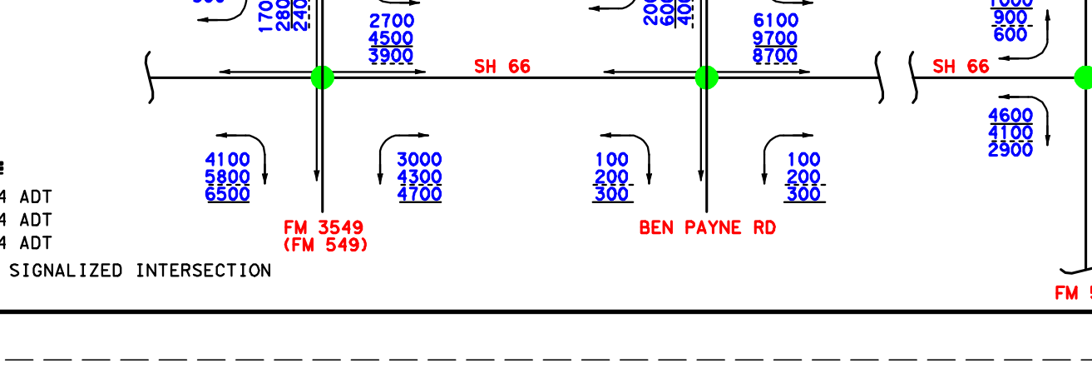
PROPOSED SH 66
SIX-LANE DIVIDED ARTERIAL
STA 125+80 TO STA 148+35
*12' LEFT TURN LANES NOT SHOWN


℄ SH 66
PROP ROW 130'- 175'
EX ROW 60' TYP
15'
41'
*18'
41'
15'
MIN
3'5'
7'
14'
12'
12'
9'
LN
SW
1.5%
2.0%
2.0%
1.5%
PGL
6:1 US
3:1 MAX
EXIST / PROP ROW
PROP ROW

* MEDIAN TRANSITIONS FROM 33' TO 18' FROM STA 215+83 TO 218+66
12' LEFT TURN LANES NOT SHOWN

PROPOSED SH 66
SIX-LANE DIVIDED ARTERIAL
STA 215+83 TO STA 234+54

TRAFFIC DIAGRAM


1400
1300
900
1700
2000
2400
1200
1000
700
2700
4500
3900
SH 66
4100
5800
6500
3000
4300
4700
FM 3549
(FM 549)
400
300
200
800
300
200
400
300
200
6100
9700
8700
SH 66
100
200
300
100
200
300
BEN PAYNE RD
1000
900
600
SH 66
SH 66
2100
1800
1300
4600
4100
2900
FM 551

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

N
0 100 200 300 400
NOTE: 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.
MATCH LINE STA. 122+00 SEE SHEET 1
CSJ: 0009-04-060
SQUABBLE CREEK TRIBUTARY H-2.1
PROP DRAINAGE EASEMENT TO GRADE EX CHANNEL
REMOVE EXIST 1-36" RCP
REST HAVEN MEMORIAL PERPETUAL CARE CEMETERY
OLE W LN
66 TEXAS
SH 66
BEGIN RETAINING WALL 64.62' LT ℄ PSH66 STA 127+49.94
END RETAINING WALL 56.64' LT ℄ PSH66 STA 131+50.00
PROP 2-6'x6' RCB
PROP DRAINAGE EASEMENT TO GRADE EX CHANNEL
100 YR FEMA FLOODPLAIN LIMITS
BEGIN RETAINING WALL 67.50' RT ℄ PSH66 STA 125+00.00
END RETAINING WALL 67.50' RT ℄ PSH66 STA 130+75.00
BEGIN RETAINING WALL 67.5' RT ℄ PSH66 STA 141+00.00
℄ PSH66
REMOVE EXIST 1-5'x4' RCBC
L17
L18
L19
L20
L21
L22
L23
L24
L27
L28
L29
L30
125+00
130+00
135+00
140+00
145+00
150+00
155+00
160+00
165+00
170+00
175+00
180+00
185+00
190+00
195+00
200+00
205+00
210+00
215+00
220+00
225+00
230+00
235+00
ZION HILL CIRCLE
ROCKWALL BIBLE CHURCH
PROP 2-6'x4' RCB
PROP DRAINAGE EASEMENT TO GRADE EX CHANNEL
END RETAINING WALL 67.50' RT ℄ PSH66 STA 147+00.00
EX SH 66 ALIGNMENT
℄ PSH66 STA 159+00
END CSJ: 0009-04-060
BEGIN CSJ: TO BE DETERMINED
℄ PSH66 STA 159+00
EX INTERSECTION SIGNALIZED
PSH66-6
PSH66-7
PSH66-8
PSH66-9
CITY OF ROCKWALL
FM 3549
FM 3549 PAVING (BY OTHERS)
HILLSIDE DR
CITY OF FATE
100 YR FEMA FLOODPLAIN LIMITS
PROP DRAINAGE EASEMENT TO GRADE EX CHANNEL
EXISTING 2-8'x6' RCBC TO REMAIN AND HEADWALLS TO BE REMOVED
PROP DRAINAGE EASEMENT TO GRADE EX CHANNEL
PROP 2-8'x6' RCB
CAMP CREEK
PROP 1-5'x3' RCB
REMOVE EXIST 1-15" RCP
BEGIN RETAINING WALL 67.50' LT ℄ PSH66 STA 202+00.00
END RETAINING WALL 67.50' LT ℄ PSH66 STA 206+00.00
BEN PAYNE RD
℄ PSH66 STA 211+60
EX INTERSECTION: TWO-WAY STOP CONTROL ON BEN PAYNE RD
WOODCREEK BLVD
REMOVE EXIST 2-8'x2.5' RCBC
PROP 3-8'x4' RCB
PROP DRAINAGE EASEMENT TO GRADE EX CHANNEL
℄ PSH66 STA 229+00
EX INTERSECTION: WOODCREEK BLVD STOP CONTROLLED
MATCH LINE STA. 237+00 SEE SHEET 3
CSJ: TO BE DETERMINED
60% SUBMITTAL
Preliminary, Subject to Change

PARCEL	OWNER	PARCEL ADDRESS	OCCUPANT
N194	CAIN FAMILY PARTNERSHIP, LTD.	2294 HWY 66	RESIDENT
N195	CAIN FAMILY PARTNERSHIP, LTD.	2294 HWY 66	BARN
N196	CAIN FAMILY PARTNERSHIP, LTD.	HILL LN	PARKING LOT
N197	REST HAVEN FUNERAL HOMES, INC.	2500 HWY 66	REST HAVEN FUNERAL HOME
N198	CAIN CEMETERY CORP.	2500 HWY 66	CEMETERY
N199	TIM BRIMELOW	2055 HWY 66	LANDSCAPE SOURCE
N200	LAKE RAY HUBBARD CHURCH	801 ZION HILL CIRCLE	ROCKWALL BIBLE CHURCH
N201	JEAN-PAUL AUBE, JR.	ZION HILLS CIRCLE	PARKING LOT
N202	JEAN-PAUL AUBE, JR.	2860 HWY 66	ROCKWALL INSURANCE / GENESIS RESOURCES
N203	TA LAND HOLDINGS LLC	2185 WILLIAMS ST	RESIDENT
N205	SHERI S. FOWLER	2974 HWY 66	RESIDENT
N206	W.W. STODGHILL	FM 3549 STODGHILL RD	UNDEVELOPED
N207	WILLIAM G.A. STEVENSON	HWY 66	UNDEVELOPED

PARCEL	OWNER	PARCEL ADDRESS	OCCUPANT
N208	WILLIAM G.A. STEVENSON	HWY 66	RESIDENT
N209	G.L. PAYNE	1801 HOLIDAY DR	RESIDENT
N210	FATE LAND, L.P.	HWY 66	UNDEVELOPED
N211	NORTH TEXAS MUNICIPAL WATER DISTRICT	HWY 66	UNDEVELOPED
N212	CASH WATER SUPPLY CORP.	HWY 66	UNDEVELOPED
N213	PRA/FATE DEVELOPMENT CORP.	HWY 66/BEN PAYNE	UNDEVELOPED
N214	HSAIO LAN PERRY	268 ZETER DR	RESIDENT
N215	HENRY G. RAMOS	264 ZETER DR	RESIDENT
N216	JILL R. & COREY NICHOLS	258 ZETER DR	RESIDENT
N217	REGINALD & KATHLEEN SANDERFER	252 ZETER DR	RESIDENT
N218	JASON WILLIAM & NATASHA MARIE	451 PRICE DR	RESIDENT
N219	WOODCREEK FATE H.O.A.	450 PRICE DR	RESIDENT
N220	CITY OF FATE	HWY 66	DRAINAGE DITCH

PARCEL	OWNER	PARCEL ADDRESS	OCCUPANT
N221	WOODCREEK FATE H.O.A.	100 WOODCREEK BLVD	UNDEVELOPED
N222	PHILIP E. WETZEL	913 W HOLIDAY DR	IRONWARE INTERNATIONAL HOUSE OF PAIN
N223	PHILIP E. WETZEL	911 W HOLIDAY DR	IRONWARE INTERNATIONAL HOUSE OF PAIN
S173	BILL K. RYAN	770 DAVIS DR	RESIDENT
S174	CAIN REVOCABLE FAMILY TRUST	HWY 66	UNDEVELOPED
S175	CAIN CEMETERY CORP.	HWY 66	UNDEVELOPED
S176	CAIN CEMETERY CORP.	HWY 66	UNDEVELOPED
S177	JAMES E. & MARTHA SPLAWN	2755 HWY 55	RESIDENT
S178	JOHN KEITH TAYLOR	2897 HWY 66	ROCKWALL COUNTY VETERINARY CLINIC
S180	HOME BOY ENTERPRISES INC.	2975 HWY 66	EXXON GAS STATION
S181	BRIAN THOMAS & SANDRA R. LEATH	3 HILLSIDE DR	RESIDENT / COMMERCIAL
S183	LARRY LIVELY	23 HILLSIDE DR	RESIDENT
S184	HURBERT WESLEY JOPLIN	3167 HWY 66	RESIDENT
S185	DONALD R. & ANGELA ACKERSON	HWY 66	UNDEVELOPED

PARCEL	OWNER	PARCEL ADDRESS	OCCUPANT
S186	DONALD R. & ANGELA ACKERSON	3249 HWY 66	RESIDENT
S187	MARVIN E. & JOYCE J. SALDEEN	3375 HWY 66	RESIDENT
S188	ANN JANE FULKERSON	3427 HWY 66	RESIDENT
S189	JOHN WILLIAM & MARGARET A. JUNKIN	2104 W HOLIDAY	RESIDENT
S190	CHARLES R. & DEBRA ALLEN	2100 W HOLIDAY	RESIDENT
S191	MICHAEL B. & KERI REYNOLDS	2000 W HOLIDAY	RESIDENT
S193	PRISCILLA JOAN BURGIEL	HWY 66	UNDEVELOPED (BARN)
S194	PHILIP R. & FRANCES H. SPARKS	HWY 66	UNDEVELOPED (BARN)
S195	KENNETH & CARA BAKER	HWY 66	RESIDENT
S196	LEONARD G. & JUNE A. WOODRUFF	1800 W HOLIDAY	UNDEVELOPED (BARN)
S197	RONALD G. & LYNDA E. HALE	1700 W HOLIDAY	RESIDENT
S198	JERRY D. MORGAN	1604 HOLIDAY DR	RESIDENT
S199	ROBERT CHAMBERS	1600 HWY 66	RESIDENT
S200	D-F FUND VILLCD-F FUND 18 LLC	BEN PAYNE	UNDEVELOPED

LEFT TURN BAY LENGTHS

TURN LANE	TAPER LENGTH	DECEL LENGTH	STORAGE LENGTH	TOTAL LENGTH
L18	100'	345'	100'	445'
L19	100'	345'	100'	445'
L20	100'	345'	100'	445'
L21	100'	320'	100'	420'
L22	150'	345'	477'	822'
L23	100'	345'	100'	445'
L24	100'	345'	100'	445'
L27	100'	345'	100'	445'
L28	100'	345'	100'	445'
L29	100'	345'	100'	445'
L30	100'	345'	100'	445'

BASELINE	CURVE	P.I. STA	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STA	P.T. STA	BACK TANGENT	AHEAD TANGENT
PSH66 (45 MPH)	PSH66-6	159+08.15	2° 35' 48.70"	3000.00	68.00	135.97	N 87° 56' 13.84" E	135.96	158+40.15	159+76.12	N 89° 14' 08.19" E	N 86° 38' 19.49" E
	PSH66-7	163+09.76	2° 07' 06.98"	3000.00	55.47	110.93	N 87° 41' 52.98" E	110.92	162+54.29	163+65.22	N 86° 38' 19.49" E	N 88° 45' 26.47" E
	PSH66-8	207+37.92	0° 32' 17.58"	12000.00	56.36	112.72	N 88° 29' 17.68" E	112.72	206+81.56	207+94.28	N 88° 45' 26.47" E	N 88° 13' 08.89" E
	PSH66-9	217+44.70	8° 14' 59.75"	1000.00	72.12	143.99	N 84° 05' 39.02" E	143.86	216+72.58	218+16.57	N 88° 13' 08.89" E	N 79° 58' 09.14" E

PROPOSED SH 66 PROFILE

Texas Department of Transportation

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

SH 66

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

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
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FM 551 - 30 mph

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STA. 12+64

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End CSJ: TO BE DETERMINED
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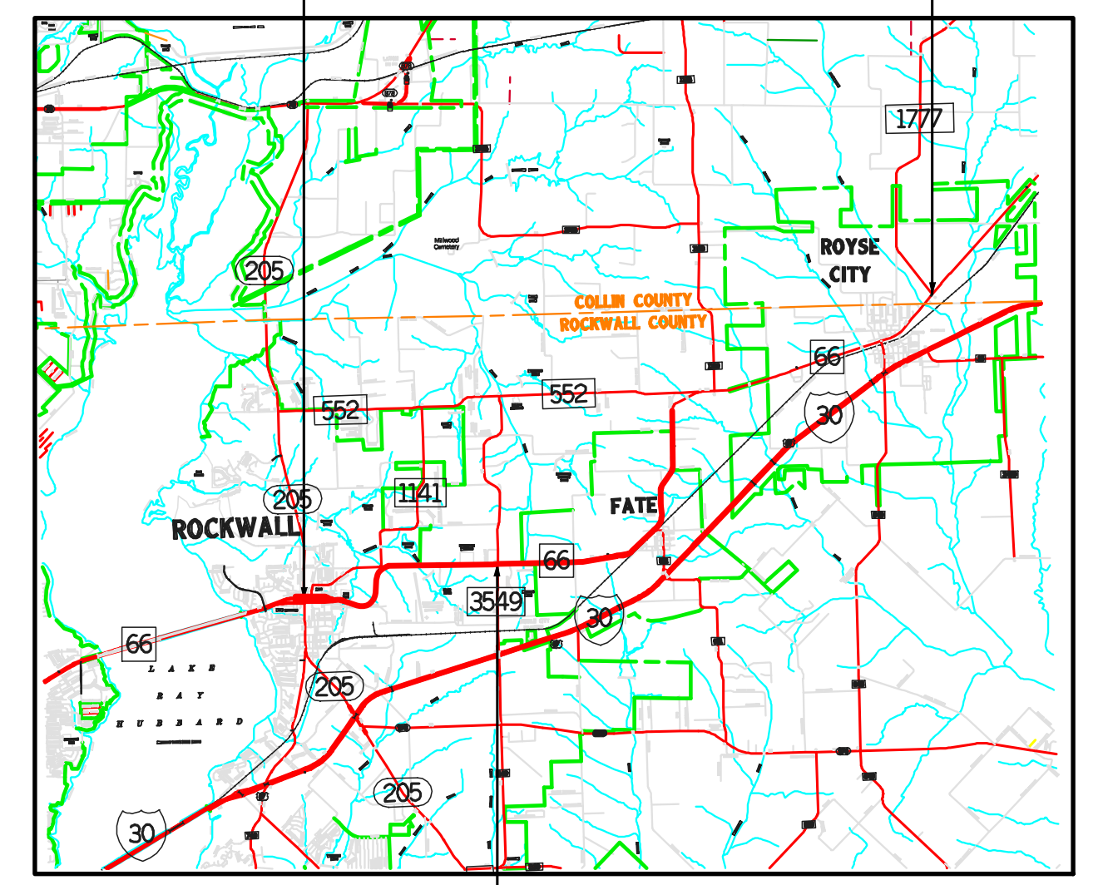
1777
205
ROYSE CITY
COLLIN COUNTY
ROCKWALL COUNTY
552
552
66
30
ROCKWALL
1141
FATE
3549
66
66
205
205
30

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

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

JANUARY 2013
Roll 2 of 5

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1-25-2013
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HALFF

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Roll 2 of 5