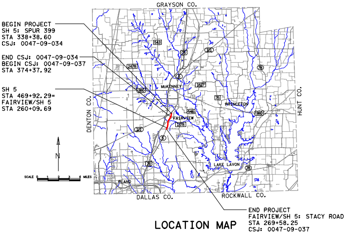
Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED K. BUR, P.E., DISTRICT ENGINEER
COLLIN COUNTY
SH 5
PROJECT LIMIT: STACY ROAD
TO SPUR 399
CONTROL: 0047-09-037/0047-09-034
FUNCTIONAL CLASS: URBAN MINOR ARTERIAL
DESIGN SPEED: 35 mph MAINLANE
30 mph CROSS STREETS
PROJECT LENGTH: 2.670 MILES (14,102.25 FT.)


GRAYSON CO.
BEGIN PROJECT
SH 5: SPUR 399
STA 338+38.60
CSJ: 0047-09-034
END CSJ: 0047-09-034
BEGIN CSJ: 0047-09-037
STA 374+37.92
SH 5
STA 469+92.29=
FAIRVIEW/SH 5
STA 260+09.69
McKINNEY
PRINCETON
FAIRVIEW
LAKE LAVON
PLANO
DENTON CO.
HUNT CO.
DALLAS CO.
ROCKWALL CO.
N
SCALE
MILES
END PROJECT
FAIRVIEW/SH 5: STACY ROAD
STA 269+58.25
CSJ: 0047-09-037

LOCATION MAP

SHEET INDEX

ROLL 1: PLAN AND PROFILE - BEGIN PROJECT TO STA 425+00
ROLL 2: PLAN AND PROFILE - STA 425+00 TO STA 369+00
ROLL 3: PLAN AND PROFILE - STA 369+00 TO END PROJECT
ROLL 4: CROSS STREETS PLAN AND PROFILE
ROLL 5: INTERIM & CROSS STREETS PLAN AND PROFILE
ROLL 6: SUP PLAN - BEGIN PROJECT TO STA 425+00
ROLL 7: SUP PLAN - STA 425+00 TO STA 369+00
ROLL 8: SUP PLAN - STA 369+00 TO END PROJECT
ROLL 9: HORIZONTAL ALIGNMENT DATA
ROLL 10: HORIZONTAL ALIGNMENT DATA

NOVEMBER 2021
SCALE: 1"=100′ H, 1"=10′V
ROLL 3 OF 10

Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY
TBPE FIRM REGISTRATION NO. 2614

PRELIMINARY FOR INTERIM REVIEW ONLY

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

NAME	P.E. NO.	DATE
NANCY D. MITCHELL	79762	11/18/2021

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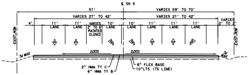
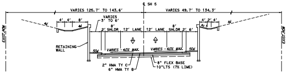
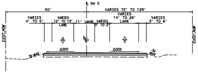

℄ SH 5
51′
VARIES 59′ TO 70′
VARIES 27′ TO 42′
VARIES 21′ TO 42′
4′
11′ LANE
VARIES 2′ TO 6′ PAINTED CLOSED
10′ LANE
VARIES 0′ TO 2′
EXIST. ROW
2.00%
3:1 MAX
2" HMA TY C
6" HMA TY B
8" FLEX BASE
10"LTS (7% LIME)

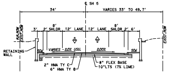
EXISTING SH 5 TYPICAL SECTION
STA. 475+70.00 TO STA. 477+28.91


℄ SH 5
VARIES 125.7′ TO 143.6′
VARIES 49.7′ TO 134.3′
VARIES 3′ TO 6′
2′ SHLDR
12′ LANE
RETAINING WALL
VARIES - 40% MAX.
EXIST. ROW
2" HMA TY C
6" HMA TY B
8" FLEX BASE
10"LTS (7% LIME)

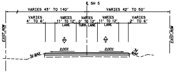
EXISTING SH 5 TYPICAL SECTION
STA. 401+15.00 TO STA. 406+93.30


℄ SH 5
50′
VARIES 72′ TO 129′
VARIES 4′ TO 5′
VARIES 12′ TO 13′ LANE
11′ LANE
VARIES 0′ TO 2′
VARIES 14′ TO 26′ LANE
VARIES 3′ TO 6′
EXIST. ROW
2.00%
3:1 MAX

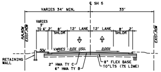
EXISTING SH 5 TYPICAL SECTION
STA. 473+20.00 TO STA. 475+70.00


℄ SH 5
34′
VARIES 33′ TO 49.7′
2′ SHLDR
12′ LANE
RETAINING WALL
VARIES - 20% USU.
2.00%
EXIST. ROW
2" HMA TY C
6" HMA TY B
8" FLEX BASE
10"LTS (7% LIME)

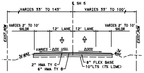
EXISTING SH 5 TYPICAL SECTION
STA. 397+43.80 TO STA. 401+15.00


℄ SH 5
VARIES 43′ TO 140′
VARIES 42′ TO 50′
VARIES 4′ TO 6′
VARIES 11′ TO 12′ LANE
VARIES 0′ TO 12′ TURN LANE
VARIES 11′ TO 12′ LANE
VARIES 2′ TO 6′
EXIST. ROW
2.00%
3:1 MAX

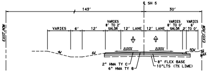
EXISTING SH 5 TYPICAL SECTION
STA. 420+45.00 TO STA. 449+50.00
STA. 449+50.00 TO STA. 473+20.00


℄ SH 5
VARIES 34′ MIN.
33′
SHLDR
12′ LANE
RETAINING WALL
VARIES - 20% USU.
2.00%
EXIST. ROW
2" HMA TY C
6" HMA TY B
8" FLEX BASE
10"LTS (7% LIME)

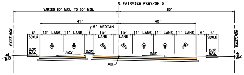
EXISTING SH 5 TYPICAL SECTION
STA. 395+00.00 TO STA. 397+43.80


℄ SH 5
VARIES 33′ TO 143′
VARIES 33′ TO 100′
VARIES 2′ TO 10′ SHLDR
12′ LANE
VARIES - 20% USU.
2.00%
3:1 MAX
EXIST. ROW
2" HMA TY C
6" HMA TY B
8" FLEX BASE
10"LTS (7% LIME)

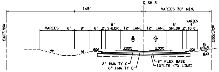
EXISTING SH 5 TYPICAL SECTION
BEGIN PROJECT TO STA. 395+00.00
STA. 411+85.00 TO STA. 420+45.00


℄ SH 5
143′
30′
VARIES
6′
12′
VARIES 8′ TO 2′ SHLDR
12′ LANE
VARIES 8′ TO 0′ SHLDR
VARIES 2′ TO 0′
EXIST. ROW
2.00%
2" HMA TY C
6" HMA TY B
8" FLEX BASE
10"LTS (7% LIME)

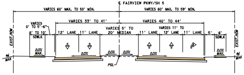
EXISTING SH 5 TYPICAL SECTION
STA. 408+69.20 TO STA. 411+85.00


℄ FAIRVIEW PKWY/SH 5
VARIES 60′ MAX. TO 50′ MIN.
60′
41′
40′
5′ MEDIAN
6′ SDWLK
12′ LANE
11′ LANE
10′ LANE
2.0% MAX.
2.0%
PGL
EXIST. ROW

PROPOSED FAIRVIEW PARKWAY/SH 5 TYPICAL SECTION
FVP/SH 5 CL STA. 266+81.12 TO STA. 268+28.91


℄ SH 5
143′
VARIES 30′ MIN.
VARIES
6′
8′
2′ SHLDR
12′ LANE
EXIST. ROW
2.00%
2" HMA TY C
6" HMA TY B
8" FLEX BASE
10"LTS (7% LIME)

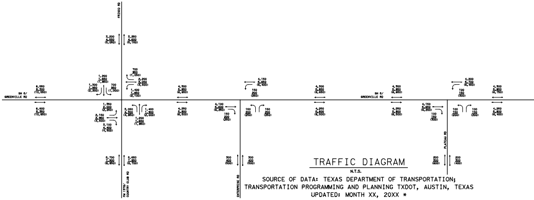
EXISTING SH 5 TYPICAL SECTION
STA. 406+93.30 TO STA. 408+69.20


℄ FAIRVIEW PKWY/SH 5
VARIES 60′ MAX. TO 50′ MIN.
VARIES 60′ MAX. TO 59′ MIN.
VARIES 33′ TO 41′
VARIES 40′ TO 44′
VARIES 0′ TO 5′-6″
6′ TO 10′ SDWLK
12′ LANE
11′ LANE
VARIES 6′ TO 20′ MEDIAN
VARIES 11′ TO 12′ LANE
2.0% MAX.
2.0%
PGL
EXIST. ROW

PROPOSED FAIRVIEW PARKWAY/SH 5 TYPICAL SECTION
FVP/SH 5 CL STA. 261+86.26 TO STA. 266+81.12

TYPICAL SECTIONS

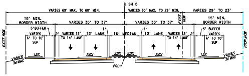
N.T.S.


FRISCO RD
SH 5/ GREENVILLE RD
FM 1378/ COUNTRY CLUB RD
ENTERPRISE RD
PLATEAU RD

TRAFFIC DIAGRAM

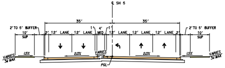
N.T.S.

SOURCE OF DATA: TEXAS DEPARTMENT OF TRANSPORTATION;
TRANSPORTATION PROGRAMMING AND PLANNING TXDOT, AUSTIN, TEXAS
UPDATED: MONTH XX, 20XX *



℄ SH 5
VARIES 69' MAX. TO 60' MIN.
VARIES 30' MAX. TO 29' MIN.
VARIES 29' TO 23'
15' MIN. BORDER WIDTH
VARIES 35' TO 37'
VARIES 35' TO 37'
EXIST. ROW
15' MIN. BORDER WIDTH
5' BUFFER
VARIES 6' TO 10' SUP
2'
VARIES 12' TO 14' LANE
12' LANE
1'
16' MEDIAN
1'
12' LANE
VARIES 12' TO 14' LANE
2'
5' BUFFER
VARIES 6' TO 10' SUP
EXIST. ROW
PROP. ROW
1.5%
2.0%
2.0%
2.0%
2.0%
1.5%
VARIES 3:1 MAX
VARIES 3:1 MAX
PGL

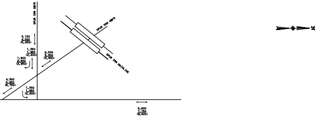
PROPOSED SH 5 TYPICAL SECTION
BEGIN PROJECT TO STA. 375+61.90



℄ SH 5
35'
35'
2' TO 5' BUFFER
10' SUP
2'
12' LANE
12' LANE
1'
4' MED
1'
12' LANE
12' LANE
12' LANE
2'
2' TO 5' BUFFER
10' SUP
1.5%
2.0%
VARIES
2.0%
1.5%
VARIES 3:1 MAX
VARIES 3:1 MAX
PGL

PROPOSED SH 5 TYPICAL SECTION
SB LEFT TURN LANE
(MIRROR FOR NB SECTION)

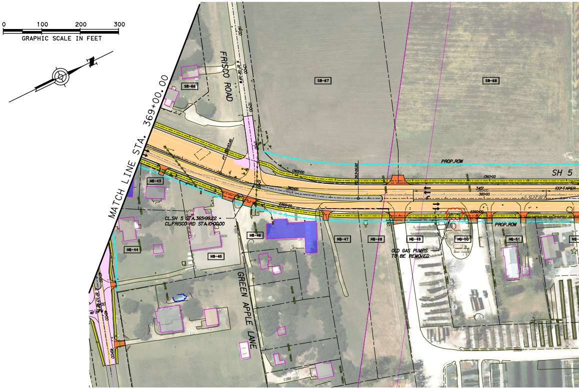
NOTES:
1.) FOR HORIZONTAL GEOMETRY FOR MAINLANE & CROSS STREETS SEE ROLLS 9 & 10 OF 10.
2.) FOR CROSS STREET PROFILES SEE ROLLS 4 & 5 OF 10.



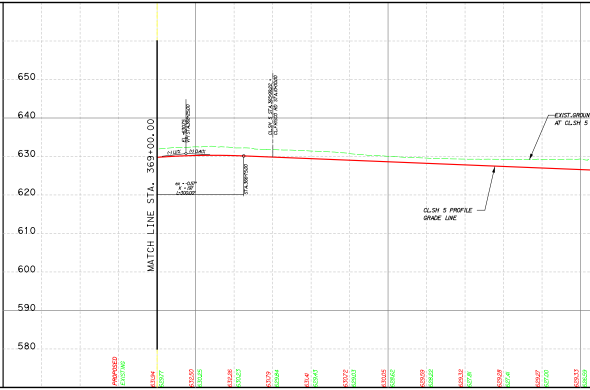
SPUR 399 SBFR
SPUR 399 NBFR
SPUR 399 MAINLINE
5,150
4,600
(5,050)
1,350
1,350
(2,200)
1,800
2,450
(2,850)
2,500
3,300
(3,900)
4,500
5,850
(6,750)
1,350
1,350
(2,200)
5,600
7,750
(8,600)
N

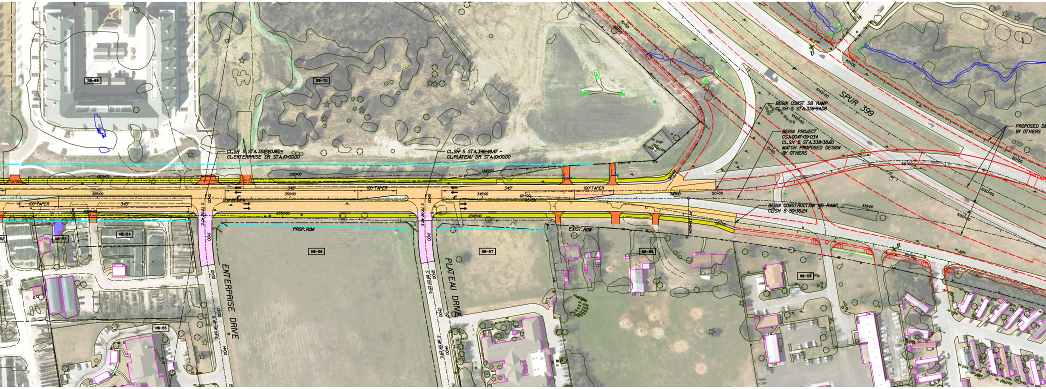
* TRAFFIC PROJECTIONS METHODOLOGY MEMORANDUM
PREPARED UNDER TXDOT OPTION C PROCESS. CURRENTLY UNDER
REVIEW WITH TRANSPORTATION PROGRAMMING AND PLANNING

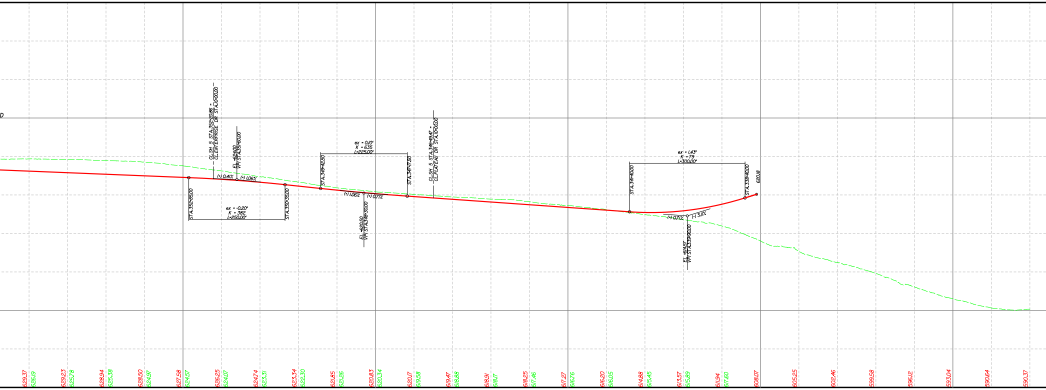
LEGEND
1,000 - 2020 ADT
1,000 - 2028 ADT
(1,000) - 2045 ADT

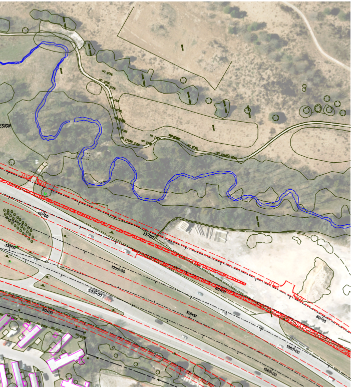


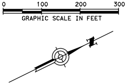
0
100
200
300
GRAPHIC SCALE IN FEET
MATCH LINE STA. 369+00.00
FRISCO ROAD
GREEN APPLE LANE
SH 5
PROP. ROW
PROP. ROW
SB-66
SB-67
SB-68
NB-43
NB-44
NB-45
NB-46
NB-47
NB-48
NB-49
NB-50
NB-51
CL.SH 5 STA.365+99.22 -
CL.FRISCO RD STA.10+00.00
OLD GAS PUMPS
TO BE REMOVED
PT 365+93.45
363+26.92
1365+00
365+00
B365+00
1360+00
360+00
2360+00
345'
100' TAPER
S 10°53'00" W
12+00
11+00




SB-69
SB-70
CL.SH 5 STA.352+20.86 -
CL.ENTERPRISE DR STA.10+00.00
CL.SH 5 STA.346+49.47 -
CL.PLATEAU DR STA.10+00.00
1350+00
1345+00
345'
100' TAPER
350+00
345+00
45+00
2350+00
2345+00
PROP. ROW
EXIST. ROW
10+00
11+00
12+00
13+00
14+00
S 79°06'40" E
NB-53
NB-54
NB-55
NB-56
NB-57
NB-58
NB-59
ENTERPRISE DRIVE
PLATEAU DRIVE
SPUR 399
1045+00
1050+00
50+00
55+00
15+00
340+00
335+00
BEGIN CONST SB RAMP
CL.SH 5 STA.338+94.08
BEGIN PROJECT
CSJ:0047-09-034
CL.SH 5 STA.338+38.60
MATCH PROPOSED DESIGN
BY OTHERS
BEGIN CONSTRUCTION NB RAMP
CL.SH 5 50+36.24
PROPOSED DE
BY OTHERS


CL.SH 5 STA.352+20.86 -
CL.ENTERPRISE DR STA.10+00.00
EL =624.00
VPI STA.351+60.00
(+) 0.41%
(+) 1.06%
STA.352+85.00
STA.350+35.00
ex = -0.20'
K = 382
L=250.00'
ex = 0.10'
K = 635
L=225.00'
STA.349+42.50
STA.347+17.50
(+) 1.06%
(+) 0.71%
EL =620.50
VPI STA.348+30.00
CL.SH 5 STA.346+49.47 -
CL.PLATEAU DR STA.10+00.00
ex = 1.43'
K = 79
L=300.00'
STA.341+40.00
STA.338+40.00
620.18
(+) 0.71%
(-) 3.11%
EL =614.57
VPI STA.339+90.00
629.37
626.19
629.23
625.78
628.94
625.38
628.50
624.97
627.58
624.57
626.25
624.07
624.74
623.31
623.34
622.30
621.85
621.26
620.83
620.34
620.17
619.58
619.47
618.88
618.91
618.17
618.25
617.46
617.27
616.76
616.20
616.05
614.88
615.45
613.57
615.89
611.94
617.60
608.07
605.25
602.46
599.58
596.12
593.04
590.64
590.37


ESIGN
60+00
55+00
330+00
1055+00
1055+00
65+00
60+00
325+00
60+00
1060+00
1060+00


0
100
200
300
GRAPHIC SCALE IN FEET

OWNER INFORMATION TABLE

Parcel No.	Owner's Name	Owner's Address	Situs Address
SB-67	McKinney Med Center LP	5850 Granite Parkway, Suite 100, Plano, T	2650 S McDonald Street, McKinney, Tx 75069
SB-68	CRP/AR McKinney Owner LLC	2525 E Camelback Road Suite 500 Phoenix	State Hwy 5, McKinney, Tx 75069
SB-69	IPXI MF McKinney Investors LL	Ellis Preserve Newtown Sq, Pennsylvania 19073-2	201 McKinney Village Pkwy, McKinney, Tx 75069
SB-70	McKinney Med Center LP	5850 Granite Parkway, Suite 100, Plano, T	Medical Center Drive, McKinney, Tx

OWNER INFORMATION TABLE

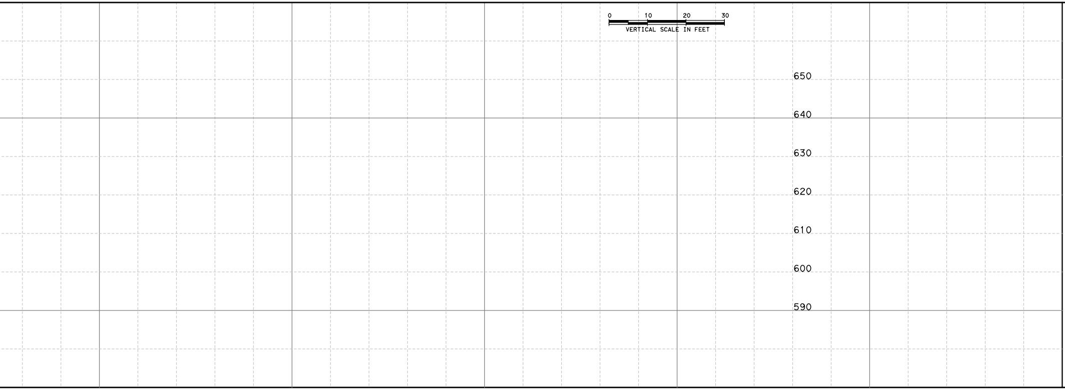
Parcel No.	Owner's Name	Owner's Address	Situs Address
NB-41	Apples Corner LLC	11825 Forest Lakes Lan Dallas Tx 75230-285	910 State Hwy 5, Fairview, Tx 75069
NB-42	Ewbank Development LLC	16475 Dallas Parkway, Suite 780, Addison	651 Country Club Rd, Fairview, Tx 75069
NB-43	Ewbank Development LLC	16475 Dallas Parkway, Suite 780, Addison	960 S State Hwy 5, Fairview, Tx 75069
NB-44	Wilhite Charles Lee	671 Country Club Road, McKinney, Tx 7506	671 Country Club Road, McKinney, Tx 75069
NB-45	Collin Baptist Assn Inc	970 S State Highway 5, McKinney, Tx 75069-94	970 S State Highway 5, Fairview, Tx 75069
NB-46	Jenco LTD	1214 Drexel Dr, Plano, Tx 75075-7293	990 S State Hwy 5, Fairview, Tx 75069
NB-47	DFW 2005 Inc	3645 Capstone Ln, Plano, Tx 75074-7742	1102 S State Hwy 5, Fairview, Tx 75069
NB-48	DFW 2005 Inc	3645 Capstone Ln, Plano, Tx 75074-7742	1100 S State Hwy 5, Fairview, Tx 75069
NB-49	Caag Land Company LLC	1040 S State Highway 5, McKinney, Tx 75069-94	State Hwy 5, Fairview, Tx 75069
NB-50	Lazos Leonel & Manuel Castane	1010 S State Highway 5, McKinney, Tx 75069-94	1010 S State Highway 5, Fairview, Tx 75069
NB-51	Enloe Zelma	1030 S State Hwy 5 McKinney Tx 75069-946	1030 S State Hwy 5, Fairview, Tx 75069
NB-52	Caag Land Company LLC	1040 S State Highway 5, McKinney, Tx 75069-94	1040 S State Highway 5, Fairview, Tx 75069
NB-53	Tejas Land Holdings LLC	3204 Birkshire Ln, Richardson, Tx 75082-49	2400 S McDonald St, McKinney, Tx 75069
NB-54	Tejas Land Holdings LLC	3204 Birkshire Ln, Richardson, Tx 75082-49	2400 S McDonald St, McKinney, Tx 75069
NB-56	Ken Mitchell Senior Homes LL	1005 Shady River Ct, Benbrook, Tx 76126-29	153 Enterprise Dr, McKinney, Tx 75069
NB-57	Kenneth Mitchell H	1005 Shady River Ct, Benbrook, Tx 76126-29	McKinney, Tx 75069
NB-58	Commerce Tx Holding LLC	2107 Grassland Dr, Allen, Tx 75013-5902	State Hwy 5, McKinney, Tx 75069
NB-59	State of Texas	Engineers Maint Office, McKinney, Tx 7506	State Hwy 5, McKinney, Tx 75069

LEGEND

NB-XX	PROPERTY OWNER LABEL
SH 5XXX	CURVE NO. LABEL
→	DIRECTION OF TRAFFIC
▨	ROADWAY REMOVAL
— — —	EXISTING ROW
— - —	EXISTING PROPERTY LINE
- - -	EXISTING STORM DRAINAGE
—550—	EXISTING CONTOURS
—	EXISTING PAVEMENT EDGES
- - -	EXISTING UTILITY EASEMENTS
▨	EXISTING 100-YEAR FLOODPLAIN
— · —	EXIST./PROP. BL. AND CL.
— — —	PROPOSED ROW
▬	PROPOSED PAVEMENT
▬	PROPOSED CROSS STREET PAV.
▬	PROPOSED DRIVEWAY PAV.
▬	PROPOSED MEDIAN PAV.
—	PROPOSED RETAINING WALL
▬	PROPOSED SIDEWALK/SUP
▨	PROPOSED CONCRETE RIPRAP
═	PROPOSED STORM DRAINAGE
▬	POTENTIAL DISPLACEMENTS

GENERAL NOTES:

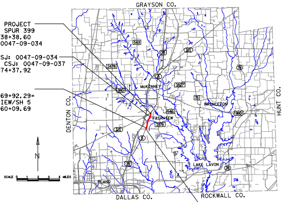
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON SURVEY INFORMATION DATED OCTOBER 2019 AND RECORD PLANS. IMAGES RECEIVED OCTOBER 2019.
2. SUPERELEVATION AXIS OF ROTATION IS ABOUT THE PGL.
3. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, RAIL, BARRIER, OR WALL (UNLESS NOTED OTHERWISE).
4. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAP 48085C0270K.
5. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT SEPTEMBER 2020.
6. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS.
7. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING PS&E. SIDEWALKS ARE SHOWN ON TYPICAL SECTIONS.
8. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED IN COORDINATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS SHOWN.
9. CURBS ARE TYPE II (6") UNLESS NOTED OTHERWISE.
10. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.



Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED K. BUR, P.E., DISTRICT ENGINEER
COLLIN COUNTY
SH 5
PROJECT LIMIT: STACY ROAD
TO SPUR 399
CONTROL: 0047-09-037/0047-09-034
FUNCTIONAL CLASS: URBAN MINOR ARTERIAL
DESIGN SPEED: 35 mph MAINLANE
30 mph CROSS STREETS
PROJECT LENGTH: 2.670 MILES (14,102.25 FT.)


GRAYSON CO.
DENTON CO.
HUNT CO.
DALLAS CO.
ROCKWALL CO.
543
75
121
2478
5
78
McKINNEY
1827
380
75
PRINCETON
546
FAIRVIEW
380
378
121
5
75
LAKE LAVON
78
PLANO
N
SCALE 0 1 2 3 4 MILES

BEGIN PROJECT
SH 5: SPUR 399
STA 338+38.60
CSJ: 0047-09-034

END CSJ: 0047-09-034
BEGIN CSJ: 0047-09-037
STA 374+37.92

SH 5
STA 469+92.29=
FAIRVIEW/SH 5
STA 260+09.69

END PROJECT
FAIRVIEW/SH 5: STACY ROAD
STA 269+58.25
CSJ: 0047-09-037

LOCATION MAP

SHEET INDEX

ROLL 1: PLAN AND PROFILE - BEGIN PROJECT TO STA 425+00
ROLL 2: PLAN AND PROFILE - STA 425+00 TO STA 369+00
ROLL 3: PLAN AND PROFILE - STA 369+00 TO END PROJECT
ROLL 4: CROSS STREETS PLAN AND PROFILE
ROLL 5: INTERIM & CROSS STREETS PLAN AND PROFILE
ROLL 6: SUP PLAN - BEGIN PROJECT TO STA 425+00
ROLL 7: SUP PLAN - STA 425+00 TO STA 369+00
ROLL 8: SUP PLAN - STA 369+00 TO END PROJECT
ROLL 9: HORIZONTAL ALIGNMENT DATA
ROLL 10: HORIZONTAL ALIGNMENT DATA

NOVEMBER 2021
SCALE: 1"=100' H, 1"=10'V
ROLL 3 OF 10

Lockwood, Andrews
& Newnam, Inc.
A LEO A DALY COMPANY
TBPE FIRM REGISTRATION NO. 2614

PRELIMINARY FOR INTERIM REVIEW ONLY

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

NAME	P.E. NO.	DATE
NANCY D. MITCHELL	*79762*	*11/18/2021*

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