APPENDIX B: Design Schematics

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED E. BUR, P.E.
DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
SPUR 399 EXTENSION

CSJ: 0364-04-001, 1907-08-006 & 0047-10-002
FM 1461
SH 78
SH 205
FUNCTIONAL CLASS: URBAN FREEWAY
PROPOSED ALTERNATIVE LENGTH: 7.0 MILES

DESIGN SPEEDS

MAINLANES: SPUR 399 PROPOSED	70	MPH
RAMPS: SPUR 399 PROPOSED	50	MPH
CROSS STREETS: MAJOR COLLECTORS	40	MPH

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

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NOVEMBER 2022

PRELIMINARY
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ROLL 1 OF 8

HDR
TBPE Firm Registration No. F-754
2435 Kinwest Parkway, Suite 100
Irving, Texas 75063
972-848-4848

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED E. BUH, P.E.
DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
SPUR 399 EXTENSION

CSJ: 0364-04-001, 1907-05-058 & 2047-10-002
CITY OF PLANO
TAX CO. DEL
DALLAS COUNTY
FUNCTIONAL CLASS: URBAN FREEWAY
PROPOSED ALTERNATIVE LENGTH: 7.0 MILES

DESIGN SPEEDS

MAINLANES: SPUR 399 EXTENSION	70	MPH
CROSSROAD: SPUR 399 EXTENSION	45	MPH
CROSS STREETS: MAJOR COLLECTORS	40	MPH

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

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NOVEMBER 2022

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R. JOSEPH WALPOWICH

ROLL 3 OF 8

HDR
TBPE Registration No. F-754
2435 Tech Forest Blvd, Suite 100
Houston, Texas 77084
(281) 496-7000

PROPOSED SPUR 399 EXTENSION
STA 1+00 TO STA 10+00
SCALE: HORIZ. 1"=10' VERT. 1"=1'

PROPOSED SPUR 399 EXTENSION
STA 10+00 TO STA 20+00
SCALE: HORIZ. 1"=10' VERT. 1"=1'

PROPOSED SPUR 399 EXTENSION
STA 20+00 TO STA 30+00
SCALE: HORIZ. 1"=10' VERT. 1"=1'

PROPOSED SPUR 399 EXTENSION
STA 30+00 TO STA 40+00
SCALE: HORIZ. 1"=10' VERT. 1"=1'

PROPOSED SPUR 399 EXTENSION
STA 40+00 TO STA 50+00
SCALE: HORIZ. 1"=10' VERT. 1"=1'

PROPOSED SPUR 399 EXTENSION
STA 50+00 TO STA 60+00
SCALE: HORIZ. 1"=10' VERT. 1"=1'

PROPOSED SPUR 399 EXTENSION
STA 60+00 TO STA 70+00
SCALE: HORIZ. 1"=10' VERT. 1"=1'

EXISTING TYPICAL SECTION
SCALE: HORIZ. 1"=10' VERT. 1"=1'

EXISTING TYPICAL SECTION
SCALE: HORIZ. 1"=10' VERT. 1"=1'

EXISTING TYPICAL SECTION
SCALE: HORIZ. 1"=10' VERT. 1"=1'

PROPOSED TYPICAL SECTION
SCALE: HORIZ. 1"=10' VERT. 1"=1'

PROPOSED TYPICAL SECTION
SCALE: HORIZ. 1"=10' VERT. 1"=1'

PROPOSED TYPICAL SECTION
SCALE: HORIZ. 1"=10' VERT. 1"=1'

PROPOSED TYPICAL SECTION
SCALE: HORIZ. 1"=10' VERT. 1"=1'

EXISTING TYPICAL SECTION
SCALE: HORIZ. 1"=10' VERT. 1"=1'

TRAFFIC LEGEND
SCALE: HORIZ. 1"=10' VERT. 1"=1'

TRAFFIC LEGEND
SCALE: HORIZ. 1"=10' VERT. 1"=1'

| ORIGINAL CONTROL POINTS | | |

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED E. BUR, P.E.
DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
SPUR 399 EXTENSION

CSJ: 0384-04-001, 1697-05-006 & 2047-10-002
CITY OF DALLAS
TAX CO DBA
DALLAS COUNTY
FUNCTIONAL CLASS: URBAN FREEWAY
PROPOSED ALTERNATIVE LENGTH: 5.0 MILES

DESIGN SPEEDS

MAINLANES: DESIGN SPEED	70	MPH
RAMPS & SERVICE ROADS: DESIGN SPEED	30	MPH
CROSS STREETS: DESIGN SPEED	30	MPH

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

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NOVEMBER 2022

THE STATE OF TEXAS
JAMES T. TRAVIS
NO. 124000
"PRELIMINARY"
"NOT FOR CONSTRUCTION"

ROLL 4 OF 8

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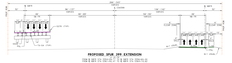
Irving, Texas 75063
972.848.4848



| CROSSING TABLE | | |

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Texas Department of Transportation

DALLAS DISTRICT DESIGN SCHEMATIC

MOHAMED K. BURI, P.E.
DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC SPUR 399 EXTENSION

CSJs 0364-04-001, 0047-05-058 & 0047-13-002
FROM US 75
TO FM 1378
COLLIN COUNTY
FUNCTIONAL CLASS: URBAN FREEWAY
PREFERRED ALTERNATIVE LENGTH: 5.6 MILES

DESIGN SPEEDS

MAINLANES (PREFERRED ALTERNATIVE)	70 MPH
GENERAL RAMPS (PREFERRED ALTERNATIVE)	45 MPH
FRONTAGE ROADS (COLLECTORS)	45 MPH
CROSS STREETS (MAJOR COLLECTORS)	35 MPH

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

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NOVEMBER 2022

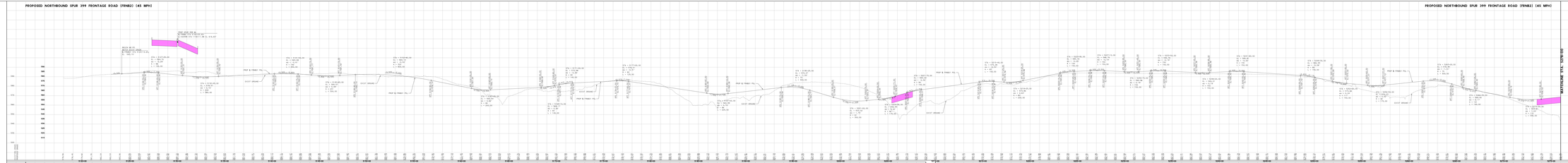
PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:
OFFICIAL SCHEMATIC ENGINEER
JAMES DAVID
LANE, CPEM
DATE
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 5 OF 8

HDR
FIRM Registration No. F-754
17111 Preston Road, Suite 300
DALLAS, TEXAS 75248
972.992.5400

PROPOSED NORTHBOUND SPUR 399 FRONTAGE ROAD (FRNB2) [45 MPH]


PROPOSED NORTHBOUND SPUR 399 FRONTAGE ROAD (FRNB2) [45 MPH]
BEGIN 06-15
ALIGNMENT: FRNB2
ALIGNMENT STA 1000+00.00
BEGIN SPUR 399
E CHURCH STA 1001+00.00
END SPUR 399
E CHURCH STA 1303+25.24
END 06-15
ALIGNMENT: FRNB2
ALIGNMENT STA 1303+25.24
PROP & FINISH PVI
EXIST GROUND
CTA = 0.00000LN.00
R = 1.#INF.00
A = 0.00
L = 0.00

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DALLAS DISTRICT DESIGN SCHEMATIC

MOHAMED K. BURI, P.E.
DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC SPUR 399 EXTENSION

CSJs 0364-04-001, 0047-05-058 & 0047-13-002
FROM US 75
TO SH 289
COLLIN COUNTY
FUNCTIONAL CLASS: URBAN FREEWAY
PREFERRED ALTERNATIVE LENGTH: 1.0 MILES

DESIGN SPEEDS

MAINLANES (FREEWAY)	70	MPH
GENERAL RAMPS (PRESCRIPTIVE, INTERCHANGE)	55	MPH
FRONTAGE ROADS (COLLECTOR)	45	MPH
CROSS STREETS (MAJOR COLLECTOR)	35	MPH

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

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NOVEMBER 2022

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:
DATE
PROJECT MANAGER
DATE
LEAD ENGINEER
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 6 OF 8

HDR
FIRM Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1230
972.992.5400

PROPOSED SOUTHBOUND SPUR 399 FRONTAGE ROAD (FRSB2) (45 MPH)

PROPOSED SOUTHBOUND SPUR 399 FRONTAGE ROAD (FRSB2) (45 MPH)

PROPOSED SOUTHBOUND SPUR 399 FRONTAGE ROAD (FRSB2) (45 MPH)

MATCHLINE STA. 1375+00

PROPOSED SOUTHBOUND SPUR 399 FRONTAGE ROAD (FRSB2) (45 MPH)

PROPOSED SOUTHBOUND SPUR 399 FRONTAGE ROAD (FRSB2) (45 MPH)

PROPOSED SOUTHBOUND SPUR 399 FRONTAGE ROAD (FRSB3) (45 MPH)

MATCHLINE STA. 1363+00

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DALLAS DISTRICT DESIGN SCHEMATIC

DEASON CLEMENS, P.E.
DALLAS DISTRICT ENGINEER

90% DESIGN SCHEMATIC SPUR 399 EXTENSION

CSJs 0364-04-001, 0047-05-058 & 0047-13-002
FROM US 75
TO SH 289
COLLIN COUNTY
FUNCTIONAL CLASS: URBAN FREEWAY
ORANGE ALTERNATIVE LENGTH: 1.0 MILES

DESIGN SPEEDS

MAINLANES (FREEWAY)	70	MPH
GENERAL RAMPS (PRESCRIPTIVE, INTERCHANGE)	55-60	MPH
FRONTAGE ROADS (COLLECTOR)	35-40	MPH
CROSS STREETS (MAJOR COLLECTOR)	35	MPH

END SPUR 399
E CUSHING STA 1363+25.29
BEGIN SPUR 399
E CUSHING STA 1001+96.51
LOCATION MAP
NO SCALE
SCALE: 1" = 1 MILE

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

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NOVEMBER 2022

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:
DATE
PROJECT MANAGER
DATE
LEAD ENGINEER
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 6 OF 8

HDR
FIRM Registration No. F-754
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Dallas, Texas 75248-1230
972.992.5400

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Texas Department of Transportation

DALLAS DISTRICT DESIGN SCHEMATIC

MOHAMED K. BURI, P.E.
DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC SPUR 399 EXTENSION

CSJs 0364-04-001, 0047-05-058 & 0047-13-002
FROM US 75
TO IH 30
COLLIN COUNTY
FUNCTIONAL CLASS: URBAN FREEWAY
PREFERRED ALTERNATIVE LENGTH: 1.0 MILES

DESIGN SPEEDS

MAINLANES (FREEWAY/NON-FREEWAY)	70 MPH
GENERAL PURPOSE (TRADITIONAL ARTERIAL)*	55 MPH
FRONTAGE ROADS (COLLECTOR)*	45 MPH
CROSS STREETS (MAJOR COLLECTOR)*	45 MPH

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

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NOVEMBER 2022

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SCHEMATIC PREPARED BY:
CESAON CLEMENS, P.E.
NOVEMBER 2022

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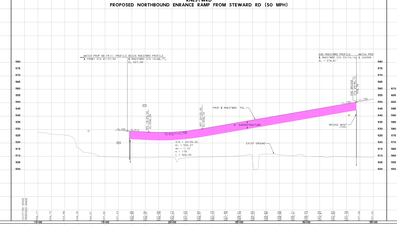
ROLL 7 OF 8

HDR
FIRM Registration No. F-754
17111 Preston Road, Suite 300
DALLAS, TEXAS 75248
972.661.8400

RNXSTWRD
PROPOSED NORTHBOUND EXIT RAMP TO STEWARD RD (40 MPH)

RNXIH5
PROPOSED NORTHBOUND EXIT RAMP TO IH 5 (45 MPH)

RNESTWRD
PROPOSED NORTHBOUND ENRANCE RAMP FROM STEWARD RD (50 MPH)


BEGIN PROP AB-01 PROFILE BEGIN PROPOSED PROFILE
S CHANGE 0.0% 0.00 VC 0.00
END PROPOSED PROFILE END PROP AB-01
S CHANGE 0.0% 0.00 VC 0.00
PROP & PROPOSED
EXIST GROUND
PROP & PROPOSED
EXIST GROUND
BEGIN PROP AB-01
END PROP AB-01
CV = 0.00 VC
PVI = 1+00.00
PVC = 1+00.00
PVT = 1+00.00
K = 0.00

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Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED K. BURI, P.E.
DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
SPUR 399 EXTENSION

CSJ: 2364-04-001, 0047-06-058 & 0047-13-002
FROM: SH 75
TO: US 380
COLLIN COUNTY
FUNCTIONAL CLASS: URBAN FREEWAY
PREFERRED ALTERNATIVE LENGTH: 5.0 MILES

DESIGN SPEEDS

MAINLANES (FREEWAY/PRINCIPAL ARTERIAL):	70 MPH
RAMPS: RAMPS (FREEWAY/PRINCIPAL ARTERIAL):	50 MPH
FRONTAGE ROADS (COLLECTOR):	35 MPH
CROSS STREETS (MAJOR COLLECTOR):	35 MPH

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

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NOVEMBER 2022

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:
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1111 PRESTON ROAD, SUITE 300
DALLAS, TEXAS 75230

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 8 OF 8

HDR
FIRM Registration No. F-754
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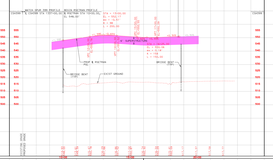
Dallas, Texas 75230
972.992.5400

RAMP PROFILES (CONTINUED)

RSEFINT
PROPOSED SOUTHBOUND ENTRANCE RAMP TO FUTURE INTERSECTION (50 MPH)

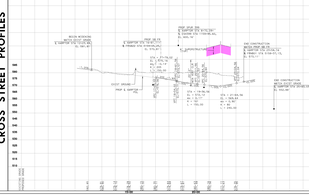
RSXS46C
PROPOSED SOUTHBOUND EXIT RAMP TO FM 546(C) (50 MPH)

RSETEAN
PROPOSED SOUTHBOUND TRANSITION TO EXIST US 380 (50 MPH)

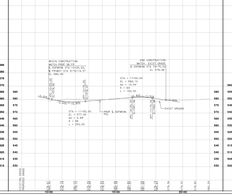


CROSS STREET PROFILES

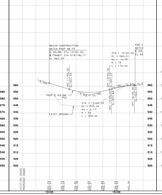
XAIRFT26
PROPOSED AIRPORT DR/COUNTRY LN (30 MPH)



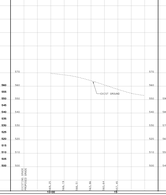
XOFRS46
PROPOSED OLD FM 546 (30 MPH)



XOLDML
PROPOSED OLD MILL RD (30 MPH)

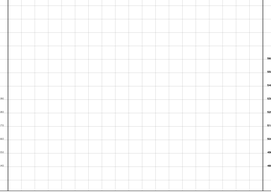


XFM546A
PROPOSED FM 546(A) (30 MPH)

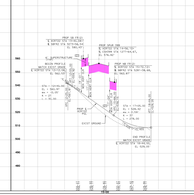


XFM546B
PROPOSED FM 546(B) (30 MPH)

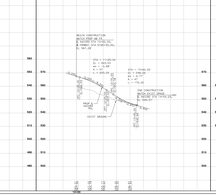
XFM546C
PROPOSED FM 546(C) (30 MPH)



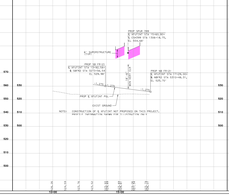
XCR722
PROPOSED CR 722 (30 MPH)



XCR317
PROPOSED CR 317 (30 MPH)



XFUTINT
PROPOSED FUTURE INTERSECTION (30 MPH)



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Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED K. BURI, P.E.
DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
SPUR 399 EXTENSION

CSJ: 2364-04-001, 0047-06-058 & 0047-13-002
FROM: SH 75
TO: US 380
COLLIN COUNTY
FUNCTIONAL CLASS: URBAN FREEWAY
PREFERED ALTERNATIVE LENGTH: 5.0 MILES

DESIGN SPEEDS

MAINLANES (FREEWAY/PRINCIPAL ARTERIAL):	70 MPH
RAMPS: RAMPS (FREEWAY/PRINCIPAL ARTERIAL):	50 MPH
FRONTAGE ROADS (COLLECTOR):	35 MPH
CROSS STREETS (MAJOR COLLECTOR):	35 MPH

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

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NOVEMBER 2022

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:
HDR ENGINEERING, INC.
1111 PRESTON ROAD, SUITE 300
DALLAS, TEXAS 75230

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

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Dallas, Texas 75230
972.992.5400

Texas Department of Transportation

DALLAS DISTRICT DESIGN SCHEMATIC

MOHAMED E. BUR, P.E.
DALLAS DISTRICT ENGINEER

DESIGN SCHEMATIC
SPUR 399 EXTENSION

CSJ: 0364-04-001, 1047-05-058 & 0047-10-002
CITY OF DALLAS
FM 35 NB
DALLAS COUNTY
FUNCTIONAL CLASS: URBAN FREEWAY
PROPOSED ALTERNATIVE LENGTH: 7.0 MILES

DESIGN SPEEDS

MAINLANES: SPUR 399 PROPOSED	70	MPH
FRONTAGE ROADS: PROPOSED	35	MPH
CROSS STREETS: MAJOR COLLECTORS	30	MPH

LEGEND
PROPOSED SPUR 399 EXTENSION
EXISTING SPUR 399
EXISTING FM 35
EXISTING FM 1382
EXISTING FM 1382 (MOUNTAIN VIEW COLLEGE)
EXISTING FM 1382 (CEDAR CREST BLVD)
EXISTING FM 1382 (JEFFERSON BLVD)
EXISTING FM 1382 (MARSALIS AVE)
EXISTING FM 1382 (LAMAR ST)
EXISTING FM 1382 (HOUSTON SCHOOL RD)
EXISTING FM 1382 (BONNIE VIEW RD)
EXISTING FM 1382 (CLARIDGE ST)
EXISTING FM 1382 (CORNELIA ST)
EXISTING FM 1382 (MALONE ST)
EXISTING FM 1382 (HOLLYVILLE ST)
EXISTING FM 1382 (BEECKMAN RD)
EXISTING FM 1382 (SAN JACINTO ST)
EXISTING FM 1382 (HOUSTON ST)
EXISTING FM 1382 (ERVAY ST)
EXISTING FM 1382 (BUCKNER BLVD)
EXISTING FM 1382 (GRAND AVE)
EXISTING FM 1382 (PEABODY AVE)
EXISTING FM 1382 (GUS THOMASSON RD)
EXISTING FM 1382 (MILTON ST)
EXISTING FM 1382 (ROSEMONT AVE)
EXISTING FM 1382 (ROSEMONT AVE)
EXISTING FM 1382 (ROSEMONT AVE

SPUR 399 ALL ALTERNATIVES

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED E. BUH, P.E.
DALLAS DISTRICT ENGINEER

SPUR 399

CSJ: 2364-04-001, 0197-05-006 & 0197-10-002
FROM: US 75
TO: IH 30
FUNCTIONAL CLASS: URBAN FREWAY
PURPLE ALTERNATIVE LENGTH: 7.0 MILES
ORANGE ALTERNATIVE LENGTH: 5.0 MILES

DESIGN SPEEDS

MAINLANE: HORIZONTAL:	70 MPH	
MAINLANE: HORIZONTAL VERTICAL:	70 MPH	
FRONTAGE ROAD: HORIZONTAL:	30 MPH	
FRONTAGE ROAD: VERTICAL:	30 MPH	

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

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JANUARY 2022

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R. LOCKETT GALPIN
PE LICENSE NO. 124475

ROLL 1 OF 12

HDR
TBPE Firm Registration No. F-754
2401 East Lamar Blvd. Suite 100
Arlington, Texas 76006
817.640.7500

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED E. BUH, P.E.
DALLAS DISTRICT ENGINEER

SPUR 399

CSJ: 2964-00-001, 0247-00-006 & 0247-10-002
FROM: US 75
TO: SH 121
FUNCTIONAL CLASS: URBAN FREEWAY
PURPLE ALTERNATIVE LENGTH: 7.0 MILES
ORANGE ALTERNATIVE LENGTH: 7.0 MILES

DESIGN SPEEDS

MAINLANE (HORIZONTAL):	55 MPH	
MAINLANE (VERTICAL):	55 MPH	
CROSS STREET (HORIZONTAL):	35 MPH	
CROSS STREET (VERTICAL):	35 MPH	

SCALE(H) HORIZONTAL 1"=100'
SCALE(V) VERTICAL 1"=10'

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JANUARY 2022

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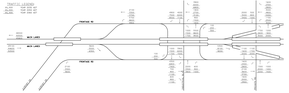
CONTROL: 2964-00-001
SHEET: 1 OF 12
DATE: 1/4/2022
TIME: 10:00:00 AM
FILE: 2964-00-001 SHEET 1 OF 12.DGN

ROLL 2 OF 12

HDR
TBPE Registration No. F-754
2435 Vista Parkway, Suite 100
West Palm Beach, FL
33411-8603



GEOMETRIC CURVE DATA

| | | |

Texas Department of Transportation

DALLAS DISTRICT
DESIGN SCHEMATIC

MOHAMED E. BUR, P.E.
DALLAS DISTRICT ENGINEER

SPUR 399

CSJ: 2964-00-001, 0247-00-006 & 0247-13-002
FROM: US 75
TO: IH 30
FUNCTIONAL CLASS: URBAN FREEWAY
PURPLE ALTERNATIVE LENGTH: 7.2 MILES
ORANGE ALTERNATIVE LENGTH: 7.0 MILES

DESIGN SPEEDS

HORIZONTAL (MINIMUM): 50 MPH
HORIZONTAL (DESIGN CONTROL): 50 MPH
VERTICAL (MINIMUM): 50 MPH
VERTICAL (DESIGN CONTROL): 50 MPH

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

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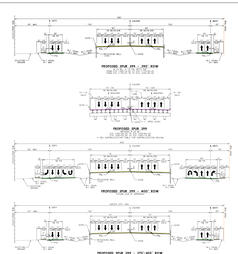
JANUARY 2022

PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION, BIDDING OR PERMIT
PE LICENSE NO. 124070 DATE
PE LICENSE NO. 124070 DATE

ROLL 3 OF 12

HDR
TBPE Firm Registration No. F-754
2435 N. Central Expwy, Suite 700
Richardson, Texas 75080
972.994.1000


PROPOSED SPUR 399 - ORIG ROW
PROPOSED SPUR 399
PROPOSED SPUR 399 - ADOC ROW
PROPOSED SPUR 399 - UTC/ADOC ROW
PROPOSED SPUR 399
PROPOSED SPUR 399
PROPOSED SPUR 399
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PROPOSED SPUR 399
EXISTING TYPICAL SECTION
EXISTING TYPICAL SECTION
EXISTING TYPICAL SECTION

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DALLAS DISTRICT DESIGN SCHEMATIC

MOHAMED K. BURI, P.E.
DALLAS DISTRICT ENGINEER

SPUR 399

CSJ: 0364-04-051, 0047-05-058 & 0047-10-002
FROM: US 75
TO: SH 289
FUNCTIONAL CLASS: URBAN FREEWAY
PURPLE ALTERNATIVE LENGTH: 5.4 MILES
ORANGE ALTERNATIVE LENGTH: 5.0 MILES

DESIGN SPEEDS

MAINLANES (FREEWAY):	70 MPH
FRONTAGE ROADS (PRIMARY ARTERIALS):	45 MPH
FRONTAGE ROADS (COLLECTORS):	35 MPH
CROSS STREETS (MAJOR COLLECTOR):	VARIES

END ORANGE ALTERNATIVE
STA 1+00 PURPLE ALTERNATIVE
STA 1+00 ORANGE ALTERNATIVE

END PURPLE ALTERNATIVE
STA 286+00 PURPLE ALTERNATIVE
STA 286+00 ORANGE ALTERNATIVE

SH 289
SPUR 399
US 380
US 75
SH 121
SH 289
SH 121
SH 289
SH 121
SH 289

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DESIGN SCHEMATIC

MOHAMED K. BURI, P.E.
DALLAS DISTRICT ENGINEER

SPUR 399

CSJ: 0364-04-051, 0047-05-058 & 0047-10-002
FROM: US 75
TO: IH 35
FUNCTIONAL CLASS: URBAN FREEWAY
PURPLE ALTERNATIVE LENGTH: 6.4 MILES
ORANGE ALTERNATIVE LENGTH: 7.0 MILES

DESIGN SPEEDS

MAINLANES (FREEWAY):	70 MPH
FRONTAGE ROADS (PRIMARY ARTERIAL):	40 MPH
FRONTAGE ROADS (COLLECTOR):	30 MPH
CROSS STREETS (MAJOR COLLECTOR):	VARIES

END OF PURPLE ALTERNATIVE
STATIONING REFERENCE

END OF ORANGE ALTERNATIVE
STATIONING REFERENCE

BEGIN PROJECT
STATIONING REFERENCE
END PROJECT
STATIONING REFERENCE

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

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JANUARY 2022

PRELIMINARY
SUBJECT TO REVISIONS

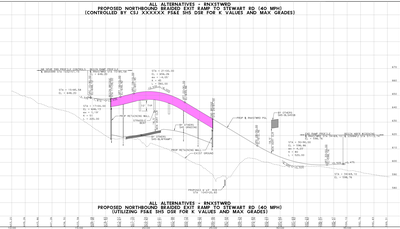
SCHEMATIC PREPARED BY:
NAME
COMPANY
JANUARY 2022
DATE

NOT INTENDED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES

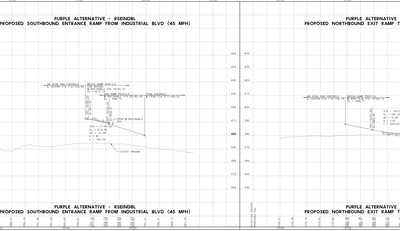
ROLL 8 OF 12

HDR
HDR
FIRM Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1230
972.661.8400

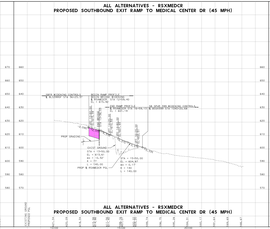
ALL ALTERNATIVES - RNXSTWD
PROPOSED NORTHBOUND EXIT RAMP TO STEWART RD (40 MPH)
(CONTROLLED BY CSJ XXXXXX PSAE DHS DSR FOR K VALUES AND MAX GRADES)



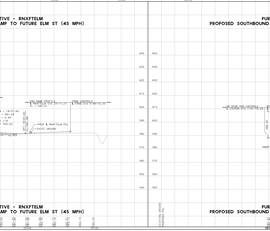
ALL ALTERNATIVES - RNXSTWD
PROPOSED NORTHBOUND EXIT RAMP TO STEWART RD (40 MPH)
(UTILIZING PSAE DHS DSR FOR K VALUES AND MAX GRADES)



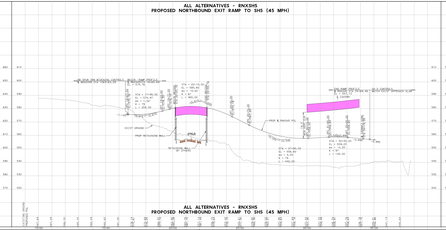
ALL ALTERNATIVES - ESXMEDCR
PROPOSED SOUTHBOUND EXIT RAMP TO MEDICAL CENTER DR (45 MPH)



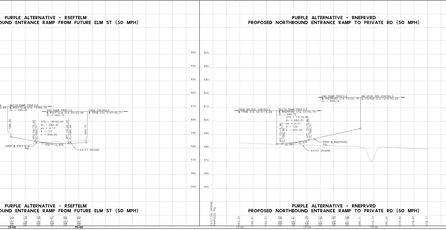
ALL ALTERNATIVES - ESXMEDCR
PROPOSED SOUTHBOUND EXIT RAMP TO MEDICAL CENTER DR (45 MPH)



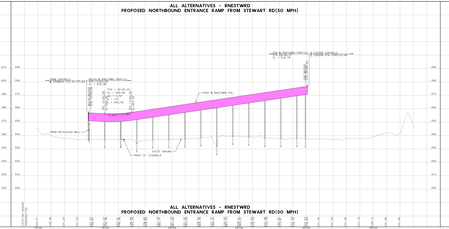
ALL ALTERNATIVES - RNXSHS
PROPOSED NORTHBOUND EXIT RAMP TO SHS (45 MPH)



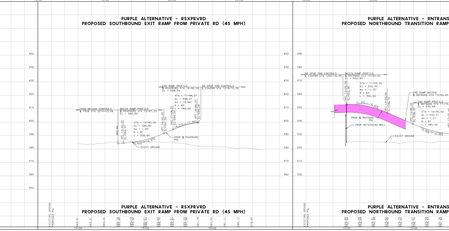
ALL ALTERNATIVES - RNXSHS
PROPOSED NORTHBOUND EXIT RAMP TO SHS (45 MPH)



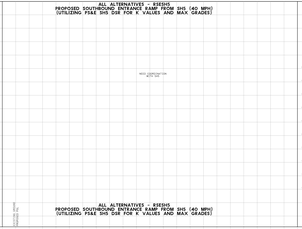
ALL ALTERNATIVES - RNESTWD
PROPOSED NORTHBOUND ENTRANCE RAMP FROM STEWART RD(50 MPH)



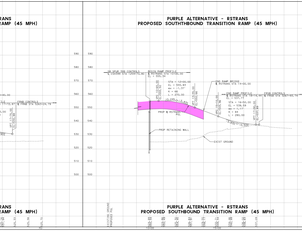
ALL ALTERNATIVES - RNESTWD
PROPOSED NORTHBOUND ENTRANCE RAMP FROM STEWART RD(50 MPH)



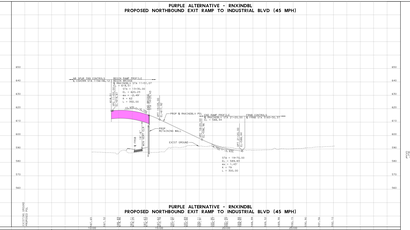
ALL ALTERNATIVES - ESXSHS
PROPOSED SOUTHBOUND EXIT RAMP TO SHS (40 MPH)
(UTILIZING PSAE DHS DSR FOR K VALUES AND MAX GRADES)



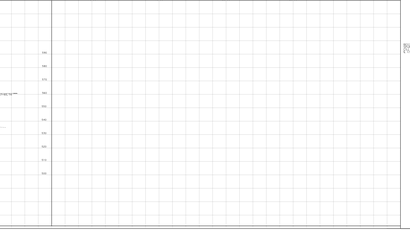
ALL ALTERNATIVES - ESXSHS
PROPOSED SOUTHBOUND EXIT RAMP TO SHS (40 MPH)
(UTILIZING PSAE DHS DSR FOR K VALUES AND MAX GRADES)



PURPLE ALTERNATIVE - RNXINDBL
PROPOSED NORTHBOUND EXIT RAMP TO INDUSTRIAL BLVD (45 MPH)



PURPLE ALTERNATIVE - RNXINDBL
PROPOSED NORTHBOUND EXIT RAMP TO INDUSTRIAL BLVD (45 MPH)



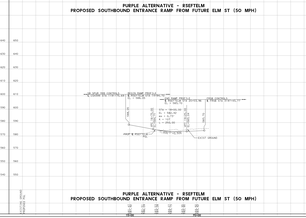
PURPLE ALTERNATIVE - RSENDBL
PROPOSED SOUTHBOUND ENTRANCE RAMP FROM INDUSTRIAL BLVD (45 MPH)

PURPLE ALTERNATIVE - RSENDBL
PROPOSED SOUTHBOUND ENTRANCE RAMP FROM INDUSTRIAL BLVD (45 MPH)

PURPLE ALTERNATIVE - RNXFTELM
PROPOSED NORTHBOUND EXIT RAMP TO FUTURE ELM ST (45 MPH)

PURPLE ALTERNATIVE - RNXFTELM
PROPOSED NORTHBOUND EXIT RAMP TO FUTURE ELM ST (45 MPH)

PURPLE ALTERNATIVE - RSFTELM
PROPOSED SOUTHBOUND ENTRANCE RAMP FROM FUTURE ELM ST (50 MPH)



PURPLE ALTERNATIVE - RSFTELM
PROPOSED SOUTHBOUND ENTRANCE RAMP FROM FUTURE ELM ST (50 MPH)

PURPLE ALTERNATIVE - RNPRVRD
PROPOSED NORTHBOUND ENTRANCE RAMP TO PRIVATE RD (50 MPH)

PURPLE ALTERNATIVE - RNPRVRD
PROPOSED NORTHBOUND ENTRANCE RAMP TO PRIVATE RD (50 MPH)

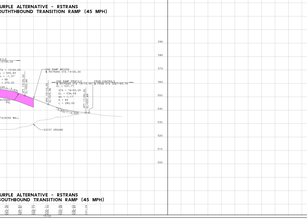
PURPLE ALTERNATIVE - RSXPRVRD
PROPOSED SOUTHBOUND EXIT RAMP FROM PRIVATE RD (45 MPH)

PURPLE ALTERNATIVE - RSXPRVRD
PROPOSED SOUTHBOUND EXIT RAMP FROM PRIVATE RD (45 MPH)

PURPLE ALTERNATIVE - RNTRANS
PROPOSED NORTHBOUND TRANSITION RAMP (45 MPH)

PURPLE ALTERNATIVE - RNTRANS
PROPOSED NORTHBOUND TRANSITION RAMP (45 MPH)

PURPLE ALTERNATIVE - RSTRANS
PROPOSED SOUTHBOUND TRANSITION RAMP (45 MPH)



PURPLE ALTERNATIVE - RSTRANS
PROPOSED SOUTHBOUND TRANSITION RAMP (45 MPH)

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MOHAMED K. BURI, P.E.
DALLAS DISTRICT ENGINEER

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CSJ: 0364-04-051, 0047-05-058 & 0047-10-002
FROM: US 75
TO: IH 35
FUNCTIONAL CLASS: URBAN FREEWAY
PURPLE ALTERNATIVE LENGTH: 6.4 MILES
ORANGE ALTERNATIVE LENGTH: 7.0 MILES

DESIGN SPEEDS

MAINLANES (FREEWAY): 70 MPH
FRONTAGE ROADS (PRIMARY ARTERIAL): 40 MPH
FRONTAGE ROADS (COLLECTOR): 30 MPH
CROSS STREETS (MAJOR COLLECTOR): VARIES

END OF PURPLE ALTERNATIVE
STATIONING REFERENCE

END OF ORANGE ALTERNATIVE
STATIONING REFERENCE

LOCATION MAP

BEGIN PROJECT
STATIONING REFERENCE
END PROJECT
STATIONING REFERENCE

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

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JANUARY 2022

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED BY:
NAME
COMPANY
JANUARY 2022
DATE

NOT INTENDED FOR CONSTRUCTION,
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ROLL 8 OF 12

HDR
HDR
FIRM Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1230
972.661.8400

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Texas Department of Transportation

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MOHAMED K. BURI, P.E.
DALLAS DISTRICT ENGINEER

SPUR 399

CSJ: 0364-04-051, 0047-05-058 & 0047-10-002
FROM: US 75
TO: SH 78
FUNCTIONAL CLASS: URBAN FREEWAY
PURPLE ALTERNATIVE LENGTH: 6.4 MILES
ORANGE ALTERNATIVE LENGTH: 7.0 MILES

DESIGN SPEEDS

MAINLANES (FREEWAYS)	70 MPH
FRONTAGE ROADS (PRINCIPAL ARTERIALS)	50 MPH
FRONTAGE ROADS (COLLECTORS)	40 MPH
CROSS STREETS (MAJOR COLLECTOR)	VARIES

END OF PURPLE ALTERNATIVE
STA 1000+00 = STA 1000+00 ORANGE ALTERNATIVE

END OF ORANGE ALTERNATIVE
STA 1000+00 = STA 1000+00 PURPLE ALTERNATIVE

LOCATION MAP
NOT TO SCALE

BEGIN PROJECT SPUR 399 (CONCRETE)
STATION 1000+00 = STATION 1000+00 PURPLE ALTERNATIVE
STATION 1000+00 = STATION 1000+00 ORANGE ALTERNATIVE

END PROJECT SPUR 399 (CONCRETE)
STATION 1000+00 = STATION 1000+00 PURPLE ALTERNATIVE
STATION 1000+00 = STATION 1000+00 ORANGE ALTERNATIVE

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

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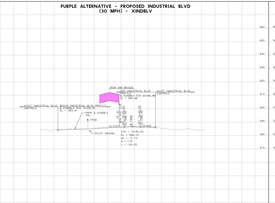
ROLL 12 OF 12

HDR
FIRM Registration No. F-754
17111 Preston Road, Suite 300
DALLAS, TEXAS 75248-1230
972.450.3400

PURPLE ALTERNATIVE CROSS STREETS

PURPLE ALTERNATIVE - PROPOSED INDUSTRIAL BLVD (30 MPH) - XINDNLV


PROPOSED INDUSTRIAL BLVD - SOUTH BOUND LANES
PROPOSED INDUSTRIAL BLVD - NORTH BOUND LANES
EXISTING INDUSTRIAL BLVD
EXISTING SPUR 399 (CONCRETE)
EXISTING SPUR 399 (CONCRETE)
EXISTING SPUR 399 (CONCRETE)