Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

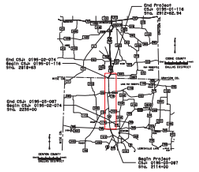
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes:	70 mph
SL 288 Mainlanes:	70 mph
Ramps:	50 mph
Turnaround Ramps:	30 mph
Local Street Connectors:	40 mph
Cross Streets:	40 mph
Direct Connectors:	40-50 mph



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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER DIRECT SUPERVISION OF:

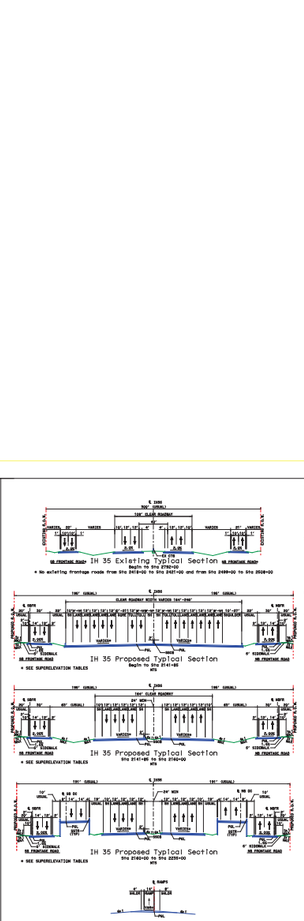
BRIAN BRUNELL — 11/2018
JASON A. BOOHER — 11/2018
NOVEMBER 2018
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PRELIMINARY, SUBJECT TO CHANGE

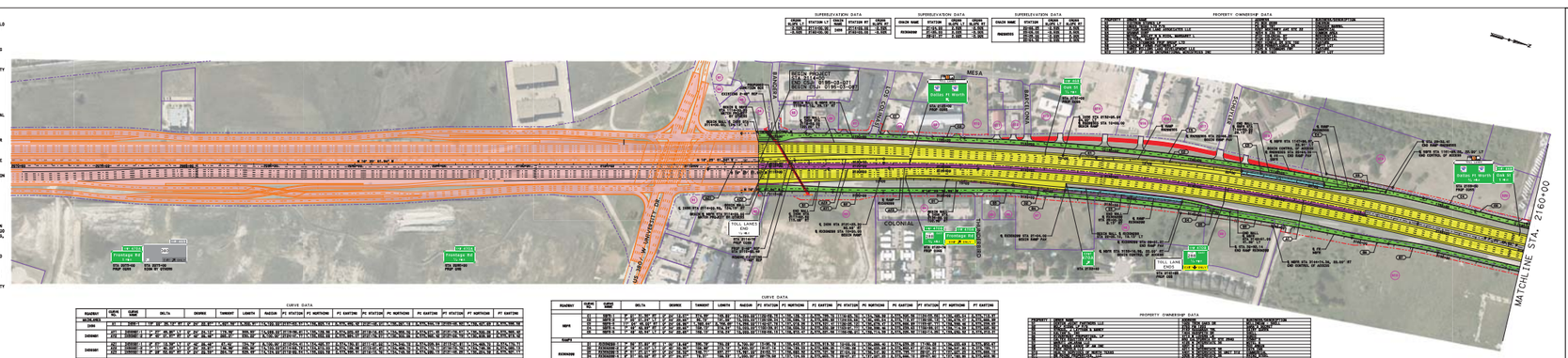
ROLL 1 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1233
972.960.4400



General Notes

1. EXISTING FEATURES WERE NOT FIELD VERIFIED. INFORMATION ARE BASED ON AERIAL SURVEYS AND RECORD PLANS PROVIDED MARCH 2014 AND SUBSEQUENTLY.
2. TRAFFIC VOLUMES BASED ON NCTCOG MODEL AND WILL BE APPROVED BY TXDOT TPAN.
3. ADA RAMPS AND SIDEWALK ARE SHOWN FOR ILLUSTRATIVE PURPOSES. LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING PSNC DESIGN.
4. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE. THIS WILL BE FURTHER PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PSNC DESIGN.
6. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF CONSTRUCTION SHOWN WILL BE REMOVED UNLESS OTHERWISE NOTED.
7. PROPOSED ELEVATION AXIS OF ROTATION IS ABOUT THE PG'S AS SHOWN IN THE TYPICAL SECTIONS.
8. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II CURB AND GUTTER UNLESS OTHERWISE NOTED.
9. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB. ALL CURVES SHOWN WILL BE CIRCULAR UNLESS NOTED.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48121C0265G, 48121C0270G, 48121C0285G, AND 48121C0310G (2011).
11. CONVENTIONAL ROADWAY SIGNAGE (SIGNS), SIGNALS ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PSNC DESIGN AND CONSTRUCTION.
12. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DENTON COUNTY APPRAISAL DISTRICT (DENTON COUNTY GIS) AND COOKE COUNTY APPRAISAL DISTRICT (OCTOBER 2016).



SUPERELEVATION DATA

CURVE NUM	STATION LT	STATION RT	CURVE NUM	STATION LT	STATION RT
1	2178+00.00	2188+00.00	2	2189+00.00	2199+00.00

SUPERELEVATION DATA

CURVE NAME	STATION	CURVE NUM	CURVE NAME	STATION	CURVE NUM
RICHARDSON	2178+00.00	1	RICHARDSON	2189+00.00	2
	2188+00.00			2199+00.00	

SUPERELEVATION DATA

CURVE NAME	STATION	CURVE NUM	CURVE NAME	STATION	CURVE NUM
PROGRESS	2178+00.00	1	PROGRESS	2189+00.00	2
	2188+00.00			2199+00.00	

PROPERTY OWNERSHIP DATA

PARCEL	OWNER	ADDRESS	CITY, STATE, ZIP	LAND DESCRIPTION
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]

Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

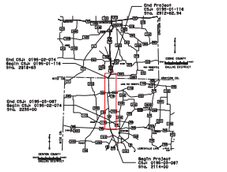
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
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Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes:	70 mph
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Scale: Horizontal 1"=200'
Scale: Vertical 1"=20'

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

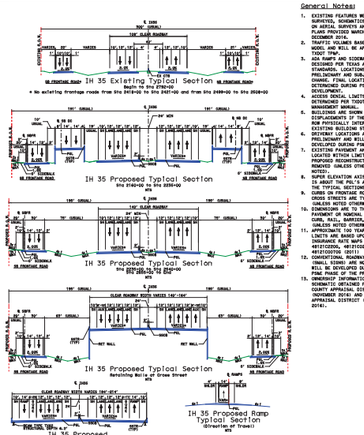
BRIAN MITCHELL — 3/1/2019
JASON A. ROBERTSON — 3/1/2019
NOTHWORTHY DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PRELIMINARY, SUBJECT TO CHANGE

ROLL 2 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1252
972.960.4400



* SEE SUPERELEVATION TABLES

LEGEND

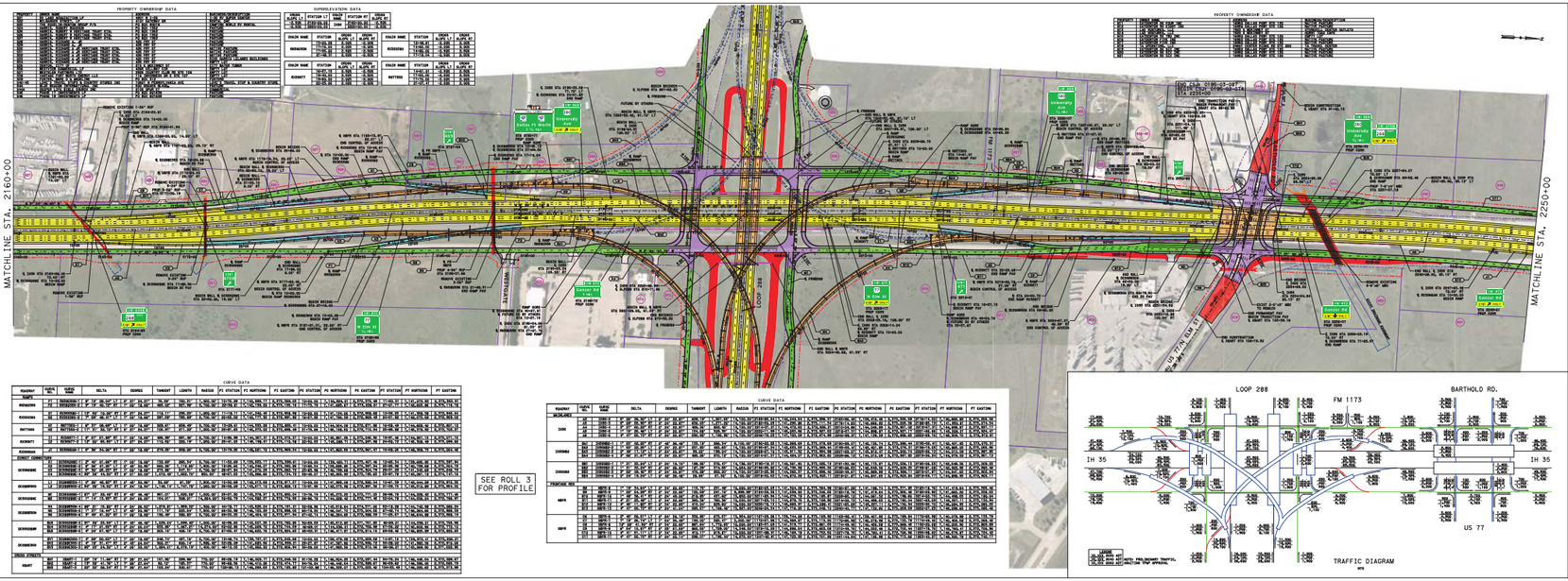
MAINLANES	MANAGED LANES	EXISTING RIGHT-OF-WAY
FRONTAGE ROADS	TRANSITION PAVEMENT	PROPOSED RIGHT-OF-WAY
RAMPS	BY OTHERS	PROPOSED DRAINAGE EASEMENT
BRIDGES	PAVEMENT REMOVAL	FUTURE WORK BY OTHERS
CROSS STREETS/LOCAL ROADS	CONTROL OF ACCESS	PROPERTY LINES
LOCAL STREET CONNECTOR	PROPOSED RETAINING WALL	

General Notes:

1. EXISTING FEATURES WERE NOT FIELD VERIFIED. INFORMATION ARE BASED ON AERIAL SURVEYS AND RECORD PLANS PROVIDED MARCH 2014 AND SUBSEQUENT UPDATES.
2. TRAFFIC VOLUMES BASED ON NCTCOG MODEL AND WILL BE APPROVED BY TXDOT DFW.
3. ADA RAMPS AND SIDEWALK ARE SHOWN FOR ILLUSTRATIVE FEASIBILITY STANDARDS. LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING PSNE DESIGN.
4. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS OF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
6. RETAINING WALLS ARE PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PSNE DESIGN.
7. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF CONSTRUCTION RECONSTRUCTION WILL BE REMOVED UNLESS OTHERWISE NOTED.
8. PROFILE GRADE ELEVATION AXIS OF ROTATION IS ABOUT THE PG'S AS SHOWN IN THE TYPICAL SECTIONS.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II UNLESS OTHERWISE NOTED.
10. STORMSEWERS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB. ALL INLETS ARE TYPE C (6') UNLESS OTHERWISE NOTED.
11. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48121C0265G, EFFECTIVE 04/18/2011, AND 48121C0270H EFFECTIVE 04/18/2011.
12. CONVENTIONAL ROADWAY SIGNAGE (SIGNS), SIGNALS ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PSNE DESIGN AND CONSTRUCTION.
13. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DENTON CENTRAL APPRAISAL DISTRICT (DENTON COUNTY) AND COOKE COUNTY APPRAISAL DISTRICT OCTOBER 2018 (DENTON COUNTY) AND OCTOBER 2017 (COOKE COUNTY).

SEE ROLL 3 FOR XSTREET TYPICAL SECTIONS

SEE ROLL 3 FOR PROFILE



Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

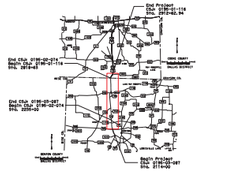
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CSJ: 0195-02-074
CSJ: 0195-01-116

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Direct Connectors: 40-50 mph



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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

BRIAN MITCHELL — 3/1/2019
JASON A. ROBERTSON — 3/1/2019
NOTHWORTHY DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PRELIMINARY, SUBJECT TO CHANGE

ROLL 2 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1252
972.960.4400

Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

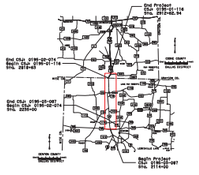
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NOVEMBER 2018

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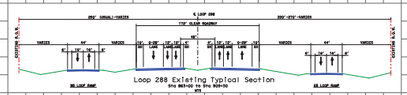
BRIAN SKINNELL — P.E. NUMBER
JASON M. ECKSTEIN — LICENSE P.E. NUMBER
NOVEMBER 2018 — DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

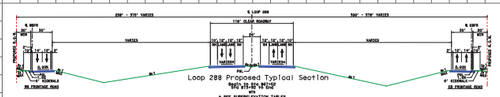
100% FINAL
PRELIMINARY, SUBJECT TO CHANGE

ROLL 3 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.950.6400



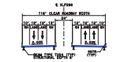
Loop 288 Exisiting Typical Section
Sta 863+00 to Sta 909+00
n/a



Loop 288 Proposed Typical Section
Sta 863+00 to Sta 909+00
n/a



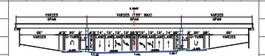
SL 288 Proposed
WB Frontage Road
Bridge Typical Section
Sta 868+19 to Sta 869+09
n/a



SL 288 Proposed
Mainlane Bridge Typical Section
Sta 867+62 to Sta 873+91
n/a

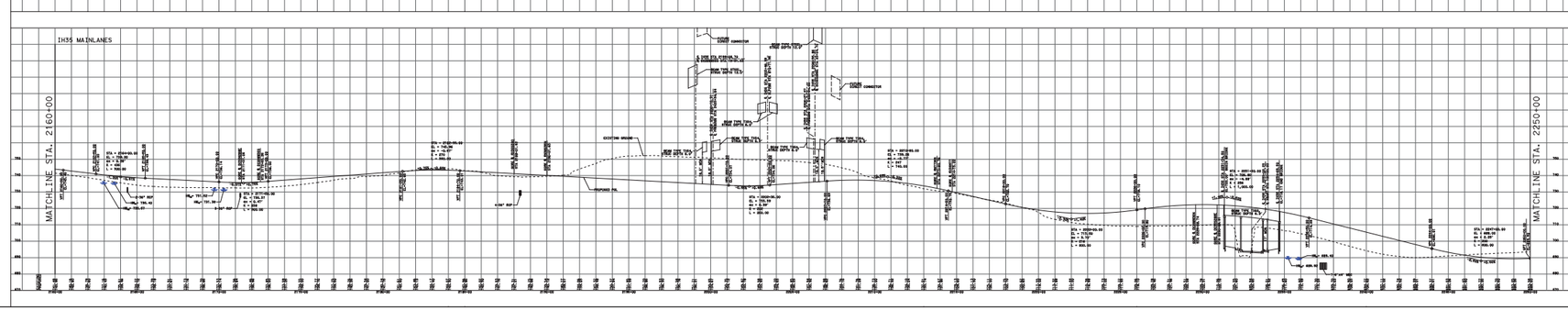


SL 288 Proposed
EB Frontage Road
Bridge Typical Section
Sta 868+19 to Sta 869+09
n/a



US 77/N Elm St/Barthold Rd
Proposed Typical Section
US 77/N Elm St/Barthold Rd at IH 35
n/a

IH35 MAINLANES



Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

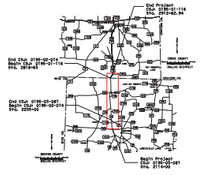
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
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Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER
THE DIRECT SUPERVISION OF:

BRIAN SKINNELL — P.E. NUMBER
JASON M. ECKSTEIN — LICENSE P.E. NUMBER
NOVEMBER 2018 — DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL
PRELIMINARY, SUBJECT TO CHANGE

ROLL 3 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.950.6400

Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

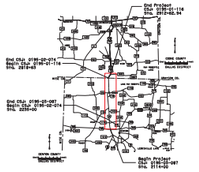
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NOVEMBER 2018

PRELIMINARY
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SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

BRIAN BENDELL — 12/2018 — P.E. LICENSE

JASON M. BOOHER — 12/2018 — P.E. LICENSE

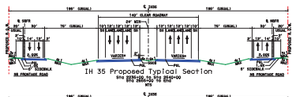
NOVEMBER 2018 — DATE

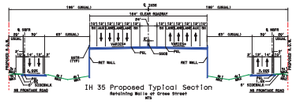
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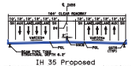
100% FINAL PLANS SUBJECT TO CHANGE

ROLL 4 OF 23

HDR
FIRM Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1233
972.960.4400









* SEE SUPERELEVATION TABLES



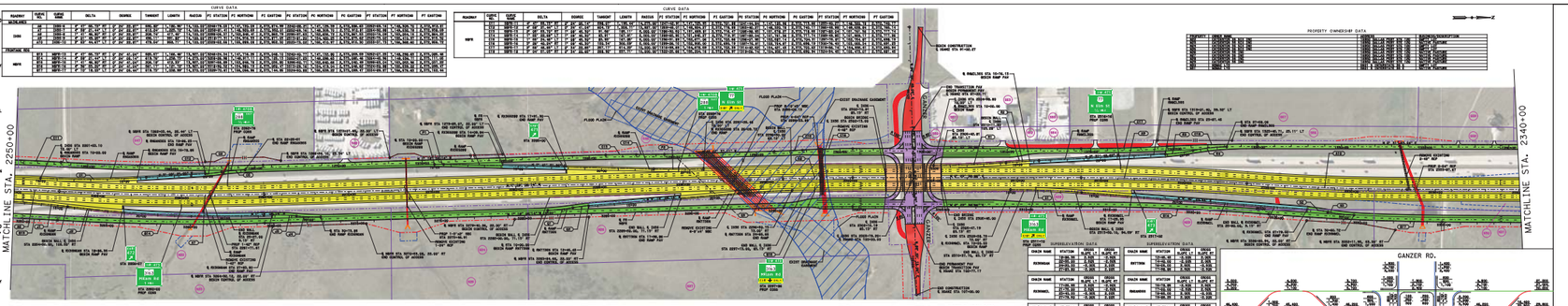


LEGEND

- MAINLANES
- FRONTAGE ROADS
- RAMPS
- BRIDGES
- CROSS STREETS/LOCAL ROADS
- LOCAL STREET CONNECTOR
- MANAGED LANES
- TRANSITION PAVEMENT
- BY OTHERS
- PAVEMENT REMOVAL
- CONTROL OF ACCESS
- PROPOSED RETAINING WALL
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- PROPOSED DRAINAGE EASEMENT
- FUTURE WORK BY OTHERS
- PROPERTY LINES

General Notes:

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4. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS OF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE. FINAL ROW WILL BE DETERMINED PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PS&E DESIGN.
6. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED.
7. PROFILE GRADE ELEVATION AXIS OF ROTATION IS ABOUT THE PG'S AS SHOWN IN THE TYPICAL SECTIONS.
8. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II UNLESS OTHERWISE NOTED.
9. STORMSEWERS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB. NO OUTFALLS, OR WALL OPENINGS SHOWN.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48121C0265G, 48121C0270G, 48121C0285G, AND 48121C0310G (2011).
11. CONVENTIONAL ROADWAY SIGNAGE (SIGNS), SIGNALS ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
12. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DENTON CENTRAL APPRAISAL DISTRICT (DENTON COUNTY) AND COLLIN COUNTY APPRAISAL DISTRICT (OCTOBER 2014).


MATCHLINE STA. 2250+00
MATCHLINE STA. 2340+00
IH 35
SL 288
GANZER RD.
FLOOD PLAIN
PROPOSED ROW
EXISTING ROW
PROPOSED DRAINAGE EASEMENT
EXISTING DRAINAGE EASEMENT
PROPOSED RETAINING WALL
EXISTING RETAINING WALL
PROPOSED BRIDGE
EXISTING BRIDGE
PROPOSED CONCRETE PAVEMENT
PROPOSED ASPHALT PAVEMENT
EXISTING CONCRETE PAVEMENT
EXISTING ASPHALT PAVEMENT
PROPOSED CONCRETE PAVEMENT REMOVAL
PROPOSED ASPHALT PAVEMENT REMOVAL

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Texas Department of Transportation

Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

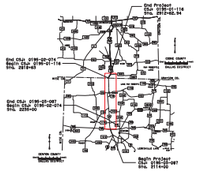
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Local Street Connectors:	40 mph
Cross Streets:	40 mph
Direct Connectors:	40-50 mph



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

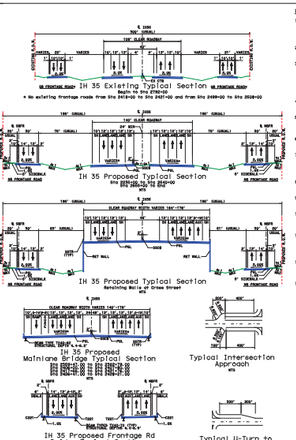
NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
BRIAN MITCHELL — 104828
JASON A. BOOKER — 119426
NOVEMBER 2018
DATE
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL
PRELIMINARY, SUBJECT TO CHANGE

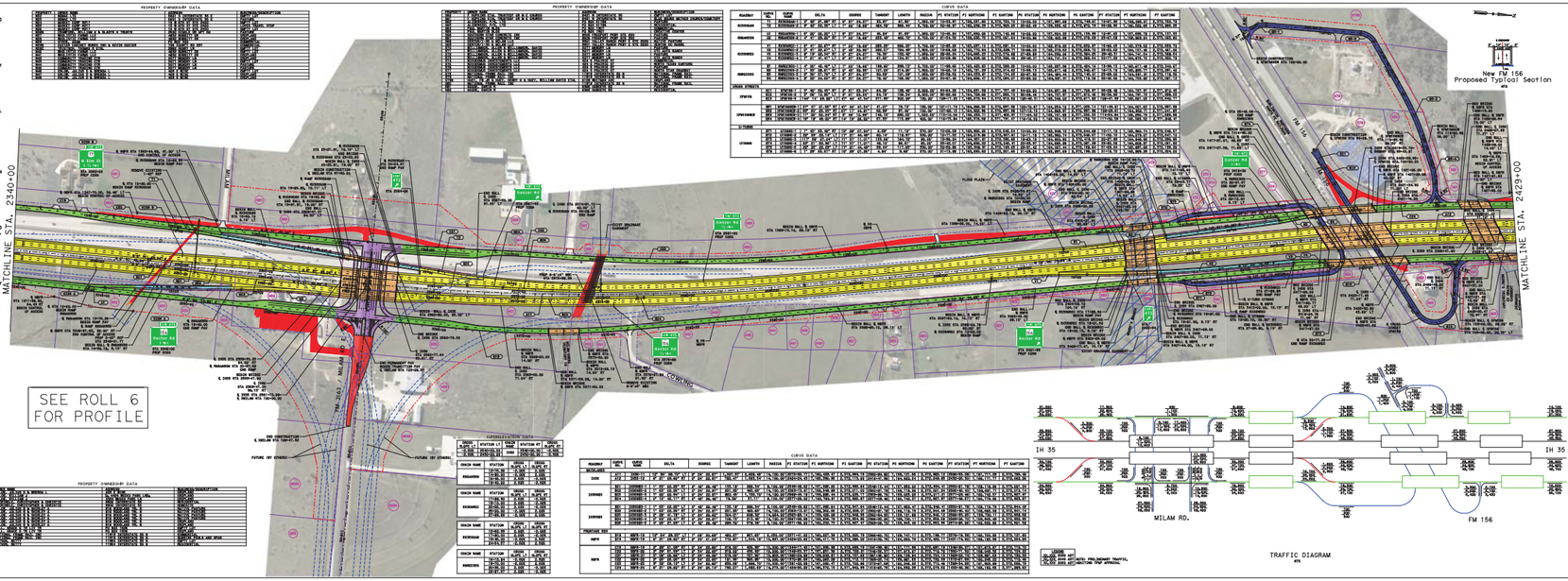
ROLL 5 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.950.4400



General Notes

1. EXISTING FEATURES WERE NOT FIELD VERIFIED. TOPOGRAPHICS ARE BASED ON AERIAL SURVEYS AND RECORD PLANS PROVIDED MARCH 2014 AND SUPPLEMENTED.
2. TRAFFIC VOLUMES BASED ON NOTICE MODEL AND WILL BE APPROVED BY TXDOT TPP4*.
3. ADA RAMPS AND SIDEWALK ARE SHOWN FOR ILLUSTRATIVE FEASIBILITY STANDARDS. LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING PSNE DESIGN.
4. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE. ALL BUILDINGS ARE PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PSNE DESIGN.
6. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF CONSTRUCTION LIMITS WILL BE REMOVED UNLESS OTHERWISE NOTED.
7. VERTICAL ELEVATION AXIS OF ROTATION IS ABOUT THE PG'S AS SHOWN IN THE TYPICAL SECTIONS.
8. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II UNLESS OTHERWISE NOTED.
9. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, UNLESS NOTED, OR WALL DIMENSIONS ARE TO FACE OF WALL.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48121C0265G, EFFECTIVE 04/18/2011, AND 48121C0255G, EFFECTIVE 04/18/2011.
11. CONVENTIONAL ROADWAY SIGNAGE SHOWN, SIGNAGE ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PSNE DESIGN PHASE OF PROJECT.
12. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DENTON COUNTY APPRAISAL DISTRICT (DENTON COUNTY APPRAISAL DISTRICT ONLINE DATA) AND COOKE COUNTY APPRAISAL DISTRICT OCTOBER 2016).



TRAFFIC DIAGRAM

Texas Department of Transportation
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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer
IH 35
DESIGN SCHEMATIC
From: US 380
To: 0.7 mi North of FM 3002
CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116
Denton and Cooke Counties
Functional Class: Interstate
Project Length= 15.12 Mile
Design Speed:
IH 35 Mainlanes: 70 mph
SL 288 Mainlanes: 60 mph
Ramps: 50 mph
Turnaround Ramps: 30 mph
Local Street Connectors: 40 mph
Cross Streets: 40 mph
Direct Connectors: 40-50 mph
Scale: Horizontal 1"=200'
Scale: Vertical 1"=20'
NOVEMBER 2018
PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
BRIAN MITCHELL — 104828
JASON A. BOOKER — 119426
NOVEMBER 2018
DATE
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES
100% FINAL
PRELIMINARY, SUBJECT TO CHANGE
ROLL 5 OF 23
HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.950.4400

Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

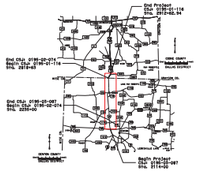
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes:	70 mph
SL 288 Mainlanes:	70 mph
Ramps:	50 mph
Turnaround Ramps:	30 mph
Local Street Connectors:	40 mph
Cross Streets:	40 mph
Direct Connectors:	40-50 mph



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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

BRIAN BENDELL — P.E. NUMBER
JASON ALCORTA — LICENSE NUMBER

NOVEMBER 2018
DATE

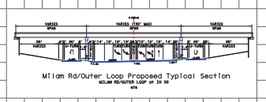
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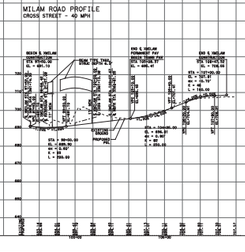
100% FINAL
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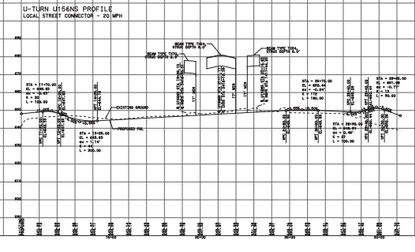
ROLL 6 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.950.6400











Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

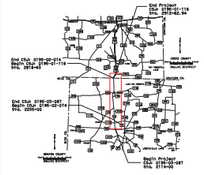
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes: 70 mph
SL 288 Mainlanes: 70 mph
Ramps: 50 mph
Turnaround Ramps: 30 mph
Local Street Connectors: 40 mph
Cross Streets: 40 mph
Direct Connectors: 40-50 mph



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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

BRIAN BENDELL — P.E. NUMBER
JASON ALCORTA — LICENSE NUMBER

NOVEMBER 2018
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

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ROLL 6 OF 23

HDR
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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

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Denton and Cooke Counties
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Design Speed:

IH 35 Mainlanes	70 mph
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Frontage Roads	40 mph
Cross Streets	40-50 mph
Direct Connectors	40-50 mph

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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

BRIAN MITCHELL, P.E. — DATE
JASON A. ESSTMAN, P.E. — DATE
NOVEMBER 2018

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PRELIMINARY, SUBJECT TO CHANGE

ROLL 7 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.960.4400

IH 35 Existing Typical Section

IH 35 Proposed Typical Section

IH 35 Proposed Typical Section

IH 35 Proposed Frontage Rd Bridge Typical Sections

Typical Intersection Approach

IH 35 Proposed Ramp Typical Section

Typical U-Turn to Frontage Rd Taper

Typical Ramp Entrance to Mainlanes Taper

Reactor Rd Proposed Typical Section

MATCHLINE STA. 2429+00

MATCHLINE STA. 2519+00

TRAFFIC DIAGRAM

Texas Department of Transportation

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Dallas District

Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

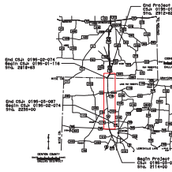
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

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

NOVEMBER 2018

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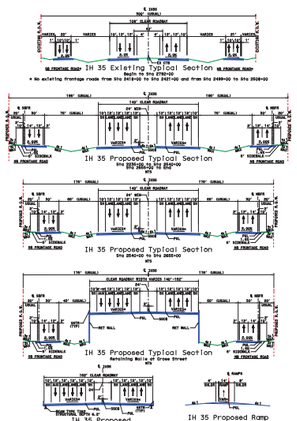
BRIAN MENDELL — 104828 — LICENSED PROFESSIONAL ENGINEER
JASON A. ECHTER — 124508 — REGISTERED PUBLIC SURVEYOR
NOVEMBER 2018
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PS&E THAT IS SUBJECT TO CHANGE

ROLL 8 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1252
972.450.6400

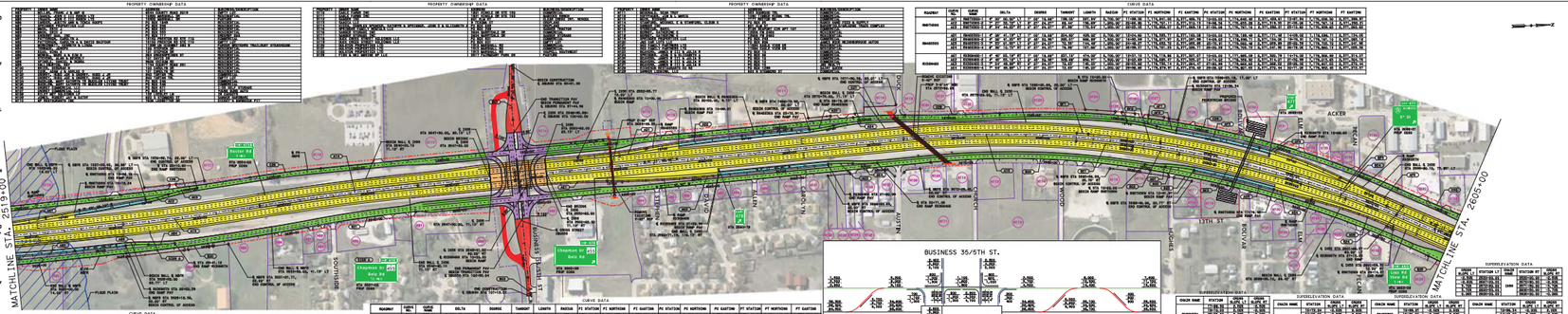


LEGEND

MAINLANES	MANAGED LANES
FRONTAGE ROADS	TRANSITION PAVEMENT
RAMPS	BY OTHERS
BRIDGES	PAVEMENT REMOVAL
CROSS STREETS/LOCAL ROADS	CONTROL OF ACCESS
LOCAL STREET CONNECTOR	PROPOSED RETAINING WALL
EXISTING RIGHT-OF-WAY	
PROPOSED RIGHT-OF-WAY	
PROPOSED DRAINAGE EASEMENT	
FUTURE WORK BY OTHERS	
PROPERTY LINES	

General Notes

1. EXISTING FEATURES WERE NOT FIELD VERIFIED. ALL DIMENSIONS ARE BASED ON AERIAL SURVEYS AND RECORD PLANS PROVIDED MARCH 2014 AND NOVEMBER 2017.
2. TRAFFIC VOLUMES BASED ON NCTCOG MODEL AND WILL BE APPROVED BY TXDOT TPAN.
3. ADA RAMPS AND SIDEWALK ARE SHOWN FOR ILLUSTRATIVE PURPOSES. STANDARDS, LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING PS&E.
4. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE. FINAL ROW WILL BE DETERMINED DURING PS&E.
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7. PROFILE GRADE ELEVATION AXIS OF ROTATION IS ABOUT THE PG'S AS SHOWN IN THE TYPICAL SECTIONS.
8. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II UNLESS OTHERWISE NOTED.
9. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, TO BACK OF BARRIER, OR WALL, UNLESS OTHERWISE NOTED.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48121C0265G, EFFECTIVE APRIL 18, 2011, AND 48121C0255G, EFFECTIVE APRIL 18, 2011.
11. CONVENTIONAL ROADWAY SIGNAGE (SIGNS), SIGNALS ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
12. CADASTRAL INFORMATION SHOWN OR SCHEMATIC OBTAINED FROM DENTON COUNTY APPRAISAL DISTRICT (INDENTURE 20741) AND COOKE COUNTY APPRAISAL DISTRICT OCTOBER 2017.



Texas Department of Transportation

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Dallas District

Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

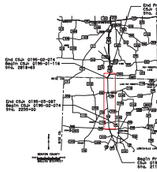
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes: 70 mph
SL 288 Mainlanes: 60 mph
Ramps: 50 mph
Turnaround Ramps: 30 mph
Local Street Connectors: 40 mph
Cross Streets: 40 mph
Direct Connectors: 40-50 mph



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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

BRIAN MENDELL — 104828 — LICENSED PROFESSIONAL ENGINEER
JASON A. ECHTER — 124508 — REGISTERED PUBLIC SURVEYOR
NOVEMBER 2018
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PS&E THAT IS SUBJECT TO CHANGE

ROLL 8 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1252
972.450.6400

Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

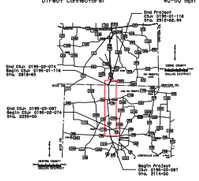
To: 0.7 mi North of FM 3002

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CSJ: 0195-02-074
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Denton and Cooke Counties
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NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC NOT TO BE USED FOR CONSTRUCTION OR UNDER THE DIRECT SUPERVISION OF:

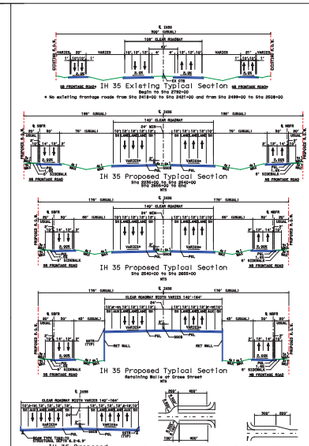
BRIAN MCDANIEL — 97 LICENSED
JASON M. ECKSTEIN — 113858 LICENSED
NOVEMBER 2018
DATE RELEASED FOR PLANNING PURPOSES ONLY

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PRELIMINARY, SUBJECT TO CHANGE

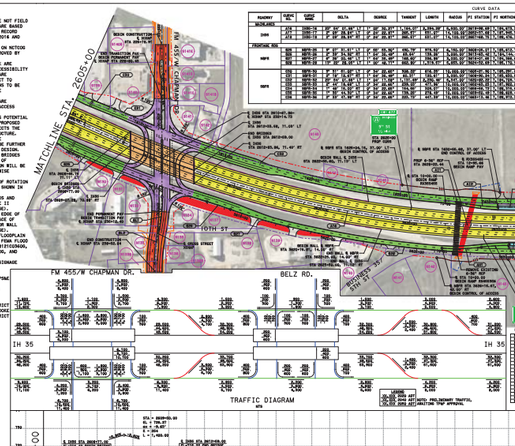
ROLL 9 OF 23

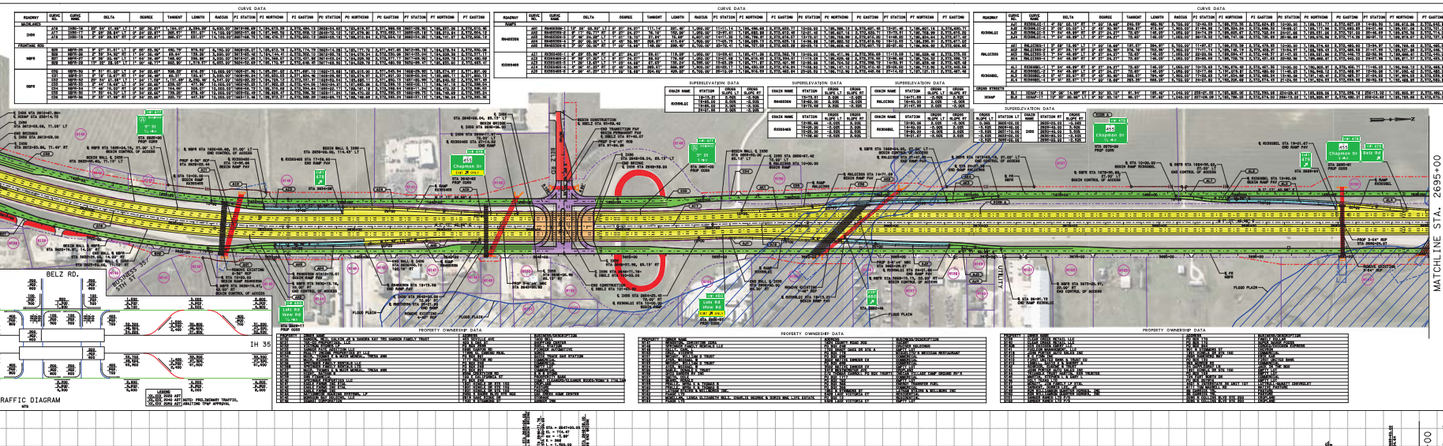
HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
(972)450-6400

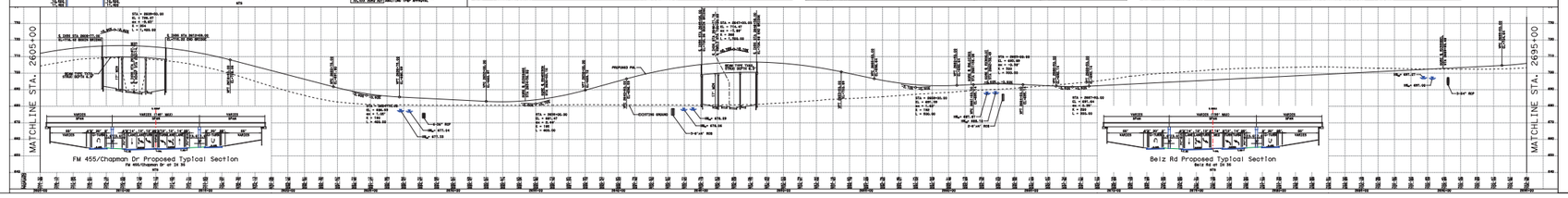


General Notes

1. EXISTING FEATURES WERE NOT FIELD VERIFIED. INFORMATION ARE BASED ON AERIAL SURVEYS AND RECORD PLANS PROVIDED MARCH 2014 AND SUBSEQUENTLY.
2. TRAFFIC VOLUMES BASED ON NCTCOG MODEL AND WILL BE APPROVED BY TXDOT TPAD.
3. ADA RAMPS AND SIDEWALK ARE SHOWN FOR ILLUSTRATIVE FEASIBILITY STANDARDS. LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING PSNE PHASE.
4. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE. ACTUAL IMPACTS MAY VARY.
6. PRELIMINARY ROW WILL BE FURTHER DEVELOPED DURING PSNE DESIGN.
7. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF CONSTRUCTION SHOWN WILL BE REMOVED UNLESS OTHERWISE NOTED.
8. PROFILE GRADE ELEVATION AXIS OF ROTATION IS ABOUT THE PG'S AS SHOWN IN THE TYPICAL SECTIONS.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II CURB AND GUTTER UNLESS NOTED.
10. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, UNLESS OTHERWISE NOTED.
11. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48121C0265G, 48121C0270G, 48121C0285G, AND 48121C0290G (2011).
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PSNE PHASE OF THE PROJECT.
13. OWNERSHIP INFORMATION (PARCEL LINES) WERE OBTAINED FROM DENTON COUNTY APPRAISAL DISTRICT (NOVEMBER 2016) AND COOKE COUNTY APPRAISAL DISTRICT (OCTOBER 2016).







Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

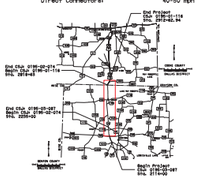
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes: 70 mph
SL 288 Mainlanes: 70 mph
Ramps: 50 mph
Turnaround Ramps: 30 mph
Local Street Connectors: 40 mph
Cross Streets: 40 mph
Direct Connectors: 40-50 mph



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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC NOT TO BE USED FOR CONSTRUCTION OR UNDER THE DIRECT SUPERVISION OF:

BRIAN MCDANIEL — 97 LICENSED
JASON M. ECKSTEIN — 113858 LICENSED
NOVEMBER 2018
DATE RELEASED FOR PLANNING PURPOSES ONLY

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ROLL 9 OF 23

HDR
Firm Registration No. F-754
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Dallas District

Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

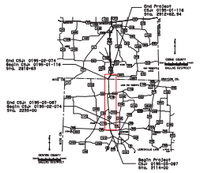
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Scale: Vertical 1"=20'

NOVEMBER 2018

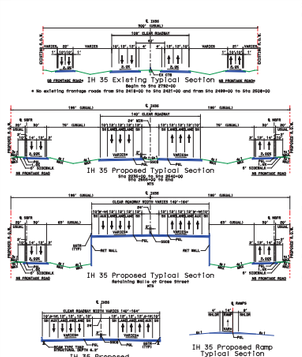
PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
BRIAN MITCHELL — 124324 — LICENSED PROFESSIONAL ENGINEER
JASON A. ROSTER — 124324 — LICENSED PROFESSIONAL ENGINEER
NOVEMBER 2018 — DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PRELIMINARY, SUBJECT TO CHANGE

ROLL 10 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.950.4400

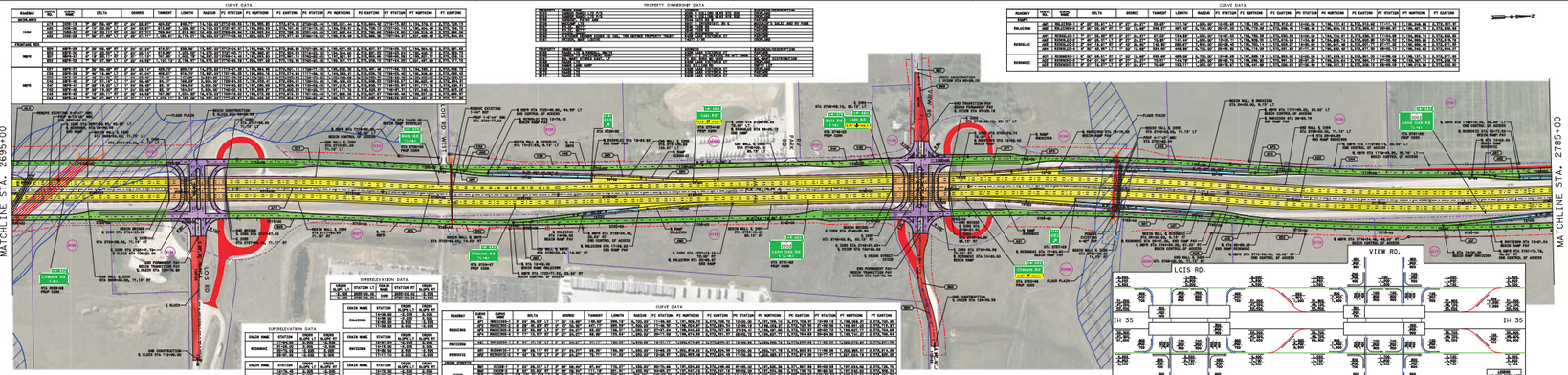


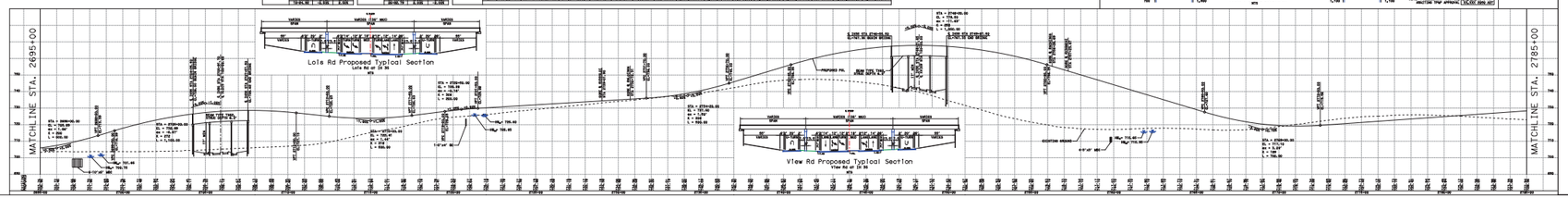
General Notes

1. EXISTING FEATURES WERE NOT FIELD VERIFIED. INFORMATION ARE BASED ON AERIAL SURVEYS AND RECORD PLANS PROVIDED MARCH 2014 AND SUBSEQUENT.
2. TRAFFIC VOLUMES BASED ON NCTCOG MODEL AND WILL BE APPROVED BY TXDOT TPAT.
3. ADA RAMPS AND SIDEWALK ARE SHOWN FOR ILLUSTRATIVE PURPOSES STANDARDS, LOCATIONS ARE PRELIMINARY AND SUBJECT TO DETERMINED DURING FINAL DESIGN.
4. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS OF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
6. ENVIRONMENTAL IMPACTS ARE PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PS&E DESIGN.
7. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF CONSTRUCTION LIMITS WILL BE REMOVED UNLESS OTHERWISE NOTED.
8. PROFILE ELEVATION AXIS OF ROTATION IS ABOUT THE PG'S AS SHOWN IN THE TYPICAL SECTIONS.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II
10. ALL DIMENSIONS ARE IN FEET. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, UNLESS NOTED OTHERWISE.
11. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48121C0265G, 48121C0270G, 48121C0285G, AND 48121C0290G (2011).
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
13. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DENTON COUNTY APPRAISAL DISTRICT (NOVEMBER 2016) AND COOKE COUNTY APPRAISAL DISTRICT (OCTOBER 2016).

LEGEND

MAINLANES	MANAGED LANES	EXISTING RIGHT-OF-WAY
FRONTAGE ROADS	TRANSITION PAVEMENT	PROPOSED RIGHT-OF-WAY
RAMPS	BY OTHERS	PROPOSED DRAINAGE EASEMENT
BRIDGES	PAVEMENT REMOVAL	FUTURE WORK BY OTHERS
CROSS STREETS/LOCAL ROADS	CONTROL OF ACCESS	PROPERTY LINES
LOCAL STREET CONNECTOR	PROPOSED RETAINING WALL	





Texas Department of Transportation

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Dallas District

Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

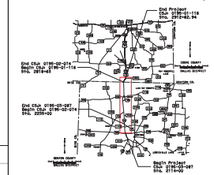
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes: 70 mph
SL 288 Mainlanes: 70 mph
Ramps: 50 mph
Turnaround Ramps: 30 mph
Local Street Connectors: 40 mph
Cross Streets: 40 mph
Direct Connectors: 40-50 mph



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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
BRIAN MITCHELL — 124324 — LICENSED PROFESSIONAL ENGINEER
JASON A. ROSTER — 124324 — LICENSED PROFESSIONAL ENGINEER
NOVEMBER 2018 — DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PRELIMINARY, SUBJECT TO CHANGE

ROLL 10 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.950.4400

Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

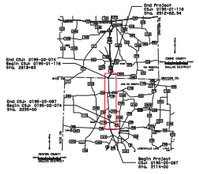
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes:	70 mph
SL 288 Mainlanes:	70 mph
Ramps:	50 mph
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Local Street Connectors:	40 mph
Cross Streets:	40 mph
Direct Connectors:	40-50 mph



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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
NOT TO BE USED FOR BIDDING OR UNDER THE DIRECT SUPERVISION OF:

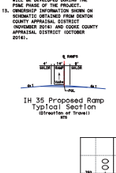
BRIAN BRONDELL	104855
Name	P.E. No.
JASON A. ROOTER	114004
Name	P.E. No.
NOVEMBER 2018	
Date	

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 11 OF 23

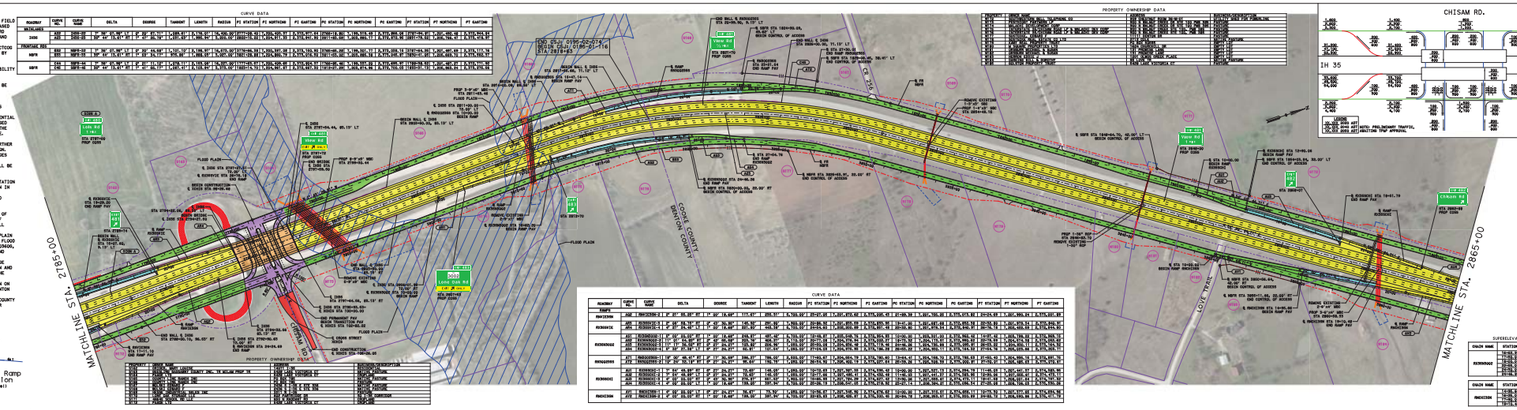
100% FINAL PRELIMINARY, SUBJECT TO CHANGE

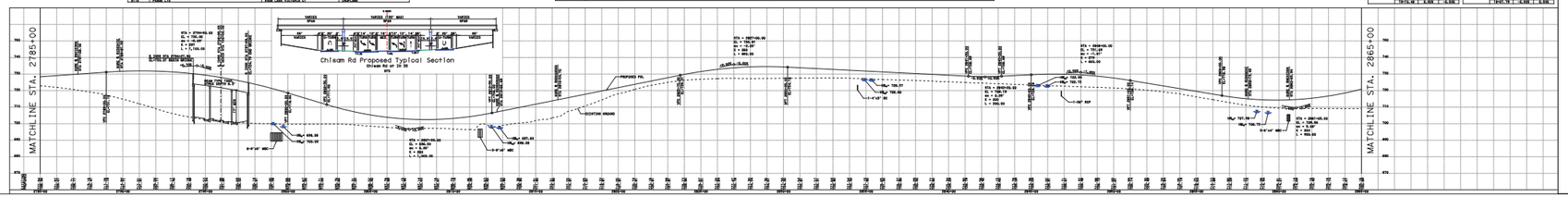
HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
(972)960.4400



General Notes

1. EXISTING FEATURES WERE NOT FIELD VERIFIED. ALL INFORMATION ARE BASED ON AERIAL SURVEYS AND RECORD PLANS PROVIDED MARCH 2016 AND MARCH 2017.
2. TRAFFIC VOLUMES BASED ON NCTCOG MODEL AND WILL BE APPROVED BY TXDOT TPAN.
3. ADA RAMPS AND SIDEWALK ARE SHOWN FOR GRAPHICAL FEASIBILITY STUDY PURPOSES. LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING PSNC DESIGN.
4. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS OF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE. FINAL IMPACTS TO BE DETERMINED PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PSNC DESIGN.
6. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF CONSTRUCTION WILL BE REMOVED UNLESS OTHERWISE NOTED.
7. PROFILE GRADE ELEVATION AXIS OF ROTATION IS ABOUT THE PG'S AS SHOWN IN THE TYPICAL SECTIONS.
8. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II UNLESS OTHERWISE NOTED.
9. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB, UNLESS NOTED OTHERWISE.
10. SLOPES SHOWN ARE TYPICAL.
11. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48121C0265G, EFFECTIVE 04/18/2011, AND 48121C0270H, EFFECTIVE 04/18/2011.
12. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PSNC DESIGN PHASE.
13. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DENTON COUNTY APPRAISAL DISTRICT (DENTON COUNTY) AND COOKE COUNTY APPRAISAL DISTRICT OCTOBER 2016).





Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

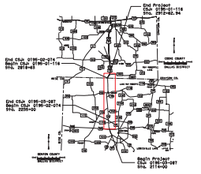
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes: 70 mph
SL 288 Mainlanes: 70 mph
Ramps: 50 mph
Turnaround Ramps: 30 mph
Local Street Connectors: 40 mph
Cross Streets: 40 mph
Direct Connectors: 40-50 mph



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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
NOT TO BE USED FOR BIDDING OR UNDER THE DIRECT SUPERVISION OF:

BRIAN BRONDELL 104855
Name P.E. No.
JASON A. ROOTER 114004
Name P.E. No.
NOVEMBER 2018
Date

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 11 OF 23

100% FINAL PRELIMINARY, SUBJECT TO CHANGE

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
(972)960.4400

Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

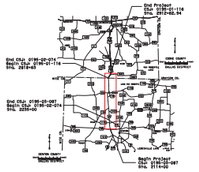
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
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Scale: Horizontal 1"=200'
Scale: Vertical 1"=20'

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
BRYAN DEMELLS — 10/2018 — P.E. NUMBER
JASON M. ECHTER — 11/2018 — P.E. NUMBER
NOVEMBER 2018 — DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PLANS SUBJECT TO CHANGE

ROLL 12 OF 23

HDR
FIRM Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1233
972.960.4400

General Notes

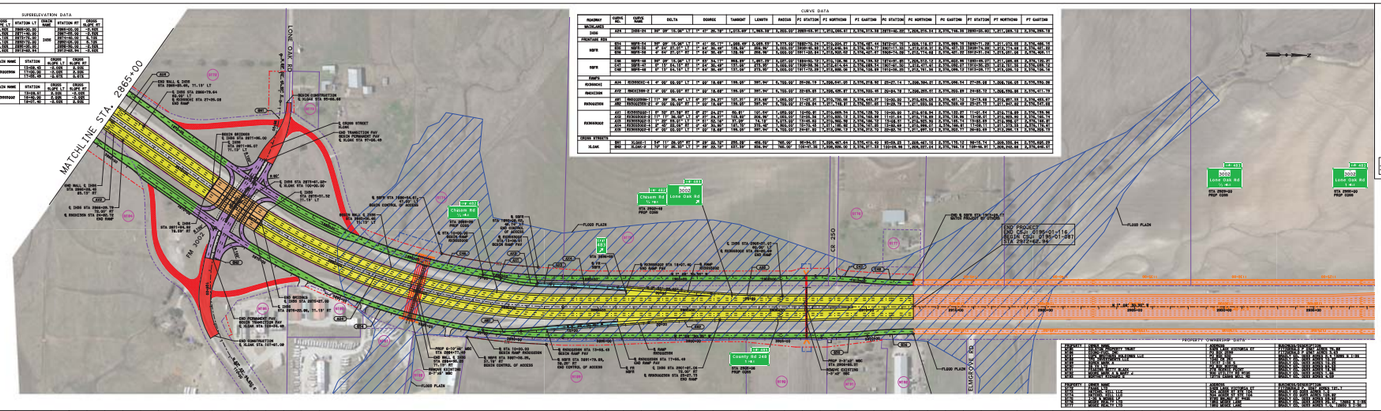
1. EXISTING FEATURES WERE NOT FIELD VERIFIED. TOPOGRAPHICS ARE BASED ON AERIAL SURVEYS AND RECORD PLANS PROVIDED MARCH 2014 AND SUBSEQUENT UPDATES.
2. TRAFFIC VOLUMES BASED ON MOTION MODEL AND WILL BE APPROVED BY TXDOT TPAC.
3. ADA RAMPS AND SIDEWALK ARE SHOWN FOR ILLUSTRATIVE PURPOSES. STANDARDS, LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING PS&E.
4. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE. FINAL ROW IS PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PS&E DESIGN.
6. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF CONSTRUCTION ALIGNMENT WILL BE REMOVED UNLESS OTHERWISE NOTED.
7. SUPER-ELEVATION AXIS OF ROTATION IS ABOUT THE PG'S AS SHOWN IN THE TYPICAL SECTIONS.
8. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II CURB UNLESS OTHERWISE NOTED.
9. SIGNMOUNTS ARE TO THE EDGE OF PAVEMENT OR NOMINAL FACE OF CURB. SEE SIGNING PLANS FOR SIGN PLACEMENT DETAILS.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS 48121C0265G, EFFECTIVE 04/18/2011, AND 48121C0270G EFFECTIVE 04/18/2011.
11. CONVENTIONAL ROADWAY SIGNAGE (SIGNS), SIGNALS ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
12. OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DENTON COUNTY APPRAISAL DISTRICT (DENTON COUNTY) AND COOKE COUNTY APPRAISAL DISTRICT OCTOBER 2016).

SUPERELEVATION DATA

MAINLANE	STATION LT	STATION RT	RAMP
NB ML	2865+00.00	2865+00.00	NB
NB ML	2870+51.00	2870+51.00	NB
SB ML	2865+00.00	2865+00.00	SB
SB ML	2870+51.00	2870+51.00	SB
NB ML	2870+51.00	2870+51.00	NB
NB ML	2875+00.00	2875+00.00	NB
SB ML	2870+51.00	2870+51.00	SB
SB ML	2875+00.00	2875+00.00	SB

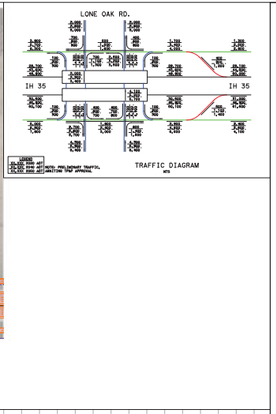
CROSS ROAD	STATION	LEFT	RIGHT
EB FRONTAGE	2865+00.00	4.00%	4.00%
EB FRONTAGE	2870+51.00	4.00%	4.00%

CROSS ROAD	STATION	LEFT	RIGHT
WB FRONTAGE	2865+00.00	4.00%	4.00%
WB FRONTAGE	2870+51.00	4.00%	4.00%



CURVE DATA

ROADWAY	CURVE NAME	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	PC STATION	PC NORTHING	PC EASTING	PI STATION	PI NORTHING	PI EASTING	PT STATION	PT NORTHING	PT EASTING
MAINLANES															
SMA															
FRONTAGE RDS															
NBFR															
SBFR															
RAMPS															
RDWAY1															
RDWAY2															
RDWAY3															
RDWAY4															
RDWAY5															
CROSS STREETS															
SLANE															



PROPERTY OWNERSHIP DATA

1	[illegible]	[illegible]
2	[illegible]	[illegible]
3	[illegible]	[illegible]
4	[illegible]	[illegible]
5	[illegible]	[illegible]

Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

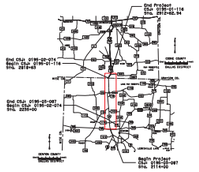
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes:	70 mph
SL 288 Mainlanes:	70 mph
Ramps:	50 mph
Turnaround Ramps:	30 mph
Local Street Connectors:	40 mph
Cross Streets:	40 mph
Direct Connectors:	40-50 mph



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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER DIRECT SUPERVISION OF:

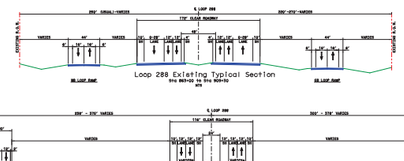
BRIAN BENDELL	104855
JASON A. BOOTER	119308
NOVEMBER 2018	
DATE	

100% FINAL PRELIMINARY SUBJECT TO CHANGE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 13 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1233
972.960.4400



1. EXISTING FEATURES MORE NOT FIELD SURVEYED, DIMENSIONS ARE BASED ON AERIAL MAPPING AND PLANS PROVIDED MARCH 2016 AND DECEMBER 2016.
2. TRAFFIC VOLUMES BASED ON NCTCOG MODEL AND WILL BE APPROVED BY TXDOT PRIOR.
3. ADA RAMPS AND CROSSWALK LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING DESIGN PHASE.
4. HORIZON DENSAL LIGHTS WERE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
5. BUILDINGS ARE SHOWN AS POTENTIAL RELOCATIONS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
6. DRIVEWAY LOCATIONS ARE PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING DESIGN PHASE.
7. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED UNLESS OTHERWISE NOTED.
8. SUPER ELEVATION AXIS OF ROTATION IS ABOUT THE PGL'S AS SHOWN IN THE TYPICAL SECTIONS.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE II (UNLESS NOTED OTHERWISE).
10. DIMENSIONS ARE TO THE EDGE OF PAVEMENT, FACE OF CURB, FACE OF RAIL, FACE OF BARRIER, OR WALL (UNLESS NOTED OTHERWISE).
11. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED ON EFFECTIVE FLOOD INSURANCE RATE MAPS (FIRMS) DATED APRIL 18, 2011.
12. GEOTECHNICAL AND HISTRIONIC COSTS
13. CONVENTIONAL ROADWAY STORAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE FINAL PHASE OF THE PROJECT.
15.

LEGEND

MAINLANES	MANAGED LANES
FRONTAGE ROADS	TRANSITION PAVEMENT
RAMPS	BY OTHERS
BRIDGES	PAVEMENT REMOVAL
CROSS STREETS/LOCAL ROADS	CONTROL OF ACCESS
LOCAL STREET CONNECTOR	PROPOSED RETAINING WALL
EXISTING RIGHT-OF-WAY	
PROPOSED RIGHT-OF-WAY	
PROPOSED DRAINAGE EASEMENT	
FUTURE WORK BY OTHERS	
PROPERTY LINES	

SUPERELEVATION DATA

CONTROL	STATION LT	RATE LT	STATION RT	RATE RT
0195-03-087	2170+00.34	-4.0%	2170+00.34	-4.0%
	2172+00.34	-4.0%	2172+00.34	-4.0%
	2174+00.34	-2.0%	2174+00.34	-2.0%
	2176+00.34	FLAT	2176+00.34	FLAT
	2178+00.34	2.0%	2178+00.34	2.0%
	2180+00.34	4.0%	2180+00.34	4.0%
	2182+00.34	4.0%	2182+00.34	4.0%

SUPERELEVATION DATA

CONTROL NAME	STATION	CROSS SLOPE	CROSS SLOPE
SL288WB	2170+00.34	-4.0%	-4.0%
	2172+00.34	-4.0%	-4.0%
	2174+00.34	-2.0%	-2.0%
	2176+00.34	FLAT	FLAT
	2178+00.34	2.0%	2.0%
	2180+00.34	4.0%	4.0%
	2182+00.34	4.0%	4.0%

SUPERELEVATION DATA

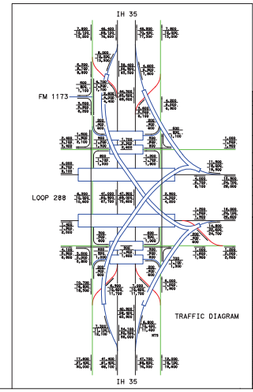
CONTROL NAME	STATION	CROSS SLOPE	CROSS SLOPE
SL288EB	2170+00.34	-4.0%	-4.0%
	2172+00.34	-4.0%	-4.0%
	2174+00.34	-2.0%	-2.0%
	2176+00.34	FLAT	FLAT
	2178+00.34	2.0%	2.0%
	2180+00.34	4.0%	4.0%
	2182+00.34	4.0%	4.0%

SUPERELEVATION DATA

CONTROL NAME	STATION	CROSS SLOPE	CROSS SLOPE
SL288EB	2170+00.34	-4.0%	-4.0%
	2172+00.34	-4.0%	-4.0%
	2174+00.34	-2.0%	-2.0%
	2176+00.34	FLAT	FLAT
	2178+00.34	2.0%	2.0%
	2180+00.34	4.0%	4.0%
	2182+00.34	4.0%	4.0%

SUPERELEVATION DATA

CONTROL NAME	STATION	CROSS SLOPE	CROSS SLOPE
RDWY677	2170+00.34	-4.0%	-4.0%
	2172+00.34	-4.0%	-4.0%
	2174+00.34	-2.0%	-2.0%
	2176+00.34	FLAT	FLAT
	2178+00.34	2.0%	2.0%
	2180+00.34	4.0%	4.0%
	2182+00.34	4.0%	4.0%



TRAFFIC DIAGRAM

PROPERTY OWNERSHIP DATA

PARCEL	OWNER NAME	PROPERTY DESCRIPTION
1	[illegible]	[illegible]
2	[illegible]	[illegible]
3	[illegible]	[illegible]
4	[illegible]	[illegible]
5	[illegible]	[illegible]

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

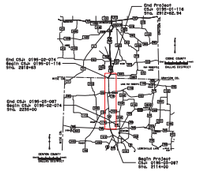
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes:	70 mph
SL 288 Mainlanes:	70 mph
Ramps:	50 mph
Turnaround Ramps:	30 mph
Local Street Connectors:	40 mph
Frontage Roads:	40 mph
Cross Streets:	40 mph
Direct Connectors:	40-50 mph


End CSJ: 0195-03-087
Beg CSJ: 0195-02-074
STA: 2227+00.00
End CSJ: 0195-02-074
Beg CSJ: 0195-01-116
STA: 2227+00.00
SOUTH POINT ROAD
DENTON
DENTON CO
DENTON CO
DENTON CO

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

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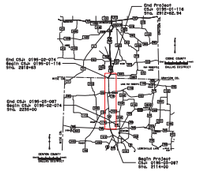
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Scale: Horizontal 1"=200'
Scale: Vertical 1"=20'

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
BRIAN MENDELL — P.E. LICENSE
JASON ALLEMAN — P.E. LICENSE
NOVEMBER 2018
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL
PRELIMINARY, SUBJECT TO CHANGE

ROLL 15 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.450.6400

NB FRONTAGE ROAD PROFILE

NB RAMP RX35NGAN

NB RAMP RN7735N

NB RAMP RX35NMIL

MATCH LINE STA. 3221+00

MATCH LINE STA. 3330+00

SB FRONTAGE ROAD PROFILE

SB RAMP RN7735S

SB RAMP RNGAN35S

SB RAMP RX355288

SB RAMP RNMI_35S

MATCH LINE STA. 1220+00

MATCH LINE STA. 1329+00

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

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972.450.6400

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

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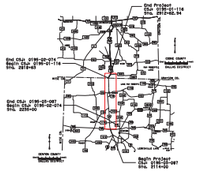
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NOVEMBER 2018

PRELIMINARY
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SCHEMATIC PREPARED BY OR UNDER
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BRIAN BENDELL — P.E. NUMBER
JASON A. KOSTER — 119308 — P.E. NUMBER

NOVEMBER 2018 — DATE

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ROLL 16 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.950.6400

NB FRONTAGE ROAD PROFILE

NB RAMP RNGAN35N

NB RAMP RX35NREC

NB RAMP RN1535N

MATCH LINE STA. 3330+00

MATCH LINE STA. 3439+00

SB FRONTAGE ROAD PROFILE

SB RAMP RX35SGAN

SB RAMP RNREC35S

SB RAMP RX35S156

MATCH LINE STA. 1329+00

MATCH LINE STA. 1438+00

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

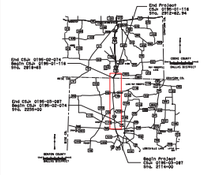
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Denton and Cooke Counties
Functional Class: Interstate
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NOVEMBER 2018

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SCHEMATIC PREPARED BY OR UNDER
THE DIRECT SUPERVISION OF:

BRIAN BENDELL — P.E. NUMBER
JASON A. KOSTER — 119308 — P.E. NUMBER

NOVEMBER 2018 — DATE

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ROLL 16 OF 23

HDR
Firm Registration No. F-754
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972.950.6400

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

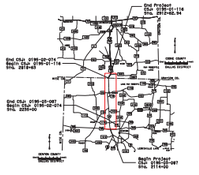
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NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

BRIAN MENDELL — 11-9018 — P.E. LICENSE
JASON M. EDISTEIN — 11-9018 — P.E. LICENSE

NOVEMBER 2018 – DRAFT
DATE

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ROLL 17 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.450.6400

NB FRONTAGE RD PROFILE

NB RAMP RNREC35N

NB RAMP RX35N5TH

MATCHLINE STA. 3439+00

MATCHLINE STA. 3548+00

SB FRONTAGE RD PROFILE

SB RAMP RX35SREC

SB RAMP RN5TH35S

MATCHLINE STA. 1438+00

MATCHLINE STA. 1547+00

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

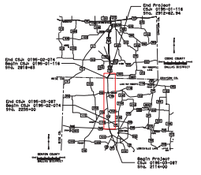
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Denton and Cooke Counties
Functional Class: Interstate
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JASON M. EDISTEIN — 11-9018 — P.E. LICENSE

NOVEMBER 2018 – DRAFT
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HDR
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17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.450.6400

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Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

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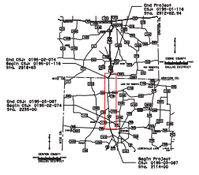
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PRELIMINARY
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SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

BRIAN MENDELL — 11-9018 — 11/30/18
JASON M. ROOSTER — 11-9018 — 11/30/18

NOVEMBER 2018

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ROLL 18 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.950.6400

NB FRONTAGE ROAD PROFILE

NB RAMP RX35N455

NB RAMP RN5TH35N

NB RAMP RN45535N

MATCH LINE STA. 3548+00

MATCH LINE STA. 3657+00

SB FRONTAGE ROAD PROFILE

SB RAMP RN45535S

SB RAMP RX355TH

SB RAMP RX355455

MATCH LINE STA. 1547+00

MATCH LINE STA. 1656+00

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

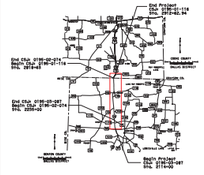
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Denton and Cooke Counties
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NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

BRIAN MENDELL — 11-9018 — 11/30/18
JASON M. ROOSTER — 11-9018 — 11/30/18

NOVEMBER 2018

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ROLL 18 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.950.6400

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

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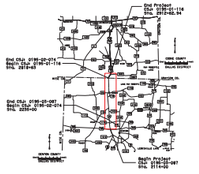
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NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER
THE DIRECT SUPERVISION OF:

BRIAN BENDELL — P.E. — 123456
JASON M. KOSTOFF — 113008
ENGINEER — STATE OF TEXAS
NOVEMBER 2018
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL
FULL SCHEMATIC, SUBJECT TO CHANGE

ROLL 19 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.450.6400

NB FRONTAGE ROAD PROFILE

NB RAMP RX35NL01

NB RAMP RNL0135N

NB RAMP RX35NCH1

MATCH LINE STA. 3657+00

MATCH LINE STA. 3766+00

SB FRONTAGE ROAD PROFILE

SB RAMP RNL0135S

SB RAMP RX35SBEL

SB RAMP RX35SL01

MATCH LINE STA. 1656+00

MATCH LINE STA. 1765+00

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

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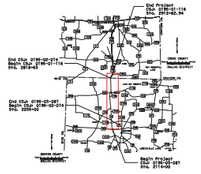
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NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER
THE DIRECT SUPERVISION OF:

BRIAN BENDELL — P.E. — 123456
JASON M. KOSTOFF — 113008
ENGINEER — STATE OF TEXAS
NOVEMBER 2018
DATE

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ROLL 19 OF 23

HDR
Firm Registration No. F-754
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Dallas, Texas 75248-1232
972.450.6400

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Dallas District Engineer

IH 35

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From: US 380

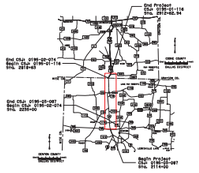
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NOVEMBER 2018

PRELIMINARY
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SCHEMATIC PREPARED BY OR UNDER
THE DIRECT SUPERVISION OF:

BRIAN MENDELL — 11/2018
JASON A. KOSTER — 11/2018

NOVEMBER 2018
DATE

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100% FINAL
FULL SCHEMATIC, SUBJECT TO CHANGE

ROLL 20 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1232
972.950.6400

NB FRONTAGE ROAD PROFILE

NB RAMP RNVIE35N

NB RAMP RX35N3002

NB RAMP RNCH135N

MATCHLINE STA. 3766+00

MATCHLINE STA. 3875+00

SB RAMP RNCH135S

SB FRONTAGE ROAD PROFILE

SB RAMP RX35SVIE

SB RAMP RN300235S

SB RAMP RX35SCH1

MATCHLINE STA. 1765+00

MATCHLINE STA. 1874+00

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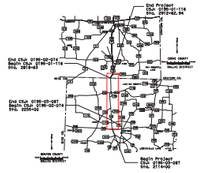
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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35
DESIGN SCHEMATIC
From: US 380
To: 0.7 mi North of FM 3002
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Denton and Cooke Counties
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NOVEMBER 2018
PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER
THE DIRECT SUPERVISION OF:
BRIAN MENDELL — 11/2018
JASON A. KOSTER — 11/2018
NOVEMBER 2018
DATE
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES
100% FINAL
FULL SCHEMATIC, SUBJECT TO CHANGE
ROLL 20 OF 23
HDR
Firm Registration No. F-754
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Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
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Frontage Roads:	45 mph
Cross Streets:	40 mph
Direct Connectors:	40-50 mph

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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER DIRECT SUPERVISION OF:

BRIAN BENDELL — 6/2020
JASON A. BOOTER — 6/2020

NOVEMBER 2018
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PLANS SUBJECT TO CHANGE

ROLL 21 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1233
972.960.4400

NB FRONTAGE ROAD PROFILE

NB RAMP RN300235N

MATCHLINE STA. 3875+00

SB FRONTAGE RD PROFILE

SB RAMP RX3553002

MATCHLINE STA. 1874+00

US 77/BARTHOLD ROAD PROFILE
CROSS STREET - 40 MPH

GANZER ROAD PROFILE
CROSS STREET - 40 MPH

RECTOR ROAD PROFILE
CROSS STREET - 40 MPH

BUSINESS 35/KEATON ROAD PROFILE
CROSS STREET - 40 MPH

CHAPMAN DRIVE PROFILE
CROSS STREET - 40 MPH

BELZ ROAD PROFILE
CROSS STREET - 40 MPH

LOIS ROAD PROFILE
CROSS STREET - 40 MPH

VIEW ROAD PROFILE
CROSS STREET - 40 MPH

CHISAM ROAD PROFILE
CROSS STREET - 40 MPH

FM 3002/LONE OAK ROAD PROFILE
CROSS STREET - 40 MPH

FM 156 PROFILE
LOCAL STREET CONNECTOR - 20 MPH

NEW FM 156 PROFILE
LOCAL STREET CONNECTOR - 20 MPH

Texas Department of Transportation

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Dallas District
Mohamed K. Bur, P.E.
Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

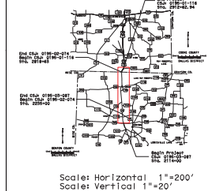
To: 0.7 mi North of FM 3002

CSJ: 0195-03-087
CSJ: 0195-02-074
CSJ: 0195-01-116

Denton and Cooke Counties
Functional Class: Interstate
Project Length: 15.12 Mile

Design Speed:

IH 35 Mainlanes: 70 mph
SL 288 Mainlanes: 70 mph
Ramps: 50 mph
Turnaround Ramps: 20 mph
Local Street Connectors: 20 mph
Frontage Roads: 45 mph
Cross Streets: 40 mph
Direct Connectors: 40-50 mph



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

NOVEMBER 2018

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED BY OR UNDER DIRECT SUPERVISION OF:

BRIAN BENDELL — 6/2020
JASON A. BOOTER — 6/2020

NOVEMBER 2018
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL PLANS SUBJECT TO CHANGE

ROLL 21 OF 23

HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248-1233
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Dallas District Engineer

IH 35

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From: US 380

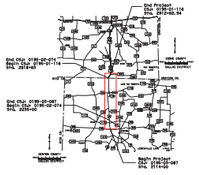
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IH 35

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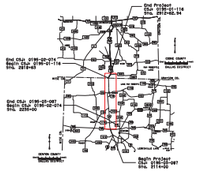
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NOVEMBER 2018

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JASON ALDSTON — P.E. NUMBER

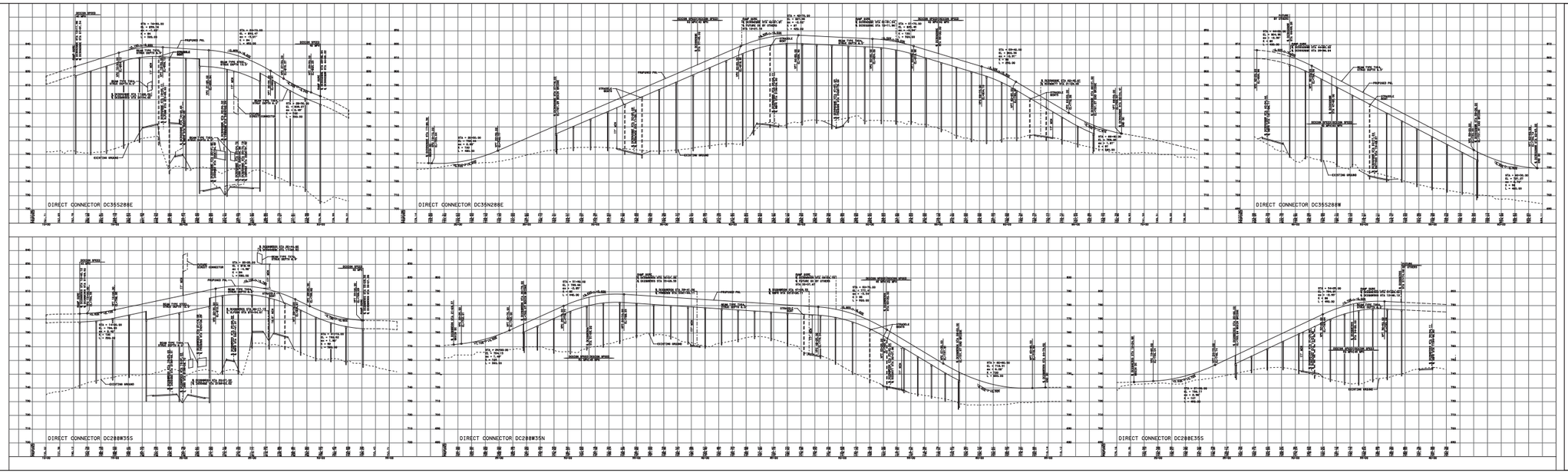
NOVEMBER 2018

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100% FINAL
PRELIMINARY, SUBJECT TO CHANGE

ROLL 23 OF 23

HDR
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Dallas District Engineer

IH 35

DESIGN SCHEMATIC

From: US 380

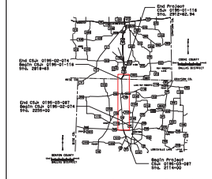
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