Texas Department of Transportation

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

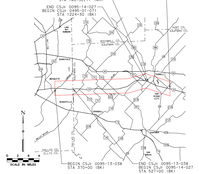
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20,390 Miles
Functional Class

Mainlane • Interstate
Frontage Road • Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	40 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

OCTOBER 2019

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

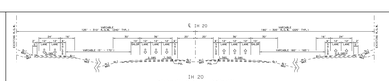
JASON R. ROCHTER — 114018 — P.E. NUMBER
ALEXANDER S. KEMP — 130216 — P.E. NUMBER
10/31/2019 — DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 1 OF 30

100% PS&E SUBJECT TO CHANGE

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

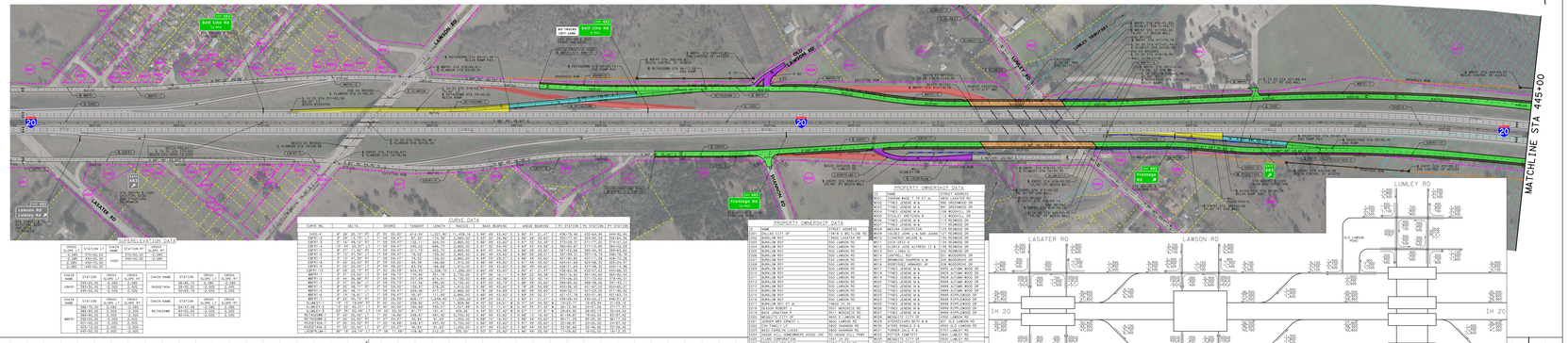


LEGEND

- FLOODPLAIN
- PAVEMENT REMOVAL
- PAVEMENT REMOVAL BY OTHERS
- MAINLANES
- FRONTAGE ROADS
- RAMPS
- BRIDGES
- CROSS STREETS/LOCAL ROADS
- LOCAL STREET CONNECTOR
- TRANSITIONS
- SIDEWALKS
- RAILROADS
- PROPOSED RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY BY OTHERS
- CONTROL OF ACCESS
- PROPOSED DRAINAGE EASEMENT
- EXISTING RIGHT-OF-WAY
- PROPERTY LINES
- RETAINING WALLS

NOTES

1. EXISTING FEATURES WERE NOT FIELD VERIFIED EXCEPT AS NOTED IN THE SCHEMATIC. AERIAL SURVEYS PERFORMED IN AUGUST 2016 AND FEBRUARY 2017.
2. PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY.
3. ORTHOPHOTO INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS AND KAUFMAN COUNTY GIS DATA DATED 2016 AND 2017.
4. ADA RAMPS, SIDEWALKS, AND DRIVEWAYS WILL BE RECONSTRUCTED AS NECESSARY DUE TO CHANGE IN FINAL LOCATIONS TO BE DETERMINED DURING THE FINAL DESIGN PHASE OF THE PROJECT.
5. ACCESS POINTS, LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
6. DIMENSIONS ARE TO EDGE OF PAVEMENT OR BACK OF CURB UNLESS NOTED OTHERWISE.
7. WALL ALIGNMENTS ARE TO FACE OF WALL UNLESS NOTED OTHERWISE.
8. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN THE PROPOSED MAINLANE RECONSTRUCTION WILL BE REMOVED UNLESS NOTED OTHERWISE.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE 'C' UNLESS NOTED OTHERWISE.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS SHOWN ON SCHEMATIC ARE BASED ON FEMA MAPS: 48113C0435K, 48113C0445K, 48257C0035J, 48257C0045J, 48257C0055J, 48257C0060J, AND 48257C0065J.
11. CONVENTIONAL ROADWAY SIGNAL HEADS AND SIGNS ARE NOT SHOWN AND WILL BE DESIGNED AT THE PS&E PHASE OF THE PROJECT.
12. ROADWAY DRAINAGE SYSTEM AND INLETS WILL BE DESIGNED AT THE PS&E PHASE.



CURVE DATA

CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	RADIC BEARING	RADIC BEARING	P.C. POINT/STA	P.T. POINT/STA
C001-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C002-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C003-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C004-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C005-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C006-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C007-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C008-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C009-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C010-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C011-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C012-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C013-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C014-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C015-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C016-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C017-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C018-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C019-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C020-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C021-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C022-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C023-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C024-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C025-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C026-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C027-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C028-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C029-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C030-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C031-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C032-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C033-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C034-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C035-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C036-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C037-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C038-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
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C042-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
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C046-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
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C068-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
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C076-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
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C080-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
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C082-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
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C084-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C085-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C086-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C087-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C088-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
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C092-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C093-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C094-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C095-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C096-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C097-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C098-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C099-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90
C100-0	9° 28' 05.71"	9° 28' 05.71"	104.17'	208.16'	605.00'	S 85° 49' 45.96"	S 85° 49' 45.96"	1+03.74	1+11.90

PROPERTY OWNERSHIP DATA

ID	OWNER	STREET ADDRESS
1000	DUNLAP, CITY OF	1000 LAWSON RD
1001	DUNLAP, CITY OF	1000 LAWSON RD
1002	DUNLAP, CITY OF	1000 LAWSON RD
1003	DUNLAP, CITY OF	1000 LAWSON RD
1004	DUNLAP, CITY OF	1000 LAWSON RD
1005	DUNLAP, CITY OF	1000 LAWSON RD
1006	DUNLAP, CITY OF	1000 LAWSON RD
1007	DUNLAP, CITY OF	1000 LAWSON RD
1008	DUNLAP, CITY OF	1000 LAWSON RD
1009	DUNLAP, CITY OF	1000 LAWSON RD
1010	DUNLAP, CITY OF	1000 LAWSON RD
1011	DUNLAP, CITY OF	1000 LAWSON RD
1012	DUNLAP, CITY OF	1000 LAWSON RD
1013	DUNLAP, CITY OF	1000 LAWSON RD
1014	DUNLAP, CITY OF	1000 LAWSON RD
1015	DUNLAP, CITY OF	1000 LAWSON RD
1016	DUNLAP, CITY OF	1000 LAWSON RD
1017	DUNLAP, CITY OF	1000 LAWSON RD
1018	DUNLAP, CITY OF	1000 LAWSON RD
1019	DUNLAP, CITY OF	1000 LAWSON RD
1020	DUNLAP, CITY OF	1000 LAWSON RD
1021	DUNLAP, CITY OF	1000 LAWSON RD
1022	DUNLAP, CITY OF	1000 LAWSON RD
1023	DUNLAP, CITY OF	1000 LAWSON RD
1024	DUNLAP, CITY OF	1000 LAWSON RD
1025	DUNLAP, CITY OF	1000 LAWSON RD
1026	DUNLAP, CITY OF	1000 LAWSON RD
1027	DUNLAP, CITY OF	1000 LAWSON RD
1028	DUNLAP, CITY OF	1000 LAWSON RD
1029	DUNLAP, CITY OF	1000 LAWSON RD
1030	DUNLAP, CITY OF	1000 LAWSON RD
1031	DUNLAP, CITY OF	1000 LAWSON RD
1032	DUNLAP, CITY OF	1000 LAWSON RD
1033	DUNLAP, CITY OF	1000 LAWSON RD
1034	DUNLAP, CITY OF	1000 LAWSON RD
1035	DUNLAP, CITY OF	1000 LAWSON RD
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1038	DUNLAP, CITY OF	1000 LAWSON RD
1039	DUNLAP, CITY OF	1000 LAWSON RD
1040	DUNLAP, CITY OF	1000 LAWSON RD
1041	DUNLAP, CITY OF	1000 LAWSON RD
1042	DUNLAP, CITY OF	1000 LAWSON RD
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1055	DUNLAP, CITY OF	1000 LAWSON RD
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1099	DUNLAP, CITY OF	1000 LAWSON RD
1100	DUNLAP, CITY OF	1000 LAWSON RD
1101	DUNLAP, CITY OF	1000 LAWSON RD
1102	DUNLAP, CITY OF	1000 LAWSON RD
1103	DUNLAP, CITY OF	1000 LAWSON RD
1104	DUNLAP, CITY OF	1000 LAWSON RD
1105	DUNLAP, CITY OF	1000 LAWSON RD
1106	DUNLAP, CITY OF	1000 LAWSON RD
1107	DUNLAP, CITY OF	1000 LAWSON RD
1108	DUNLAP, CITY OF	1000 LAWSON RD
1109	DUNLAP, CITY OF	1000 LAWSON RD
1110	DUNLAP, CITY OF	1000 LAWSON RD
1111	DUNLAP, CITY OF	1000 LAWSON RD
1112	DUNLAP, CITY OF	1000 LAWSON RD
1113	DUNLAP, CITY OF	1000 LAWSON RD
1114	DUNLAP, CITY OF	1000 LAWSON RD
1115	DUNLAP, CITY OF	1000 LAWSON RD
1116	DUNLAP, CITY OF	1000 LAWSON RD
1117	DUNLAP, CITY OF

Texas Department of Transportation

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

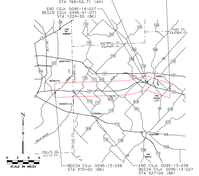
IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20,390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

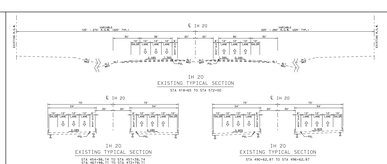
OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC NOT TO BE USED UNDER THE DIRECT SUPERVISION OF:
JASON R. RICHTER 114058
ALEXANDER S. KEMP 135013
10/31/2019
DATE
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 2 OF 30

100% PRELIMINARY SUBJECT TO CHANGE

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

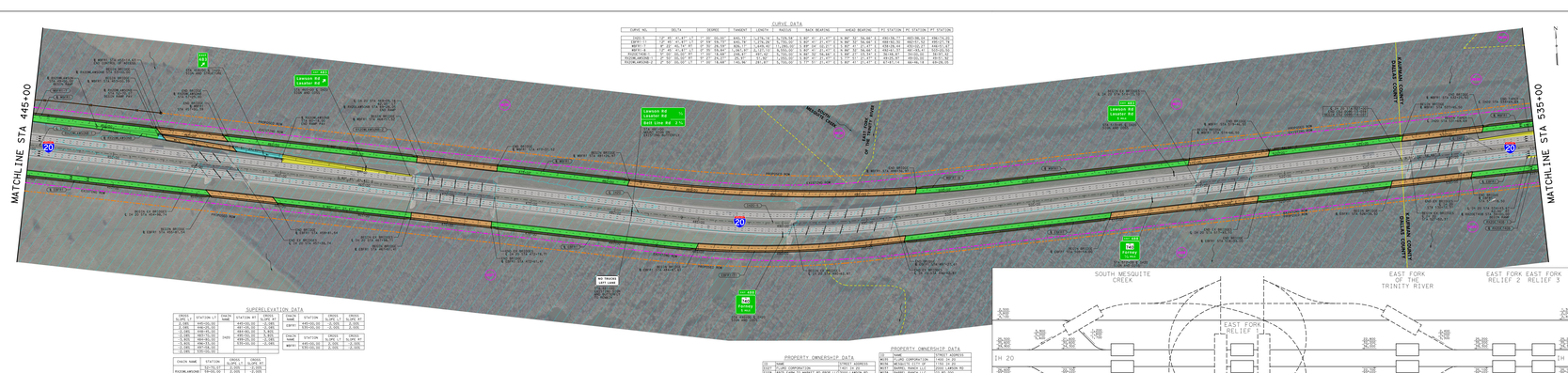


LEGEND

- FLOODPLAIN
- PAVEMENT REMOVAL
- PAVEMENT REMOVAL BY OTHERS
- MAINLANES
- FRONTAGE ROADS
- RAMPS
- BRIDGES
- CROSS STREETS/LOCAL ROADS
- LOCAL STREET CONNECTOR
- TRANSITIONS
- SIDEWALKS
- EXISTING ROW
- PROPOSED RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY BY OTHERS
- EXISTING ACCESS
- PROPOSED DRAINAGE EASEMENT
- PROPOSED ACCESS R/W
- PROPERTY LINES
- RETAINING WALLS

NOTES

1. EXISTING FEATURES WERE NOT FIELD VERIFIED EXCEPT AS NOTED IN THE SURVEY METHOD. AERIAL SURVEY PROVIDED IN AUGUST 2016 BY AERIAL SURVEYS.
2. PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY.
3. ORIENTATION INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS AND KAUFMAN COUNTY GIS DATA AND AERIAL SURVEY.
4. ADA RAMPS, SIDEWALKS, AND DRIVEWAYS WILL BE CONSTRUCTED AT LOCATIONS SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING THE FINAL DESIGN PHASE OF THE PROJECT.
5. ACCESS POINTS, LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
6. DIMENSIONS ARE TO EDGE OF PAVEMENT OR BACK OF CURB UNLESS NOTED OTHERWISE.
7. ALL ANGLES NOTED SYMMETRICAL UNLESS NOTED OTHERWISE.
8. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN THE PROPOSED RIGHT-OF-WAY RECONSTRUCTION WILL BE REMOVED UNLESS NOTED OTHERWISE.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE 57 UNLESS NOTED OTHERWISE.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE SHOWN FOR REFERENCE ONLY AND ARE FROM MAPS: 48113C0435K, 48113C0445K, 48257C0020J, 48257C0040J, 48257C0045J, 48257C0050J, 48257C0185J, AND 48257C0190J.
11. CONVENTIONAL EQUIPMENT STORAGE CONTAINERS ARE NOT SHOWN AND WILL BE LOCATED WITHIN THE PROPOSED RIGHT-OF-WAY.
12. PROPOSED SIGNAGE SHOWN IS FOR REFERENCE ONLY AND WILL BE DEVELOPED AT THE PS&E PHASE.



Texas Department of Transportation

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

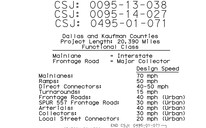
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane • Interstate
Frontage Road • Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	40 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	30 mph (Urban)


STATION EQUATION
STA 1564+52.17 AHD
END FLN: 0495-01-071
STA 1564+52.17 AHD
BEGIN FLN: 0095-13-038
STA 519+00 AHD
BEGIN CSJ: 0095-13-038
STA 519+00 AHD
END CSJ: 0095-13-038
STA 1564+52.17 AHD
BEGIN FLN: 0095-13-038
STA 519+00 AHD
BEGIN CSJ: 0095-13-038
STA 519+00 AHD
END FLN: 0495-01-071
STA 1564+52.17 AHD
IH 20
FM 740
SPUR 557
SPUR 557 FRONTAGE RD
FRONTAGE RD
FRONTAGE RD

Texas Department of Transportation

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

IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20,390 Miles
Functional Class

Mainlane • Interstate
Frontage Road • Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	40 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

OCTOBER 2019

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

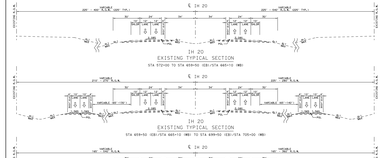
JASON R. RICHTER — 114018 — P.E. NUMBER
ALEXANDER S. KEMP — 133216 — P.E. NUMBER
10/31/2019 — DATE

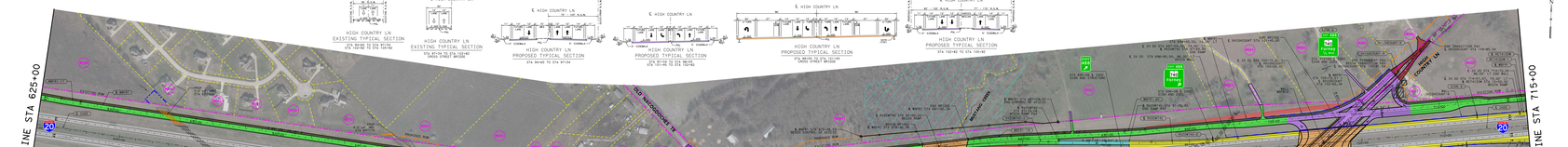
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 4 OF 30

100% PRELIMINARY SUBJECT TO CHANGE

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





NOTES

1. EXISTING FEATURES WERE NOT FIELD VERIFIED. EXISTING INFORMATION BASED ON AERIAL SURVEYS PROVIDED IN AUGUST 2016 AND AUGUST 2019.
2. PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY.
3. ORTHOPHOTO INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS AND KAUFMAN COUNTY GIS DATA DATED 2016 AND 2018.
4. ADA RAMPS, CURBRAMPS, AND DRIVEWAYS SHOWN ON SCHEMATIC ARE SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING THE FINAL DESIGN PHASE OF THE PROJECT.
5. ACCESS POINTS, LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
6. DIMENSIONS ARE TO EDGE OF PAVEMENT OR AS NOTED. ALL CURVES ARE 1' OFFSET FROM THE WALL UNLESS NOTED OTHERWISE.
7. ALL ROTATION AXIS OF ROTATION IS ABOUT THE PGL.
8. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN THE PROPOSED ROW/CONSTRUCTION WILL BE REMOVED UNLESS NOTED OTHERWISE.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE 'C' UNLESS NOTED OTHERWISE.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS SHOWN ON SCHEMATIC ARE BASED ON FEMA MAPS: 48113C0435J, 48113C0445J, 48113C0455J, 48113C0465J, 48257C0310G, 48257C0320G, 48257C0180G, AND 48257C0190G.
11. CONVENTIONAL ROADWAY TRANSITIONS AND STANDS ARE NOT SHOWN AND WILL BE DEVELOPED AT THE FINAL DESIGN PHASE OF THE PROJECT.
12. ALL PROPOSED SIGNAL POLES WILL BE DEVELOPED AT THE FINAL DESIGN PHASE.

CURVE DATA

CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	P.C. STATION	P.T. STATION
EBFR1-1	14° 30' 15.41"	14° 29' 58.46"	96.78	192.37	395.00	S 89° 29' 15.41" E	S 74° 59' 00.00" E	876+06.76	877+99.13
EBFR1-2	17° 45' 00.00"	14° 29' 58.46"	118.50	235.39	395.00	S 89° 29' 15.41" E	S 71° 44' 15.41" E	879+80.63	882+16.02
EBFR1-3	17° 45' 00.00"	14° 29' 58.46"	118.50	235.39	395.00	S 71° 44' 15.41" E	S 53° 59' 15.41" E	881+98.52	884+33.91
EBFR1-4	17° 45' 00.00"	14° 29' 58.46"	118.50	235.39	395.00	S 53° 59' 15.41" E	S 36° 14' 15.41" E	884+16.41	886+51.80
EBFR1-5	17° 45' 00.00"	14° 29' 58.46"	118.50	235.39	395.00	S 36° 14' 15.41" E	S 18° 29' 15.41" E	886+34.30	888+69.69
WBFR1-1	14° 30' 15.41"	14° 29' 58.46"	96.78	192.37	395.00	S 89° 29' 15.41" E	S 74° 59' 00.00" E	876+06.76	877+99.13
WBFR1-2	17° 45' 00.00"	14° 29' 58.46"	118.50	235.39	395.00	S 71° 44' 15.41" E	S 53° 59' 15.41" E	879+80.63	882+16.02
WBFR1-3	17° 45' 00.00"	14° 29' 58.46"	118.50	235.39	395.00	S 53° 59' 15.41" E	S 36° 14' 15.41" E	881+98.52	884+33.91
WBFR1-4	17° 45' 00.00"	14° 29' 58.46"	118.50	235.39	395.00	S 36° 14' 15.41" E	S 18° 29' 15.41" E	884+16.41	886+51.80
WBFR1-5	17° 45' 00.00"	14° 29' 58.46"	118.50	235.39	395.00	S 18° 29' 15.41" E	S 00° 44' 15.41" E	886+34.30	888+69.69
EXCHCONN1-1	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 89° 29' 15.41" E	S 00° 29' 15.41" E	876+06.76	882+34.98
EXCHCONN1-2	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 00° 29' 15.41" E	S 89° 29' 15.41" E	882+34.98	888+63.30
EXCHCONN1-3	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 89° 29' 15.41" E	S 00° 29' 15.41" E	888+63.30	894+91.62
EXCHCONN1-4	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 00° 29' 15.41" E	S 89° 29' 15.41" E	894+91.62	901+19.94
RETAIL01-1	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 89° 29' 15.41" E	S 00° 29' 15.41" E	876+06.76	882+34.98
RETAIL01-2	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 00° 29' 15.41" E	S 89° 29' 15.41" E	882+34.98	888+63.30
RETAIL01-3	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 89° 29' 15.41" E	S 00° 29' 15.41" E	888+63.30	894+91.62
RETAIL01-4	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 00° 29' 15.41" E	S 89° 29' 15.41" E	894+91.62	901+19.94
RGMP1-1	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 89° 29' 15.41" E	S 00° 29' 15.41" E	876+06.76	882+34.98
RGMP1-2	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 00° 29' 15.41" E	S 89° 29' 15.41" E	882+34.98	888+63.30
RGMP1-3	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 89° 29' 15.41" E	S 00° 29' 15.41" E	888+63.30	894+91.62
RGMP1-4	90° 00' 00.00"	14° 29' 58.46"	395.00	628.32	395.00	S 00° 29' 15.41" E	S 89° 29' 15.41" E	894+91.62	901+19.94

SUPERELEVATION DATA

CHAIN NAME	STATION	CROSS SLOPE L	CROSS SLOPE T
EBFR1	877+74.00	-2.00%	-2.00%
	878+00.00	-2.00%	-2.00%
	878+50.00	-2.00%	-2.00%
	879+00.00	-2.00%	-2.00%
	879+50.00	-2.00%	-2.00%
	880+00.00	-2.00%	-2.00%
	880+50.00	-2.00%	-2.00%
	881+00.00	-2.00%	-2.00%
	881+50.00	-2.00%	-2.00%
	882+00.00	-2.00%	-2.00%
	882+50.00	-2.00%	-2.00%
	883+00.00	-2.00%	-2.00%
	883+50.00	-2.00%	-2.00%
	884+00.00	-2.00%	-2.00%
	884+50.00	-2.00%	-2.00%
	885+00.00	-2.00%	-2.00%
	885+50.00	-2.00%	-2.00%
	886+00.00	-2.00%	-2.00%
	886+50.00	-2.00%	-2.00%
	887+00.00	-2.00%	-2.00%
	887+50.00	-2.00%	-2.00%
	888+00.00	-2.00%	-2.00%
	888+50.00	-2.00%	-2.00%
	889+00.00	-2.00%	-2.00%
	889+50.00	-2.00%	-2.00%
	890+00.00	-2.00%	-2.00%
	890+50.00	-2.00%	-2.00%
	891+00.00	-2.00%	-2.00%
	891+50.00	-2.00%	-2.00%
	892+00.00	-2.00%	-2.00%
	892+50.00	-2.00%	-2.00%
	893+00.00	-2.00%	-2.00%
	893+50.00	-2.00%	-2.00%
	894+00.00	-2.00%	-2.00%
	894+50.00	-2.00%	-2.00%
	894+82.50	-2.00%	-2.00%

SUPERELEVATION DATA

CHAIN NAME	STATION	CROSS SLOPE L	CROSS SLOPE T
RETAIL02	877+74.00	-2.00%	-2.00%
	878+00.00	-2.00%	-2.00%
	878+50.00	-2.00%	-2.00%
	879+00.00	-2.00%	-2.00%
	879+50.00	-2.00%	-2.00%
	880+00.00	-2.00%	-2.00%
	880+50.00	-2.00%	-2.00%
	881+00.00	-2.00%	-2.00%
	881+50.00	-2.00%	-2.00%
	882+00.00	-2.00%	-2.00%
	882+50.00	-2.00%	-2.00%
	883+00.00	-2.00%	-2.00%
	883+50.00	-2.00%	-2.00%
	884+00.00	-2.00%	-2.00%
	884+50.00	-2.00%	-2.00%
	885+00.00	-2.00%	-2.00%
	885+50.00	-2.00%	-2.00%
	886+00.00	-2.00%	-2.00%
	886+50.00	-2.00%	-2.00%
	887+00.00	-2.00%	-2.00%
	887+50.00	-2.00%	-2.00%
	888+00.00	-2.00%	-2.00%
	888+50.00	-2.00%	-2.00%
	889+00.00	-2.00%	-2.00%
	889+50.00	-2.00%	-2.00%
	890+00.00	-2.00%	-2.00%
	890+50.00	-2.00%	-2.00%
	891+00.00	-2.00%	-2.00%
	891+50.00	-2.00%	-2.00%
	892+00.00	-2.00%	-2.00%
	892+50.00	-2.00%	-2.00%
	893+00.00	-2.00%	-2.00%
	893+50.00	-2.00%	-2.00%
	894+00.00	-2.00%	-2.00%
	894+50.00	-2.00%	-2.00%
	894+82.50	-2.00%	-2.00%

SUPERELEVATION DATA

CHAIN NAME	STATION	CROSS SLOPE L	CROSS SLOPE T
EBFR1	877+74.00	-2.00%	-2.00%
	878+00.00	-2.00%	-2.00%
	878+50.00	-2.00%	-2.00%
	879+00.00	-2.00%	-2.00%
	879+50.00	-2.00%	-2.00%
	880+00.00	-2.00%	-2.00%
	880+50.00	-2.00%	-2.00%
	881+00.00	-2.00%	-2.00%
	881+50.00	-2.00%	-2.00%
	882+00.00	-2.00%	-2.00%
	882+50.00	-2.00%	-2.00%
	883+00.00	-2.00%	-2.00%
	883+50.00	-2.00%	-2.00%
	884+00.00	-2.00%	-2.00%
	884+50.00	-2.00%	-2.00%
	885+00.00	-2.00%	-2.00%
	885+50.00	-2.00%	-2.00%
	886+00.00	-2.00%	-2.00%
	886+50.00	-2.00%	-2.00%
	887+00.00	-2.00%	-2.00%
	887+50.00	-2.00%	-2.00%
	888+00.00	-2.00%	-2.00%
	888+50.00	-2.00%	-2.00%
	889+00.00	-2.00%	-2.00%
	889+50.00	-2.00%	-2.00%
	890+00.00	-2.00%	-2.00%
	890+50.00	-2.00%	-2.00%
	891+00.00	-2.00%	-2.00%
	891+50.00	-2.00%	-2.00%
	892+00.00	-2.00%	-2.00%
	892+50.00	-2.00%	-2.00%
	893+00.00	-2.00%	-2.00%
	893+50.00	-2.00%	-2.00%
	894+00.00	-2.00%	-2.00%
	894+50.00	-2.00%	-2.00%
	894+82.50	-2.00%	-2.00%

SUPERELEVATION DATA

CHAIN NAME	STATION	CROSS SLOPE L	CROSS SLOPE T
EXCHCONN1	877+74.00	-2.00%	-2.00%
	878+00.00	-2.00%	-2.00%
	878+50.00	-2.00%	-2.00%
	879+00.00	-2.00%	-2.00%
	879+50.00	-2.00%	-2.00%
	880+00.00	-2.00%	-2.00%
	880+50.00	-2.00%	-2.00%
	881+00.00	-2.00%	-2.00%
	881+50.00	-2.00%	-2.00%
	882+00.00	-2.00%	-2.00%
	882+50.00	-2.00%	-2.00%
	883+00.00	-2.00%	-2.00%
	883+50.00	-2.00%	-2.00%
	884+00.00	-2.00%	-2.00%
	884+50.00	-2.00%	-2.00%
	885+00.00	-2.00%	-2.00%
	885+50.00	-2.00%	-2.00%
	886+00.00	-2.00%	-2.00%
	886+50.00	-2.00%	-2.00%
	887+00.00	-2.00%	-2.00%
	887+50.00	-2.00%	-2.00%
	888+00.00	-2.00%	-2.00%
	888+50.00	-2.00%	-2.00%
	889+00.00	-2.00%	-2.00%
	889+50.00	-2.00%	-2.00%
	890+00.00	-2.00%	-2.00%
	890+50.00	-2.00%	-2.00%
	891+00.00	-2.00%	-2.00%
	891+50.00	-2.00%	-2.00%
	892+00.00	-2.00%	-2.00%
	892+50.00	-2.00%	-2.00%
	893+00.00	-2.00%	-2.00%
	893+50.00	-2.00%	-2.00%
	894+00.00	-2.00%	-2.00%
	894+50.00	-2.00%	-2.00%
	894+82.50	-2.00%	-2.00%

TYPICAL RAMP EXIT TO FRONTAGE RD TAPER
NTS

TYPICAL INTERSECTION APPROACH
NTS

PROPERTY OWNERSHIP DATA

ID	NAME	STREET ADDRESS
1227	SPRAGUE-FURMAN DEVELOPMENT LTD	
1228	MESQUITE LIMITED PARTNERSHIP	
1229	MATTHEW GRIFFIN	
1230	SPRAGUE-FURMAN DEVELOPMENT LTD	
1231	MESQUITE LIMITED PARTNERSHIP	
1232	MATTHEW ROBERT JR & ALI PAMELA SUE	
1233	ORLY TOMAS D & PAMELA S	
1234	MESQUITE LIMITED PARTNERSHIP	
1235	MESQUITE LIMITED PARTNERSHIP	
1240	WALLACE LISA ADELE	
1241	MESQUITE LIMITED PARTNERSHIP	
1242	MESQUITE LIMITED PARTNERSHIP	

Texas Department of Transportation

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20,390 Miles
Functional Class

Mainlane • Interstate
Frontage Road • Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	30 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	40 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	30 mph (Urban)



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

OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS
RELEASED FOR REVIEW UNDER THE AUTHORITY OF:

JASON R. BUCHTA — 114058 — DATE — P.E. NUMBER

ALEXANDER S. KEMP — 135016 — DATE — P.E. NUMBER

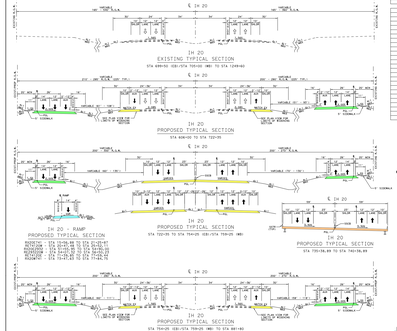
10/31/2019
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PS&E INTEGRITY SUBJECT TO CHANGE

ROLL 5 OF 30

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

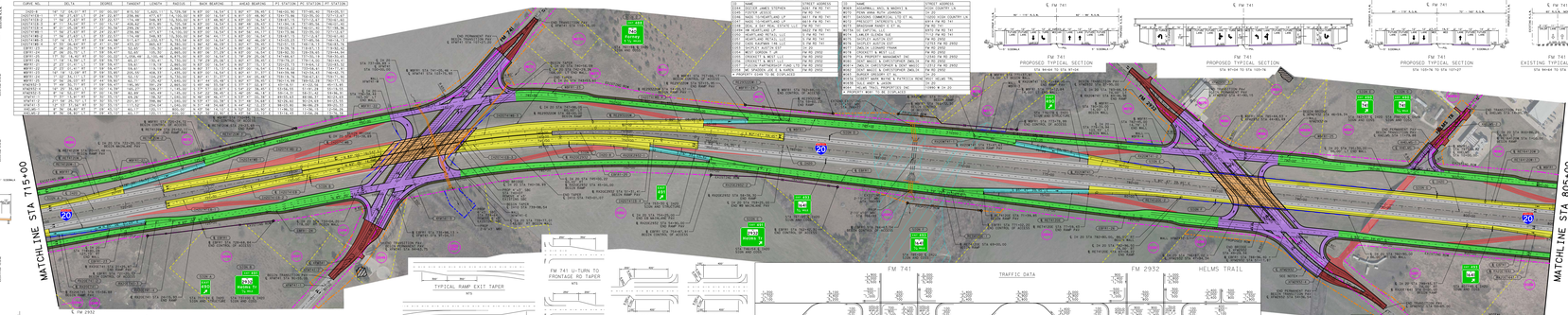


LEGEND

- FLOOD PLAIN
- PAVEMENT REMOVAL
- PAVEMENT REMOVAL BY OTHERS
- MAINLANES
- FRONTAGE ROADS
- RAMPS
- BRIDGES
- CROSS STREETS/LOCAL ROADS
- LOCAL STREET CONNECTOR
- TRANSITIONS
- SIDEWALKS
- MEDIAN
- PROPOSED RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY BY OTHERS
- CONTROL OF ACCESS
- PROPOSED DRAINAGE EASEMENT
- EXISTING RIGHT-OF-WAY
- PROPERTY LINES
- RETAINING WALLS

NOTES

1. EXISTING FEATURES WERE NOT FIELD VERIFIED. BASED ON AERIAL PHOTOGRAPHY, AERIAL SURVEY PHOTOGRAPHY IN AUGUST 2016 AND FIELD REVIEW.
2. PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY.
3. ORTHOPHOTO INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS AND KAUFMAN COUNTY GIS DATA DATED 2016.
4. ROW MARKS, EASEMENTS, AND DEDICATIONS SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING THE FINAL DESIGN PHASE OF THE PROJECT.
5. ACCESS DENIAL LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
6. DIMENSIONS AND TIES ARE APPROXIMATE UNLESS NOTED OTHERWISE. ALL CURVES ARE CIRCULAR UNLESS NOTED OTHERWISE.
7. ALL ROTATION AXIS OF ROTATION IS ABOUT THE PGL.
8. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN THE PROPOSED RECONSTRUCTION WILL BE REMOVED UNLESS NOTED OTHERWISE.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE 57 UNLESS NOTED OTHERWISE.
10. 1% APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED ON FEMA FLOOD INSURANCE MAPS: 48397C0315J(EFF. 08/17/2018), 48397C0320J(EFF. 08/17/2018), 48257C0310G(EFF. 06/19/2012), 48257C0320G, 48257C0315G, AND 48257C0305G.
11. CONVENTIONAL CHANNEL PROTECTION STONES ARE NOT SHOWN AND WILL BE PROVIDED AS NEEDED BY THE CONTRACTOR DURING CONSTRUCTION.
12. PROJECT PROPOSED SUBGRADE WILL BE DEVELOPED AT THE POST PHASE.



CURVE DATA

CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	P.I. STATION	P.C. STATION	P.T. STATION
C1	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	764+15.92	759+86.13	768+45.92
C2	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	772+75.71	768+45.92	777+05.71
C3	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	781+35.50	777+05.71	785+65.50
C4	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	789+95.29	785+65.50	794+25.29
C5	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	798+55.08	794+25.29	802+85.08
C6	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	807+14.87	802+85.08	811+44.87
C7	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	815+74.66	811+44.87	820+04.66
C8	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	824+34.45	820+04.66	828+64.45
C9	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	832+94.24	828+64.45	837+24.24
C10	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	841+54.03	837+24.24	845+84.03
C11	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	850+13.82	845+84.03	854+43.82
C12	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	858+73.61	854+43.82	863+03.61
C13	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	867+33.40	863+03.61	871+63.40
C14	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	875+93.19	871+63.40	880+23.19
C15	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	884+52.98	880+23.19	888+82.98
C16	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	893+12.77	888+82.98	897+42.77
C17	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	901+72.56	897+42.77	906+02.56
C18	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	910+32.35	906+02.56	914+62.35
C19	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	918+92.14	914+62.35	923+22.14
C20	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	927+51.93	923+22.14	931+81.93
C21	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	936+11.72	931+81.93	940+41.72
C22	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	944+71.51	940+41.72	949+01.51
C23	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	953+31.30	949+01.51	957+61.30
C24	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	961+91.09	957+61.30	966+21.09
C25	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	970+50.88	966+21.09	974+80.88
C26	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	979+10.67	974+80.88	983+40.67
C27	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	987+70.46	983+40.67	992+00.46
C28	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	996+30.25	992+00.46	1000+60.25
C29	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1004+90.04	1000+60.25	1009+20.04
C30	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1013+49.83	1009+20.04	1017+79.83
C31	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1022+09.62	1017+79.83	1026+39.62
C32	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1030+69.41	1026+39.62	1034+99.41
C33	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1039+29.20	1034+99.41	1043+59.20
C34	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1047+88.99	1043+59.20	1052+18.99
C35	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1056+48.78	1052+18.99	1060+78.78
C36	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1065+08.57	1060+78.78	1069+38.57
C37	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1073+68.36	1069+38.57	1077+98.36
C38	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1082+28.15	1077+98.36	1086+58.15
C39	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1090+87.94	1086+58.15	1095+17.94
C40	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1099+47.73	1095+17.94	1103+77.73
C41	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1108+07.52	1103+77.73	1112+37.52
C42	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1116+67.31	1112+37.52	1120+97.31
C43	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1125+27.10	1120+97.31	1129+57.10
C44	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1133+86.89	1129+57.10	1138+16.89
C45	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1142+46.68	1138+16.89	1146+76.68
C46	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1151+06.47	1146+76.68	1155+36.47
C47	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1159+66.26	1155+36.47	1163+96.26
C48	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1168+26.05	1163+96.26	1172+56.05
C49	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1176+85.84	1172+56.05	1181+15.84
C50	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1185+45.63	1181+15.84	1189+75.63
C51	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1194+05.42	1189+75.63	1198+35.42
C52	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1202+65.21	1198+35.42	1206+95.21
C53	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1211+25.00	1206+95.21	1215+55.00
C54	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1219+84.79	1215+55.00	1224+14.79
C55	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1228+44.58	1224+14.79	1232+74.58
C56	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1237+04.37	1232+74.58	1241+34.37
C57	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1245+64.16	1241+34.37	1249+94.16
C58	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1254+23.95	1249+94.16	1258+53.95
C59	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1262+83.74	1258+53.95	1267+13.74
C60	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1271+43.53	1267+13.74	1275+73.53
C61	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1280+03.32	1275+73.53	1284+33.32
C62	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1288+63.11	1284+33.32	1292+93.11
C63	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1297+22.90	1292+93.11	1301+52.90
C64	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1305+82.69	1301+52.90	1310+12.69
C65	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1314+42.48	1310+12.69	1318+72.48
C66	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1323+02.27	1318+72.48	1327+32.27
C67	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1331+62.06	1327+32.27	1335+92.06
C68	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1340+21.85	1335+92.06	1344+51.85
C69	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1348+81.64	1344+51.85	1353+11.64
C70	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1357+41.43	1353+11.64	1361+71.43
C71	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1366+01.22	1361+71.43	1370+31.22
C72	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1374+61.01	1370+31.22	1378+91.01
C73	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1383+20.80	1378+91.01	1387+50.80
C74	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1391+80.59	1387+50.80	1396+10.59
C75	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1400+40.38	1396+10.59	1404+70.38
C76	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1409+00.17	1404+70.38	1413+30.17
C77	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1417+59.96	1413+30.17	1421+89.96
C78	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1426+19.75	1421+89.96	1430+49.75
C79	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1434+79.54	1430+49.75	1439+09.54
C80	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1443+39.33	1439+09.54	1447+69.33
C81	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1451+99.12	1447+69.33	1456+29.12
C82	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1460+58.91	1456+29.12	1464+88.91
C83	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1469+18.70	1464+88.91	1473+48.70
C84	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1477+78.49	1473+48.70	1482+08.49
C85	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1486+38.28	1482+08.49	1490+68.28
C86	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1494+98.07	1490+68.28	1499+28.07
C87	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1503+57.86	1499+28.07	1507+87.86
C88	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1512+17.65	1507+87.86	1516+47.65
C89	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1520+77.44	1516+47.65	1525+07.44
C90	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1529+37.23	1525+07.44	1533+67.23
C91	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1537+97.02	1533+67.23	1542+27.02
C92	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1546+56.81	1542+27.02	1550+86.81
C93	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 25' 06.74" E	N 89° 59' 31.74" E	1555+16.60	1550+86.81	1559+46.60
C94	0° 34' 25.00"	0° 34' 25.00"	429.92'	859.79'	9,980.00'	N 89° 59' 31.74" E	N 89° 25' 06.74" E	1563+76.39	1559+46.60	1568+06.39

PROPERTY OWNERSHIP DATA

ID	NAME	DEED
1	DUDLEY JAMES STEPHEN	20071 PG 190 TRT
2	DUDLEY JAMES STEPHEN	20071 PG 190 TRT
3	LAKE TRAIL TECHNOLOGIES LP	2006 PG 2 TRT
4	LAKE TRAIL TECHNOLOGIES LP	2006 PG 2 TRT
5	LAKE TRAIL TECHNOLOGIES LP	2006 PG 2 TRT
6	CHEVRON U S A INC	2006 PG 2 TRT
7	CHEVRON U S A INC	2006 PG 2 TRT
8	CHEVRON U S A INC	2006 PG 2 TRT
9	CHEVRON U S A INC	2006 PG 2 TRT
10	CHEVRON U S A INC	2006 PG 2 TRT
11	CHEVRON U S A INC	2006 PG 2 TRT
12	CHEVRON U S A INC	2006 PG 2 TRT
13	CHEVRON U S A INC	2006 PG 2 TRT
14	CHEVRON U S A INC	2006 PG 2 TRT
15	CHEVRON U S A INC	2006 PG 2 TRT
16	CHEVRON U S A INC	2006 PG 2 TRT
17	CHEVRON U S A INC	2006 PG 2 TRT
18	CHEVRON U S A INC	2006 PG 2 TRT
19	CHEVRON U S A INC	2006 PG 2 TRT
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78	CHEVRON U S A INC	2006 PG 2 TRT
79	CHEVRON U S A INC

Texas Department of Transportation

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

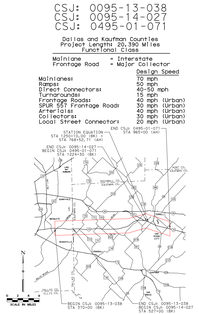
IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainline - Interstate
Frontage Road - Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	30 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:
JASON R. RICHTER — 114208 — P.E. NUMBER
ALEXANDER S. KEMP — 139213 — P.E. NUMBER
10/31/2019 — DATE
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

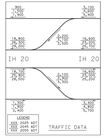
ROLL 6 OF 30

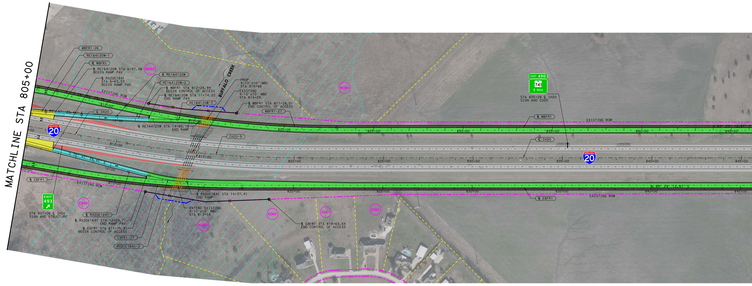
100% PRELIMINARY SUBJECT TO CHANGE

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








MATCHLINE STA 805+00
MATCHLINE STA 865+00
N
EXISTING ROW
PROPOSED ROW
EXISTING ROW
PROPOSED ROW
EXISTING ROW
PROPOSED ROW

Texas Department of Transportation

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

IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20,390 Miles
Functional Class

Mainlane • Interstate
Frontage Road • Major Collector

Mainlanes	Design Speed
TO main	70 mph
Ramps	50 mph
Direct Connectors	45 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
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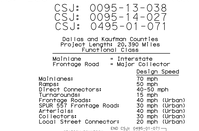
Local Street Connectors	20 mph (Urban)



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

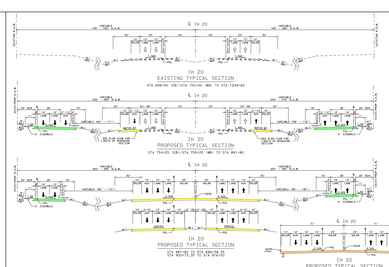
OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED UNDER
THE DIRECT SUPERVISION OF:
JASON R. RICHTER | 114058
REGISTERED ENGINEER
ALEXANDER S. KEMP | 135016
REGISTERED ENGINEER
10/31/2019
DATE
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 7 OF 30

100% PRELIMINARY SUBJECT TO CHANGE

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

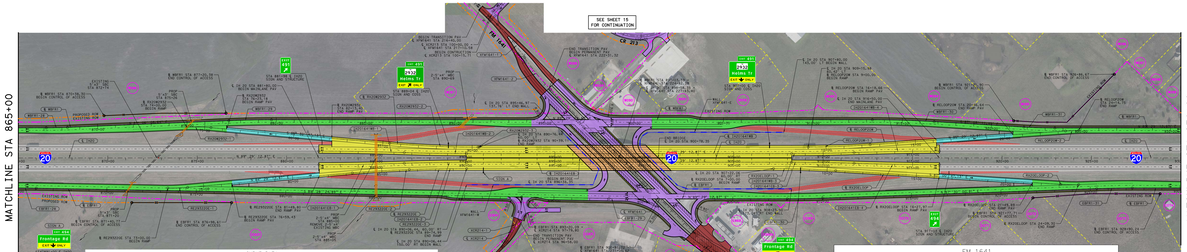


LEGEND

- FLOODPLAIN
- PAVEMENT REMOVAL
- PAVEMENT REMOVAL BY OTHERS
- WATERLINES
- FRONTAGE ROADS
- RAMPS
- BRIDGES
- CROSS STREETS/LOCAL ROADS
- LOCAL STREET CONNECTOR
- TRANSITIONS
- SIDEWALKS
- MEDIAN
- PROPOSED RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY BY OTHERS
- CONTROL OF ACCESS
- PROPOSED DRAINAGE EASEMENT
- EXISTING RIGHT-OF-WAY
- PROPERTY LINES
- RETAINING WALLS

NOTES

1. EXISTING FEATURES WERE NOT FIELD VERIFIED. BASED ON AERIAL TOPOGRAPHY, AERIAL SURVEY PHOTOS IN AUGUST 2016 AND FIELD SURVEY.
2. PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY.
3. ORTHOPHOTO INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS AND KAUFMAN COUNTY GIS DATA FROM 2016.
4. ADA RAMPS, SIDEWALKS, AND DRIVEWAYS WILL BE CONSTRUCTED OR RECONSTRUCTED AS NECESSARY TO CHANGE LOCATIONS TO BE CONSISTENT WITH THE FINAL DESIGN PHASE OF THE PROJECT.
5. ACCESS POINTS, LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
6. DIMENSIONS ARE TO EDGE OF PAVEMENT OR BACK OF CURB UNLESS NOTED OTHERWISE.
7. WALL ELEVATIONS NOTED ON SCHEMATIC ARE TOP OF WALL. ELEVATION AXIS OF ROTATION IS ABOUT THE TOP.
8. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN THE PROPOSED RECONSTRUCTION WILL BE REMOVED UNLESS NOTED OTHERWISE.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE C1 UNLESS NOTED OTHERWISE.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED ON FEMA FLOOD INSURANCE RATE MAPS 48113C0435J, 48113C0430J, 48257C0435J, 48257C0430J, 48257C0410J, 48257C0405J, 48257C0185J, AND 48257C0180J.
11. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DESIGNED AT THE PS&E PHASE.
12. PROJECT SPECIFIC LOCATIONS (PSL) WILL BE DEVELOPED AT THE PS&E PHASE.


SEE SHEET 15 FOR CONTINUATION
MATCHLINE STA 865+00
MATCHLINE STA 930+00
IH 20
CR 203
CR 204
FM 1641
PROPOSED RAMP
PROPOSED ROW
EXISTING ROW
PROPOSED EASEMENT
EXISTING EASEMENT
PROPOSED CONTROL OF ACCESS
EXISTING CONTROL OF ACCESS
PROPOSED RETAINING WALL
EXISTING RETAINING WALL
PROPOSED SOUND WALL
EXISTING SOUND WALL
PROPOSED BRIDGE
EXISTING BRIDGE
PROPOSED CULVERT
EXISTING CULVERT
PROPOSED STORM SEWER
EXISTING STORM SEWER
PROPOSED WATER LINE
EXISTING WATER LINE
PROPOSED SANITARY SEWER
EXISTING SANITARY SEWER
PROPOSED GAS LINE
EXISTING GAS LINE
PROPOSED OVERHEAD UTILITY
EXISTING OVERHEAD UTILITY
PROPOSED UNDERGROUND UTILITY
EXISTING UNDERGROUND UTILITY
PROPOSED FIBER OPTIC
EXISTING FIBER OPTIC
PROPOSED TRAFFIC SIGNAL
EXISTING TRAFFIC SIGNAL
PROPOSED LIGHTING
EXISTING LIGHTING
PROPOSED RAILROAD
EXISTING RAILROAD
PROPOSED TOLL GANTRY
EXISTING TOLL GANTRY
PROPOSED TOLL BOOTH
EXISTING TOLL BOOTH
PROPOSED TOLL EQUIPMENT
EXISTING TOLL EQUIPMENT
PROPOSED TOLL SIGN
EXISTING TOLL SIGN
PROPOSED TOLL SIGN BY OTHERS
EXISTING TOLL SIGN BY OTHERS

Texas Department of Transportation

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

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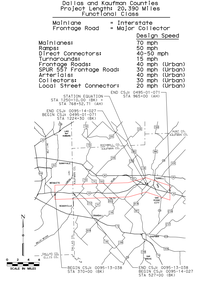
Frontage Road • Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

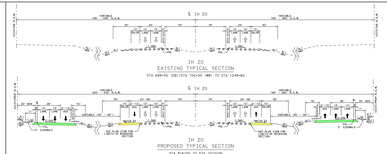
OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:
JASON R. ROCHTER 114058
REGISTERED PROFESSIONAL ENGINEER
ALEXANDER S. KEMP 135016
REGISTERED PROFESSIONAL ENGINEER
10/31/2019
DATE
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 8 OF 30

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



LEGEND
- FLOODPLAIN
- PAVEMENT REMOVAL
- PAVEMENT REMOVAL BY OTHERS
- WATERLINES
- FRONTAGE ROADS
- RAMPS
- BRIDGES
- CROSS STREETS/LOCAL ROADS
- LOCAL STREET CONNECTOR
- TRANSITIONS
- SIDEWALKS
- RAILROADS
- PROPOSED RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY BY OTHERS
- CONTROL OF ACCESS
- PROPOSED DRAINAGE EASEMENT
- EXISTING RIGHT-OF-WAY
- PROPERTY LINES
- RETAINING WALLS

NOTES
1. EXISTING FEATURES WERE NOT FIELD VERIFIED. SOURCE OF EXISTING INFORMATION: AERIAL SURVEY PHOTOGRAPHY IN AUGUST 2016 AND AS-BUILTS.
2. PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY.
3. ORTHOPHOTO INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS AND KAUFMAN COUNTY GIS DATA DATED 2016 AND 2017.
4. ADA RAMPS, SIDEWALKS, AND DRIVEWAYS WILL BE CONSTRUCTED AS REQUIRED BY CURRENT TXDOT STANDARDS AT THE TIME OF CONSTRUCTION. FINAL LOCATIONS TO BE DETERMINED DURING THE FINAL DESIGN PHASE OF THE PROJECT.
5. ACCESS POINTS, LENGTH ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
6. DIMENSIONS ARE TO EDGE OF PAVEMENT OR AS NOTED. ALL CURB RADII ARE 30' UNLESS NOTED OTHERWISE.
7. ALL ELEVATION AXIS OF ROTATION IS ABOUT THE PGL.
8. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN THE PROPOSED RIGHT-OF-WAY/EASEMENTS/ESMTS WILL BE REMOVED UNLESS NOTED OTHERWISE.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE C1 UNLESS NOTED OTHERWISE.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS TO BE REVISED BY FEMA LOMR CASE NUMBERS 16-06-0977P, 18-06-0104A, 18-06-0105A, 18-06-0106A, 18-06-0107A, 18-06-0108A, 18-06-0109A, 18-06-0110A, 18-06-0111A, 18-06-0112A, 18-06-0113A, 18-06-0114A, 18-06-0115A, 18-06-0116A, 18-06-0117A, 18-06-0118A, 18-06-0119A, 18-06-0120A, 18-06-0121A, 18-06-0122A, 18-06-0123A, 18-06-0124A, 18-06-0125A, 18-06-0126A, 18-06-0127A, 18-06-0128A, 18-06-0129A, 18-06-0130A, 18-06-0131A, 18-06-0132A, 18-06-0133A, 18-06-0134A, 18-06-0135A, 18-06-0136A, 18-06-0137A, 18-06-0138A, 18-06-0139A, 18-06-0140A, 18-06-0141A, 18-06-0142A, 18-06-0143A,

Texas Department of Transportation

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

IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane • Interstate
Frontage Road • Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	55 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	30 mph (Urban)



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

OCTOBER 2019

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

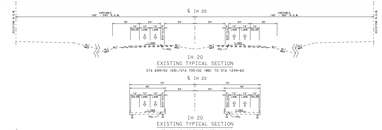
JASON R. ROCHTER 114058
7/30/2019
ALEXANDER S. KEMP 130216
7/30/2019

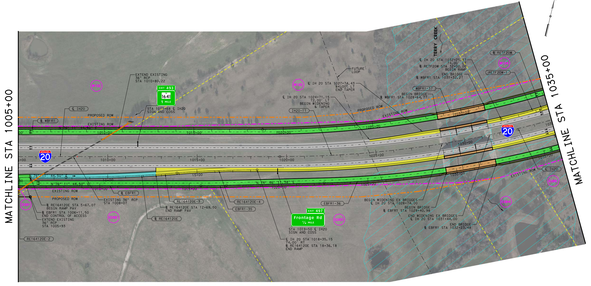
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 9 OF 30

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




MATCHLINE STA 1005+00
MATCHLINE STA 1035+00
IH 20
EXISTING RIGHT OF WAY
PROPOSED ROW
EXISTING ROW
PROPOSED RIGHT OF WAY
EXISTING RIGHT OF WAY
PROPOSED ROW
EXISTING ROW
EXISTING RIGHT OF WAY
PROPOSED RIGHT OF WAY
EXISTING ROW
PROPOSED

Texas Department of Transportation

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

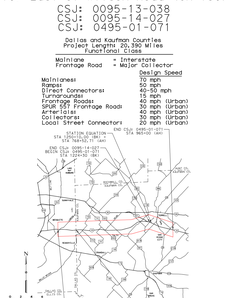
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20,390 Miles
Functional Class

Mainlane • Interstate
Frontage Road • Major Collector

Mainlanes	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Cross Streets	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

OCTOBER 2019

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

JASON R. BOOKER — 114008 — DATE — P.E. NUMBER

ALEXANDER S. KEMP — 135016 — DATE — P.E. NUMBER

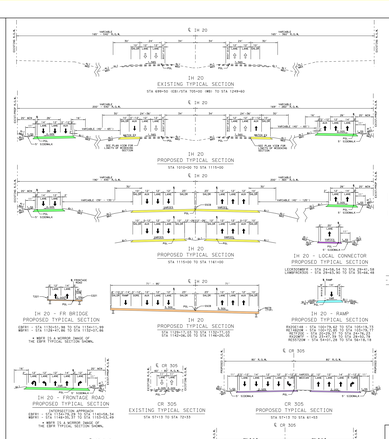
10/31/2019

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% FINAL SUBJECT TO CHANGE

ROLL 10 OF 30

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



LEGEND

- FLOODPLAIN
- PAVEMENT REMOVAL
- PAVEMENT REMOVAL BY OTHERS
- WATERLINES
- FRONTAGE ROADS
- RAMPS
- BRIDGES
- CROSS STREETS/LOCAL ROADS
- LOCAL STREET CONNECTOR
- TRANSITIONS
- SIDEWALKS
- MAINLANES
- PROPOSED RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY BY OTHERS
- CONTROL OF ACCESS
- PROPOSED DRAINAGE EASEMENT
- EXISTING RIGHT-OF-WAY
- PROPERTY LINES
- RETAINING WALLS

NOTES

1. EXISTING FEATURES WERE NOT FIELD VERIFIED EXCEPT AS NOTED IN THE SECTION. AERIAL SURVEY PHOTOGRAPHED IN AUGUST 2016.
2. PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY.
3. ORTHOPHOTO INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS AND KAUFMAN COUNTY GIS DATA DATED 2016 AND 2017.
4. ADA RAMPS, CROSSWALKS, AND DETECTABLE WARNING DEVICES ARE SHOWN DIAGRAMMATICALLY TO CHANGE, IF/WHEN LOCATIONS TO BE DETERMINED DURING THE FINAL DESIGN PHASE OF THIS PROJECT.
5. ACCESS POINTS, LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
6. DIMENSIONS ARE TO EDGE OF PAVEMENT OR BACK OF CURB UNLESS NOTED OTHERWISE.
7. ALL ROTATIONS ARE ABOUT THE PGL, UNLESS NOTED OTHERWISE.
8. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN THE PROPOSED IH 20 RECONSTRUCTION WILL BE REMOVED UNLESS NOTED OTHERWISE.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE 'C' UNLESS NOTED OTHERWISE.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS SHOWN ON SCHEMATIC ARE BASED ON FEMA MAPS 48113C0465J, 48113C0470J, 48113C0485J, 48113C0490J, 48257C0105J, 48257C0110J, 48257C0115J, AND 48257C0120J.
11. CONVENTIONAL ROADWAY SIGNS (SMALL) SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED AT THE PS&E PHASE.
12. PROJECT SIGNING AND PAVEMENT MARKING WILL BE DEVELOPED AT THE PS&E PHASE.

CURVE DATA

CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PT STATION	PC STATION	PT STATION
C001	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 56° 24' 51" E	S 57° 24' 51" E	1+04.72	0+00.00	2+09.44
C002	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 57° 24' 51" E	S 58° 24' 51" E	2+09.44	2+04.72	4+14.16
C003	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 58° 24' 51" E	S 59° 24' 51" E	4+14.16	4+09.44	6+18.88
C004	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 59° 24' 51" E	S 60° 24' 51" E	6+18.88	6+14.16	8+23.60
C005	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 60° 24' 51" E	S 61° 24' 51" E	8+23.60	8+18.88	10+28.32
C006	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 61° 24' 51" E	S 62° 24' 51" E	10+28.32	10+23.60	12+33.04
C007	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 62° 24' 51" E	S 63° 24' 51" E	12+33.04	12+28.32	14+37.76
C008	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 63° 24' 51" E	S 64° 24' 51" E	14+37.76	14+33.04	16+42.48
C009	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 64° 24' 51" E	S 65° 24' 51" E	16+42.48	16+37.76	18+47.20
C010	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 65° 24' 51" E	S 66° 24' 51" E	18+47.20	18+42.48	20+51.92
C011	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 66° 24' 51" E	S 67° 24' 51" E	20+51.92	20+47.20	22+56.64
C012	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 67° 24' 51" E	S 68° 24' 51" E	22+56.64	22+51.92	25+01.36
C013	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 68° 24' 51" E	S 69° 24' 51" E	25+01.36	24+96.64	27+06.08
C014	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 69° 24' 51" E	S 70° 24' 51" E	27+06.08	27+01.36	29+10.80
C015	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 70° 24' 51" E	S 71° 24' 51" E	29+10.80	29+06.08	31+15.52
C016	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 71° 24' 51" E	S 72° 24' 51" E	31+15.52	31+10.80	33+20.24
C017	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 72° 24' 51" E	S 73° 24' 51" E	33+20.24	33+15.52	35+24.96
C018	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 73° 24' 51" E	S 74° 24' 51" E	35+24.96	35+20.24	37+29.68
C019	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 74° 24' 51" E	S 75° 24' 51" E	37+29.68	37+24.96	39+34.40
C020	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 75° 24' 51" E	S 76° 24' 51" E	39+34.40	39+29.68	41+39.12
C021	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 76° 24' 51" E	S 77° 24' 51" E	41+39.12	41+34.40	43+43.84
C022	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 77° 24' 51" E	S 78° 24' 51" E	43+43.84	43+39.12	45+48.56
C023	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 78° 24' 51" E	S 79° 24' 51" E	45+48.56	45+43.84	47+53.28
C024	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 79° 24' 51" E	S 80° 24' 51" E	47+53.28	47+48.56	49+58.00
C025	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 80° 24' 51" E	S 81° 24' 51" E	49+58.00	49+53.28	52+02.72
C026	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 81° 24' 51" E	S 82° 24' 51" E	52+02.72	51+98.00	54+07.44
C027	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 82° 24' 51" E	S 83° 24' 51" E	54+07.44	54+02.72	56+12.16
C028	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 83° 24' 51" E	S 84° 24' 51" E	56+12.16	56+07.44	58+16.88
C029	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 84° 24' 51" E	S 85° 24' 51" E	58+16.88	58+12.16	60+21.60
C030	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 85° 24' 51" E	S 86° 24' 51" E	60+21.60	60+16.88	62+26.32
C031	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 86° 24' 51" E	S 87° 24' 51" E	62+26.32	62+21.60	64+31.04
C032	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 87° 24' 51" E	S 88° 24' 51" E	64+31.04	64+26.32	66+35.76
C033	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 88° 24' 51" E	S 89° 24' 51" E	66+35.76	66+31.04	68+40.48
C034	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 89° 24' 51" E	S 90° 24' 51" E	68+40.48	68+35.76	70+45.20
C035	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 90° 24' 51" E	S 91° 24' 51" E	70+45.20	70+40.48	72+49.92
C036	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 91° 24' 51" E	S 92° 24' 51" E	72+49.92	72+45.20	74+54.64
C037	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 92° 24' 51" E	S 93° 24' 51" E	74+54.64	74+49.92	76+59.36
C038	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 93° 24' 51" E	S 94° 24' 51" E	76+59.36	76+54.64	79+04.08
C039	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 94° 24' 51" E	S 95° 24' 51" E	79+04.08	78+99.36	81+08.80
C040	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 95° 24' 51" E	S 96° 24' 51" E	81+08.80	81+04.08	83+13.52
C041	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 96° 24' 51" E	S 97° 24' 51" E	83+13.52	83+08.80	85+18.24
C042	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 97° 24' 51" E	S 98° 24' 51" E	85+18.24	85+13.52	87+22.96
C043	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 98° 24' 51" E	S 99° 24' 51" E	87+22.96	87+18.24	89+27.68
C044	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 99° 24' 51" E	S 100° 24' 51" E	89+27.68	89+22.96	91+32.40
C045	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 100° 24' 51" E	S 101° 24' 51" E	91+32.40	91+27.68	93+37.12
C046	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 101° 24' 51" E	S 102° 24' 51" E	93+37.12	93+32.40	95+41.84
C047	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 102° 24' 51" E	S 103° 24' 51" E	95+41.84	95+37.12	97+46.56
C048	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 103° 24' 51" E	S 104° 24' 51" E	97+46.56	97+41.84	99+51.28
C049	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 104° 24' 51" E	S 105° 24' 51" E	99+51.28	99+46.56	101+56.00
C050	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 105° 24' 51" E	S 106° 24' 51" E	101+56.00	101+51.28	103+60.72
C051	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 106° 24' 51" E	S 107° 24' 51" E	103+60.72	103+56.00	105+65.44
C052	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 107° 24' 51" E	S 108° 24' 51" E	105+65.44	105+60.72	107+70.16
C053	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 108° 24' 51" E	S 109° 24' 51" E	107+70.16	107+65.44	109+74.88
C054	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 109° 24' 51" E	S 110° 24' 51" E	109+74.88	109+70.16	111+79.60
C055	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 110° 24' 51" E	S 111° 24' 51" E	111+79.60	111+74.88	113+84.32
C056	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 111° 24' 51" E	S 112° 24' 51" E	113+84.32	113+79.60	115+89.04
C057	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 112° 24' 51" E	S 113° 24' 51" E	115+89.04	115+84.32	117+93.76
C058	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 113° 24' 51" E	S 114° 24' 51" E	117+93.76	117+89.04	119+98.48
C059	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 114° 24' 51" E	S 115° 24' 51" E	119+98.48	119+93.76	122+03.20
C060	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 115° 24' 51" E	S 116° 24' 51" E	122+03.20	121+98.48	124+07.92
C061	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 116° 24' 51" E	S 117° 24' 51" E	124+07.92	124+03.20	126+12.64
C062	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 117° 24' 51" E	S 118° 24' 51" E	126+12.64	126+07.92	128+17.36
C063	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 118° 24' 51" E	S 119° 24' 51" E	128+17.36	128+12.64	130+22.08
C064	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 119° 24' 51" E	S 120° 24' 51" E	130+22.08	130+17.36	132+26.80
C065	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 120° 24' 51" E	S 121° 24' 51" E	132+26.80	132+22.08	134+31.52
C066	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 121° 24' 51" E	S 122° 24' 51" E	134+31.52	134+26.80	136+36.24
C067	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 122° 24' 51" E	S 123° 24' 51" E	136+36.24	136+31.52	138+40.96
C068	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 123° 24' 51" E	S 124° 24' 51" E	138+40.96	138+36.24	140+45.68
C069	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 124° 24' 51" E	S 125° 24' 51" E	140+45.68	140+40.96	142+50.40
C070	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 125° 24' 51" E	S 126° 24' 51" E	142+50.40	142+45.68	144+55.12
C071	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 126° 24' 51" E	S 127° 24' 51" E	144+55.12	144+50.40	146+59.84
C072	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 127° 24' 51" E	S 128° 24' 51" E	146+59.84	146+55.12	148+64.56
C073	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 128° 24' 51" E	S 129° 24' 51" E	148+64.56	148+59.84	150+69.28
C074	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 129° 24' 51" E	S 130° 24' 51" E	150+69.28	150+64.56	152+74.00
C075	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 130° 24' 51" E	S 131° 24' 51" E	152+74.00	152+69.28	154+78.72
C076	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 131° 24' 51" E	S 132° 24' 51" E	154+78.72	154+74.00	156+83.44
C077	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 132° 24' 51" E	S 133° 24' 51" E	156+83.44	156+78.72	158+88.16
C078	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 133° 24' 51" E	S 134° 24' 51" E	158+88.16	158+83.44	160+92.88
C079	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 134° 24' 51" E	S 135° 24' 51" E	160+92.88	160+88.16	162+97.60
C080	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 135° 24' 51" E	S 136° 24' 51" E	162+97.60	162+92.88	165+02.32
C081	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 136° 24' 51" E	S 137° 24' 51" E	165+02.32	164+97.60	167+07.04
C082	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 137° 24' 51" E	S 138° 24' 51" E	167+07.04	167+02.32	169+11.76
C083	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 138° 24' 51" E	S 139° 24' 51" E	169+11.76	169+07.04	171+16.48
C084	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 139° 24' 51" E	S 140° 24' 51" E	171+16.48	171+11.76	173+21.20
C085	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 140° 24' 51" E	S 141° 24' 51" E	173+21.20	173+16.48	175+25.92
C086	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 141° 24' 51" E	S 142° 24' 51" E	175+25.92	175+21.20	177+30.64
C087	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 142° 24' 51" E	S 143° 24' 51" E	177+30.64	177+25.92	179+35.36
C088	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 143° 24' 51" E	S 144° 24' 51" E	179+35.36	179+30.64	181+40.08
C089	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 144° 24' 51" E	S 145° 24' 51" E	181+40.08	181+35.36	183+44.80
C090	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 145° 24' 51" E	S 146° 24' 51" E	183+44.80	183+40.08	185+49.52
C091	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 146° 24' 51" E	S 147° 24' 51" E	185+49.52	185+44.80	187+54.24
C092	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 147° 24' 51" E	S 148° 24' 51" E	187+54.24	187+49.52	189+58.96
C093	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 148° 24' 51" E	S 149° 24' 51" E	189+58.96	189+54.24	191+63.68
C094	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 149° 24' 51" E	S 150° 24' 51" E	191+63.68	191+58.96	193+68.40
C095	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 150° 24' 51" E	S 151° 24' 51" E	193+68.40	193+63.68	195+73.12
C096	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 151° 24' 51" E	S 152° 24' 51" E	195+73.12	195+68.40	197+77.84
C097	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 152° 24' 51" E	S 153° 24' 51" E	197+77.84	197+73.12	199+82.56
C098	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 153° 24' 51" E	S 154° 24' 51" E	199+82.56	199+77.84	201+87.28
C099	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 154° 24' 51" E	S 155° 24' 51" E	201+87.28	201+82.56	203+92.00
C100	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 155° 24' 51" E	S 156° 24' 51" E	203+92.00	203+87.28	205+96.72
C101	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 156° 24' 51" E	S 157° 24' 51" E	205+96.72	205+92.00	208+01.44
C102	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 157° 24' 51" E	S 158° 24' 51" E	208+01.44	207+96.72	210+06.16
C103	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 158° 24' 51" E	S 159° 24' 51" E	210+06.16	210+01.44	212+10.88
C104	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 159° 24' 51" E	S 160° 24' 51" E	212+10.88	212+06.16	214+15.60
C105	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 160° 24' 51" E	S 161° 24' 51" E	214+15.60	214+10.88	216+20.32
C106	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 161° 24' 51" E	S 162° 24' 51" E	216+20.32	216+15.60	218+25.04
C107	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 162° 24' 51" E	S 163° 24' 51" E	218+25.04	218+20.32	220+29.76
C108	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 163° 24' 51" E	S 164° 24' 51" E	220+29.76	220+25.04	222+34.48
C109	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 164° 24' 51" E	S 165° 24' 51" E	222+34.48	222+29.76	224+39.20
C110	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 165° 24' 51" E	S 166° 24' 51" E	224+39.20	224+34.48	226+43.92
C111	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 166° 24' 51" E	S 167° 24' 51" E	226+43.92	226+39.20	228+48.64
C112	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 167° 24' 51" E	S 168° 24' 51" E	228+48.64	228+43.92	230+53.36
C113	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 168° 24' 51" E	S 169° 24' 51" E	230+53.36	230+48.64	232+58.08
C114	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 169° 24' 51" E	S 170° 24' 51" E	232+58.08	232+53.36	234+62.80
C115	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 170° 24' 51" E	S 171° 24' 51" E	234+62.80	234+58.08	236+67.52
C116	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 171° 24' 51" E	S 172° 24' 51" E	236+67.52	236+62.80	238+72.24
C117	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 172° 24' 51" E	S 173° 24' 51" E	238+72.24	238+67.52	240+76.96
C118	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 173° 24' 51" E	S 174° 24' 51" E	240+76.96	240+72.24	242+81.68
C119	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 174° 24' 51" E	S 175° 24' 51" E	242+81.68	242+76.96	244+86.40
C120	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 175° 24' 51" E	S 176° 24' 51" E	244+86.40	244+81.68	246+91.12
C121	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 176° 24' 51" E	S 177° 24' 51" E	246+91.12	246+86.40	248+95.84
C122	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 177° 24' 51" E	S 178° 24' 51" E	248+95.84	248+91.12	251+00.56
C123	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 178° 24' 51" E	S 179° 24' 51" E	251+00.56	250+95.84	253+05.28
C124	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 179° 24' 51" E	S 180° 24' 51" E	253+05.28	253+00.56	255+10.00
C125	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 180° 24' 51" E	S 181° 24' 51" E	255+10.00	255+05.28	257+14.72
C126	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 181° 24' 51" E	S 182° 24' 51" E	257+14.72	257+10.00	259+19.44
C127	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 182° 24' 51" E	S 183° 24' 51" E	259+19.44	259+14.72	261+24.16
C128	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 183° 24' 51" E	S 184° 24' 51" E	261+24.16	261+19.44	263+28.88
C129	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 184° 24' 51" E	S 185° 24' 51" E	263+28.88	263+24.16	265+33.60
C130	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 185° 24' 51" E	S 186° 24' 51" E	265+33.60	265+28.88	267+38.32
C131	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 186° 24' 51" E	S 187° 24' 51" E	267+38.32	267+33.60	269+43.04
C132	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 187° 24' 51" E	S 188° 24' 51" E	269+43.04	269+38.32	271+47.76
C133	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 188° 24' 51" E	S 189° 24' 51" E	271+47.76	271+43.04	273+52.48
C134	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 189° 24' 51" E	S 190° 24' 51" E	273+52.48	273+47.76	275+57.20
C135	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 190° 24' 51" E	S 191° 24' 51" E	275+57.20	275+52.48	277+61.92
C136	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 191° 24' 51" E	S 192° 24' 51" E	277+61.92	277+57.20	279+66.64
C137	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 192° 24' 51" E	S 193° 24' 51" E	279+66.64	279+61.92	281+71.36
C138	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 193° 24' 51" E	S 194° 24' 51" E	281+71.36	281+66.64	283+76.08
C139	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 194° 24' 51" E	S 195° 24' 51" E	283+76.08	283+71.36	285+80.80
C140	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 195° 24' 51" E	S 196° 24' 51" E	285+80.80	285+76.08	287+85.52
C141	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 196° 24' 51" E	S 197° 24' 51" E	287+85.52	287+80.80	289+90.24
C142	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 197° 24' 51" E	S 198° 24' 51" E	289+90.24	289+85.52	291+94.96
C143	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 198° 24' 51" E	S 199° 24' 51" E	291+94.96	291+90.24	293+99.68
C144	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 199° 24' 51" E	S 200° 24' 51" E	293+99.68	293+94.96	296+04.40
C145	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 200° 24' 51" E	S 201° 24' 51" E	296+04.40	295+99.68	298+09.12
C146	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 201° 24' 51" E	S 202° 24' 51" E	298+09.12	298+04.40	300+13.84
C147	1°00'00"	0°57'18"	104.72	209.44	6,000.00	S 202° 24' 51" E	S 203° 24' 51" E	300+13.84	300+09.12	302+18.56
C148	1°00'00"

Texas Department of Transportation

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

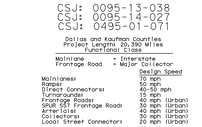
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20,390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	45 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	40 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	30 mph (Urban)



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

OCTOBER 2019

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

JASON R. BOOHER — 114508
DATE — LICENSED P.E. NUMBER

ALEXANDER S. KEMP — 135215
DATE — LICENSED P.E. NUMBER

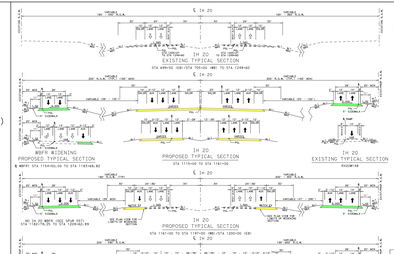
10/31/2019

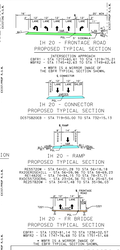
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

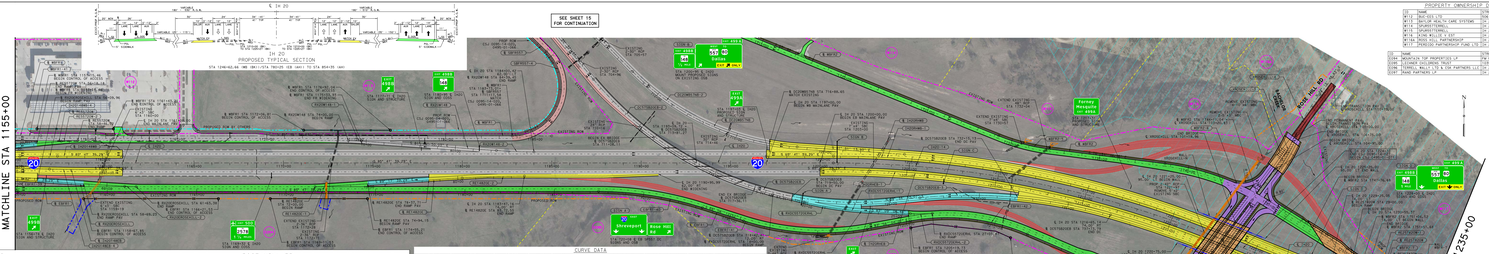
100% PRELIMINARY SUBJECT TO CHANGE

ROLL 11 OF 30

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






SEE SHEET 15 FOR CONTINUATION
MATCHLINE STA 1155+00
MATCHLINE STA 1235+00
ROSE HILL RD
Forney Mesquite 20 miles
Dallas 30 miles
Terrell 40 miles
Greenville 60 miles
Sherman 90 miles
Texarkana 180 miles
Houston 240 miles
Austin 190 miles
Waco 100 miles
Fort Worth 30 miles
Abilene 180 miles
Amarillo 360 miles
Oklahoma City 200 miles
Shreveport 190 miles
Little Rock 320 miles
Memphis 450 miles
Albuquerque 650 miles
El Paso 750 miles
Phoenix 1000 miles
Los Angeles 1400 miles
Chicago 1000 miles
Kansas City 500 miles
Minneapolis 1000 miles
Denver 800 miles
Salt Lake City 1200 miles
Seattle 1800 miles
Portland 1700 miles
Las Vegas 1400 miles
San Diego 1500 miles
Pecos 1000 miles
Jacksonville 1000 miles
Miami 1200 miles
Tampa 1000 miles
Orlando 1000 miles
Atlanta 800 miles
Charlotte 1000 miles
Nashville 700 miles
Louisville 800 miles
Cincinnati 900 miles
Columbus 900 miles
Indianapolis 800 miles
Detroit 1000 miles
Cleveland 1000 miles
Pittsburgh 1000 miles
Buffalo 1200 miles
Rochester 1200 miles
Syracuse 1200 miles
Albany 1300 miles
Boston 1500 miles
New York 1400 miles
Philadelphia 1300 miles
Baltimore 1200 miles
Washington DC 1200 miles
Richmond 1100 miles
Norfolk 1200 miles
Raleigh 1000 miles
Greensboro 1000 miles
Charleston 1100 miles
Columbia 1000 miles
Savannah 1100 miles
Jacksonville 1000 miles
Tampa 1000 miles
Orlando 1000 miles
Miami 1200

Texas Department of Transportation

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane • Interstate
Frontage Road • Major Collector

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SPUR 557 Frontage Roads	40 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	30 mph (Urban)



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

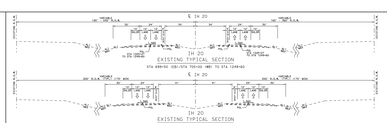
OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES
THE DIRECT SUPERVISION OF:
JASON R. RICHTER | 114558 | P.E. NUMBER
ALEXANDER S. KUNZ | 135216 | P.E. NUMBER
10/31/2019
DATE
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 12 OF 30

100% PRELIMINARY SUBJECT TO CHANGE

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

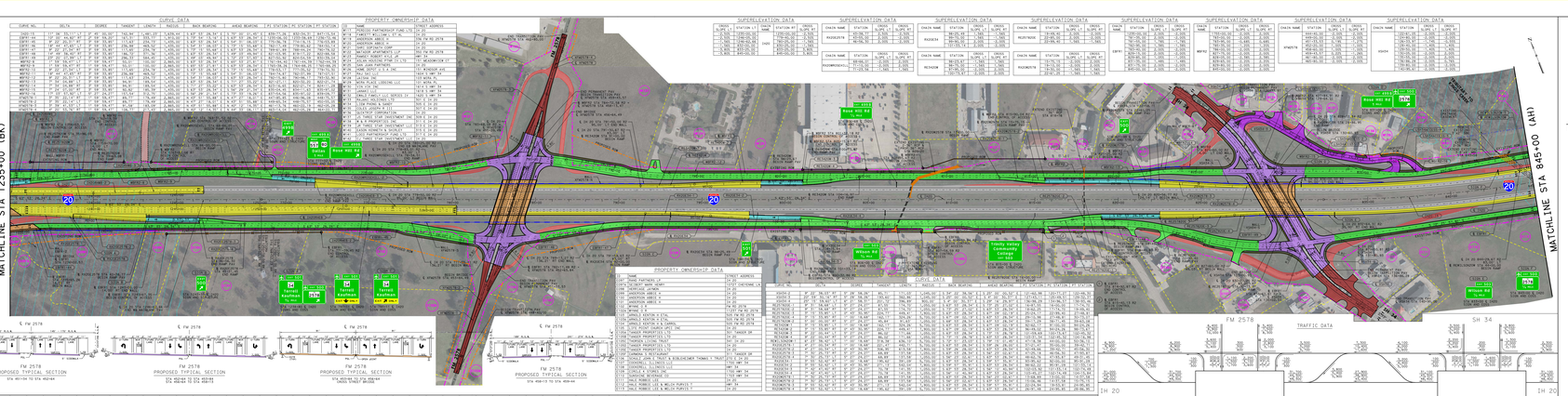


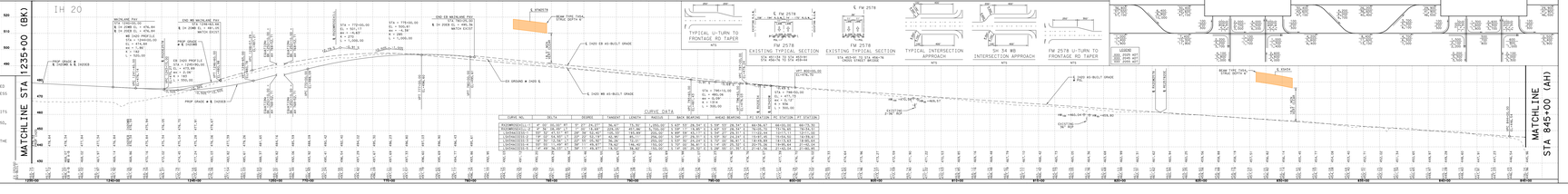
LEGEND

- FLOODPLAIN
- PAVEMENT REMOVAL
- PAVEMENT REMOVAL BY OTHERS
- MAINLANES
- FRONTAGE ROADS
- RAMPS
- BRIDGES
- CROSS STREETS/LOCAL ROADS
- LOCAL STREET CONNECTOR
- TRANSITIONS
- SIDEWALKS
- MEDIANS
- PROPOSED RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY BY OTHERS
- CONTROL OF ACCESS
- PROPOSED DRAINAGE EASEMENT
- EXISTING RIGHT-OF-WAY
- PROPERTY LINES
- RETAINING WALLS

NOTES

1. EXISTING FEATURES WERE NOT FIELD VERIFIED. SURVEY WAS PERFORMED BY AERIAL SURVEYS PHOTOGRAPHY IN AUGUST 2016 AND FIELD SURVEYED.
2. PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY.
3. ORTHOPHOTO INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS AND KAUFMAN COUNTY GIS DATA DATED 2018.
4. ADA RAMPS, SIDEWALKS, AND DRIVEWAYS WILL BE CONSTRUCTED/RECONSTRUCTED AS REQUIRED TO CHANGE, IF/WHEN LOCATIONS TO BE CONSTRUCTED DURING THE FINAL DESIGN PHASE OF THE PROJECT.
5. ACCESS POINTS, LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
6. ALL DIMENSIONS ARE SHOWN FROM BACK OF CURB TO BACK OF CURB UNLESS NOTED OTHERWISE.
7. ALL ROTATIONS ACCS OF ROTATION IS ABOUT THE PGL.
8. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN THE PROPOSED ROW WILL BE RECONSTRUCTED/REMOVED UNLESS NOTED OTHERWISE.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE C1 UNLESS NOTED OTHERWISE.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS PER FEMA FIRM MAPS 48257C0530K, EFFECTIVE DATE: 07/07/2014, 48113C0530K, 48113C0540K, EFFECTIVE DATE: 06/05/2009, 48257C0535G, 48257C0545G, AND 48257C0550G, EFFECTIVE DATE: 07/07/2014.
11. CONVENTIONAL PAVEMENT MARKINGS AND SIGNS ARE NOT SHOWN AND WILL BE DETERMINED AT THE PS&E PHASE OF THE PROJECT.
12. PROPOSED DRAINAGE SYSTEM SHALL WILL BE DEVELOPED AT THE PS&E PHASE.





Texas Department of Transportation

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane • Interstate
Frontage Road • Major Collector

Mainlanes 70 mph
Ramps 50 mph
Direct Connectors 50 mph
Turnarounds 15 mph
Frontage Roads 40 mph (Urban)
SPUR 557 Frontage Roads 40 mph (Urban)
Arterials 40 mph (Urban)
Collectors 40 mph (Urban)
Local Street Connectors 30 mph (Urban)



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

OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES
THE DIRECT SUPERVISION OF:
JASON R. RICHTER | 114558 | P.E. NUMBER
ALEXANDER S. KUNZ | 135216 | P.E. NUMBER
10/31/2019
DATE
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 12 OF 30

100% PRELIMINARY SUBJECT TO CHANGE

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

Texas Department of Transportation

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

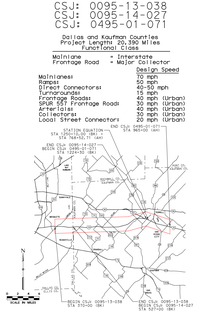
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	45 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



Scale: Horizontal 1"=200'
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OCTOBER 2019

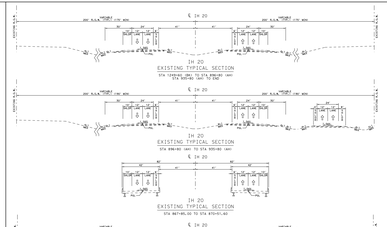
PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:
JASON R. RICHTER | 114018 | DATE | P.E. NUMBER
ALEXANDER S. KEMP | 135213 | DATE | P.E. NUMBER
10/31/2019

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 13 OF 30

100% PRELIMINARY SUBJECT TO CHANGE

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



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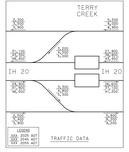
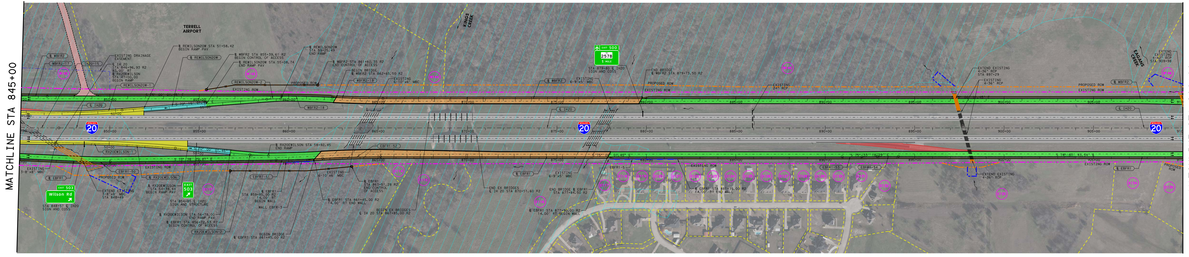
0112	DALLAS AREA RAPID TRANSIT
0113	CITY OF TERRELL
0114	TEXAS UTILITIES ELECTRIC COMPANY
0115	TEXAS UTILITIES ELECTRIC COMPANY
0116	TERRELL ECONOMIC DEVELOPMENT

ID	NAME	STREET ADDRESS
0113	TRACE ROBBIE LEE & WELCH PURSTI	00 XX
0114	TEXAS UTILITIES ELECTRIC COMPANY	00 XX
0115	TEXAS UTILITIES ELECTRIC COMPANY	00 XX
0116	SPARK AREA	81060 CREEK DR
0117	SHAMBLIN JAMES BRYAN & MELISS	8104 KINGS CREEK DR
0118	SHAMBLIN W ELVIN & SHARON	8112 KINGS CREEK DR
0119	SILVIA RODRIGO A	8124 KINGS CREEK DR
0120	SILVIA RODRIGO A & SILVIA D	8124 KINGS CREEK DR
0121	SIMS CLIFFORD A & MARY B & RAY	8132 KINGS CREEK DR
0122	SMALL MICHAEL A & ROBIN J	8208 KINGS CREEK DR
0123	SMITH JOHN	8216 KINGS CREEK DR
0124	LUCERO JOHN	8224 KINGS CREEK DR
0125	WALKER BARBARA	8232 KINGS CREEK DR
0126	WARREN JAMES A & ANGEL L	8240 KINGS CREEK DR
0127	LUCERO JOHN	8248 KINGS CREEK DR
0128	HOWER BOBBY	8257 KINGS CREEK DR
0129	TERRELL PLASTICS & CLOSETS A	8241 KINGS CREEK DR
0130	TERRELL PLASTICS & CLOSETS	8233 KINGS CREEK DR
0131	WILLIAMS TIMOTHY W & DONNA L	8217 KINGS CREEK DR
0132	WILLIS JOHN	8209 KINGS CREEK DR
0133	ELLIS M	8201 KINGS CREEK DR
0134	TERRAMAR & SONS LLC	00 XX
0135	HOMEBOOK OF AMERICA	00 XX

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MATCHLINE STA 910+00
IH 20
EXISTING ROW
PROPOSED ROW
EXISTING ROW
EXISTING ROW
PROPOSED ROW
EXISTING ROW
EXISTING ROW
PROPOSED ROW
EXISTING ROW

Texas Department of Transportation

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

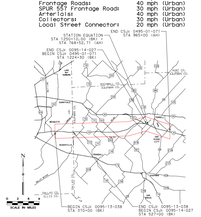
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20,390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)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Texas Department of Transportation

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

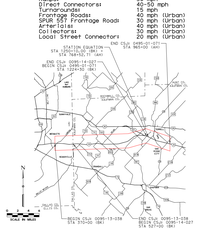
IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane • Interstate
Frontage Road • Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	60 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



OCTOBER 2019

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

JASON R. RICHTER — 114258 — 8/7/2019 — P.E. NUMBER

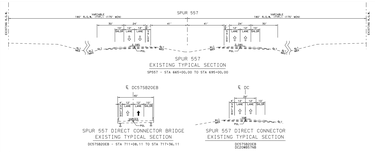
ALEXANDER S. KEMP — 135216 — 8/7/2019 — P.E. NUMBER

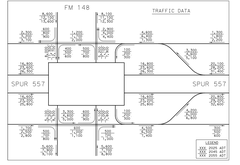
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 15 OF 30

100% PRELIMINARY SUBJECT TO CHANGE

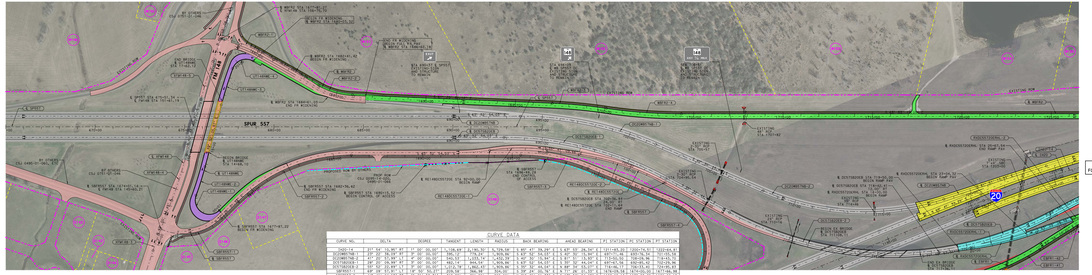
HDR
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248
972.960.4400





LEGEND
- FLOODPLAIN
- PAVEMENT REMOVAL
- PAVEMENT REMOVAL BY OTHERS
- WATERLINES
- FRONTAGE ROADS
- RAMPS
- BRIDGES
- CROSS STREETS/LOCAL ROADS
- LOCAL STREET CONNECTOR
- TRANSITIONS
- SIDEWALKS
- MAINLANES
- PROPOSED RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY BY OTHERS
- CONTROL OF ACCESS
- PROPOSED DRAINAGE EASEMENT
- EXISTING RIGHT-OF-WAY
- PROPERTY LINES
- RETAINING WALLS

NOTES
1. EXISTING FEATURES WERE NOT FIELD-VERIFIED EXCEPT AS NOTED. TOPOGRAPHY, AERIAL SURVEY PHOTOS DATED IN AUGUST 2016 AND FIELD SURVEY.
2. PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY.
3. ORTHOPHOTO INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM DALLAS AND KAUFMAN COUNTY GIS DATA DATED 2016 AND 2017.
4. ADA RAMPS, SIDEWALKS, AND DRIVEWAYS ARE APPROXIMATE LOCATIONS AND ARE SUBJECT TO CHANGE. FINAL LOCATIONS TO BE DETERMINED DURING THE FINAL DESIGN PHASE OF THE PROJECT.
5. ACCESS POINTS, LIMITS ARE DETERMINED PER TXDOT ACCESS MANAGEMENT MANUAL.
6. DIMENSIONS ARE TO EDGE OF PAVEMENT OR AS NOTED. ALL CURVES ARE SHOWN AS CIRCULAR ARCS UNLESS NOTED OTHERWISE.
7. ALL ELEVATION AXES OF ROTATION IS ABOUT THE PGL.
8. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN THE PROPOSED RECONSTRUCTION WILL BE REMOVED UNLESS NOTED OTHERWISE.
9. CURBS ON FRONTAGE ROADS AND CROSS STREETS ARE TYPE C1 UNLESS NOTED OTHERWISE.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED ON FEMA FLOOD INSURANCE RATE MAPS 48113C0415J, 48113C0420J, 48113C0430J, 48113C0435J, 48113C0440J, 48257C0170J, 48257C0190J, 48257C0195J, AND 48257C0205J.
11. CONVENTIONAL ROADWAY SIGNAGE (SMALL) SIGNS ARE NOT SHOWN AND WILL BE DETERMINED DURING THE FINAL DESIGN PHASE OF THE PROJECT.
12. PAVEMENT DESIGN TO BE DETERMINED. WILL BE DEVELOPED AT THE PS&E PHASE.



CURVE DATA

CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK BEARING	AHEAD BEARING	PI STATION	BC STATION	EC STATION
DC57600928-1	83° 29' 00.00"	9° 33' 00.00"	599.00'	728.49'	600.00'	N 83° 29' 00.00" E	N 00° 00' 00.00" E	711+06.77	705+07.77	712+35.26
DC57600928-2	83° 29' 00.00"	9° 33' 00.00"	599.00'	728.49'	600.00'	N 00° 00' 00.00" E	N 83° 29' 00.00" W	711+36.11	712+35.26	719+63.75
131150035-1	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	1+00.00	0+00.00	7+85.40
131150035-2	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	8+00.00	7+85.40	15+70.80
SB55027-1	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	15+00.00	13+70.80	21+56.20
SB55027-2	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	22+00.00	21+56.20	29+41.60
48257E13	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	29+00.00	27+41.60	35+26.99
48257E12	91° 29' 00.00"	11° 27' 33.00"	511.40'	800.52'	500.00'	S 06° 31' 00.00" E	N 84° 58' 00.00" E	34+41.40	33+41.40	41+41.92
48257E11	88° 31' 00.00"	11° 27' 33.00"	488.60'	764.88'	500.00'	N 84° 58' 00.00" E	S 06° 31' 00.00" E	39+30.00	37+65.12	45+30.00
48257E10	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	47+00.00	45+30.00	52+85.40
48257E9	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	52+00.00	50+85.40	58+70.80
48257E8	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	59+00.00	57+70.80	65+56.20
48257E7	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	66+00.00	64+56.20	72+41.60
48257E6	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	73+00.00	71+41.60	79+26.99
48257E5	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	78+00.00	76+26.99	84+12.39
48257E4	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	85+00.00	83+12.39	90+97.79
48257E3	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	91+00.00	89+97.79	97+83.19
48257E2	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	98+00.00	96+83.19	104+68.59
48257E1	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	103+00.00	101+68.59	109+53.99
131150035-3	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	110+00.00	108+53.99	116+39.39
131150035-4	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	116+00.00	114+39.39	122+24.79
131150035-5	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	123+00.00	121+24.79	129+10.19
131150035-6	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	128+00.00	126+10.19	133+95.59
131150035-7	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	135+00.00	133+95.59	141+80.99
131150035-8	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	141+00.00	139+80.99	147+66.39
131150035-9	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	148+00.00	146+66.39	154+51.79
131150035-10	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	153+00.00	151+51.79	159+37.19
131150035-11	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	160+00.00	158+37.19	166+22.59
131150035-12	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	166+00.00	164+22.59	172+07.99
131150035-13	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	173+00.00	171+07.99	178+93.39
131150035-14	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	178+00.00	176+93.39	184+78.79
131150035-15	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	185+00.00	183+78.79	191+64.19
131150035-16	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	191+00.00	189+64.19	197+49.59
131150035-17	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	198+00.00	196+49.59	204+34.99
131150035-18	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	203+00.00	201+34.99	209+20.39
131150035-19	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	210+00.00	208+20.39	216+05.79
131150035-20	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	216+00.00	214+05.79	221+91.19
131150035-21	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	223+00.00	221+91.19	229+76.59
131150035-22	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	228+00.00	226+76.59	234+61.99
131150035-23	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	235+00.00	233+61.99	241+47.39
131150035-24	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	241+00.00	239+47.39	247+32.79
131150035-25	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	248+00.00	246+32.79	254+18.19
131150035-26	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	253+00.00	251+18.19	259+03.59
131150035-27	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	260+00.00	258+03.59	265+88.99
131150035-28	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	266+00.00	263+88.99	271+74.39
131150035-29	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	273+00.00	271+74.39	279+59.79
131150035-30	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	278+00.00	276+59.79	284+45.19
131150035-31	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	285+00.00	283+45.19	291+30.59
131150035-32	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	291+00.00	289+30.59	297+15.99
131150035-33	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	298+00.00	296+15.99	304+01.39
131150035-34	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	303+00.00	301+01.39	308+86.79
131150035-35	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	310+00.00	308+86.79	316+72.19
131150035-36	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	316+00.00	314+72.19	322+57.59
131150035-37	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	323+00.00	321+57.59	329+42.99
131150035-38	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	328+00.00	326+42.99	334+28.39
131150035-39	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	335+00.00	333+28.39	341+13.79
131150035-40	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	341+00.00	338+13.79	345+99.19
131150035-41	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	348+00.00	345+99.19	353+84.59
131150035-42	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	353+00.00	350+84.59	358+69.99
131150035-43	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	360+00.00	358+69.99	366+55.39
131150035-44	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	366+00.00	363+55.39	371+40.79
131150035-45	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	373+00.00	371+40.79	379+26.19
131150035-46	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	378+00.00	376+26.19	384+11.59
131150035-47	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	385+00.00	383+11.59	390+96.99
131150035-48	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	391+00.00	388+96.99	396+82.39
131150035-49	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	398+00.00	396+82.39	404+67.79
131150035-50	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	403+00.00	401+67.79	409+53.19
131150035-51	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	410+00.00	408+53.19	416+38.59
131150035-52	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	416+00.00	413+38.59	421+23.99
131150035-53	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	423+00.00	421+23.99	429+09.39
131150035-54	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	428+00.00	426+09.39	433+94.79
131150035-55	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	435+00.00	433+94.79	441+80.19
131150035-56	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	441+00.00	438+80.19	446+65.59
131150035-57	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	448+00.00	446+65.59	454+50.99
131150035-58	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	453+00.00	451+50.99	459+36.39
131150035-59	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	460+00.00	458+36.39	466+21.79
131150035-60	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	466+00.00	463+21.79	471+07.19
131150035-61	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	473+00.00	471+07.19	478+92.59
131150035-62	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	478+00.00	476+92.59	483+77.99
131150035-63	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	485+00.00	483+77.99	491+63.39
131150035-64	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	491+00.00	488+63.39	496+48.79
131150035-65	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	498+00.00	496+48.79	504+34.19
131150035-66	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	503+00.00	501+34.19	509+19.59
131150035-67	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	510+00.00	508+19.59	516+04.99
131150035-68	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	516+00.00	513+04.99	520+90.39
131150035-69	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	523+00.00	520+90.39	528+75.79
131150035-70	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	528+00.00	526+75.79	534+61.19
131150035-71	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	535+00.00	533+61.19	541+46.59
131150035-72	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	541+00.00	538+46.59	546+31.99
131150035-73	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	548+00.00	546+31.99	554+17.39
131150035-74	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	553+00.00	551+17.39	559+02.79
131150035-75	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	560+00.00	558+02.79	565+88.19
131150035-76	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	566+00.00	563+88.19	571+73.59
131150035-77	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	573+00.00	571+73.59	579+58.99
131150035-78	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	578+00.00	576+58.99	584+44.39
131150035-79	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	585+00.00	583+44.39	591+29.79
131150035-80	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	591+00.00	588+29.79	596+15.19
131150035-81	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	598+00.00	596+15.19	604+00.59
131150035-82	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	603+00.00	601+00.59	608+85.99
131150035-83	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	610+00.00	608+85.99	616+71.39
131150035-84	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	616+00.00	613+71.39	621+56.79
131150035-85	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	623+00.00	621+56.79	629+42.19
131150035-86	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	628+00.00	626+42.19	634+27.59
131150035-87	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	635+00.00	633+27.59	641+12.99
131150035-88	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	641+00.00	638+12.99	645+98.39
131150035-89	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	648+00.00	645+98.39	653+83.79
131150035-90	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	653+00.00	650+83.79	658+69.19
131150035-91	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	660+00.00	658+69.19	666+54.59
131150035-92	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	666+00.00	663+54.59	671+39.99
131150035-93	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	673+00.00	671+39.99	679+25.39
131150035-94	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	678+00.00	676+25.39	684+10.79
131150035-95	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	685+00.00	683+10.79	690+96.19
131150035-96	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	691+00.00	688+96.19	696+81.59
131150035-97	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	698+00.00	696+81.59	704+66.99
131150035-98	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	703+00.00	701+66.99	709+52.39
131150035-99	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	710+00.00	708+52.39	716+37.79
131150035-100	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	716+00.00	713+37.79	721+23.19
131150035-101	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	723+00.00	721+23.19	729+08.59
131150035-102	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	728+00.00	726+08.59	733+93.99
131150035-103	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	735+00.00	733+93.99	741+79.39
131150035-104	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	741+00.00	738+79.39	746+64.79
131150035-105	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	748+00.00	746+64.79	754+50.19
131150035-106	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 83° 29' 00.00" W	N 06° 31' 00.00" W	753+00.00	751+50.19	759+35.59
131150035-107	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 06° 31' 00.00" W	N 83° 29' 00.00" E	760+00.00	758+35.59	766+20.99
131150035-108	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	N 83° 29' 00.00" E	S 06° 31' 00.00" E	766+00.00	763+20.99	771+06.39
131150035-109	90° 00' 00.00"	11° 27' 33.00"	500.00'	785.40'	500.00'	S 06° 31' 00.00" E	S 83° 29' 00.00" W	773+00.00	771+06.39	778+91.79
131150035-110	90° 00' 00.00

Texas Department of Transportation

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

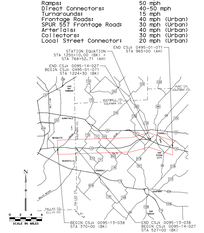
IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Ramp Connectors	35 to 50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	50 mph (Urban)
Arterials	40 mph (Urban)
Collectors	30 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:

JASON R. BUCHTA — 114508 — LICENSED ENGINEER
ALEXANDER G. KEMP — 133213 — REGISTERED ENGINEER
10/31/2019 — DATE

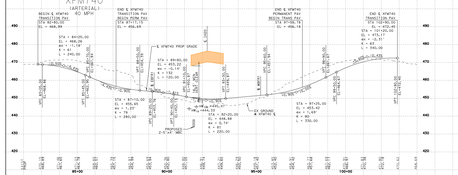
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

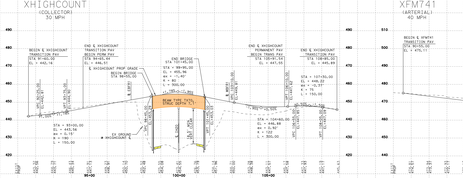
ROLL 16 OF 30

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

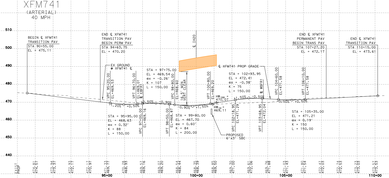
XFM740 (ARTERIAL) 40 MPH



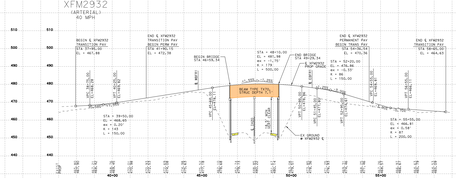
XH1GHCOUNT (COLLECTOR) 30 MPH



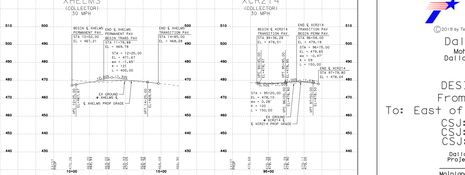
XFM741 (ARTERIAL) 40 MPH



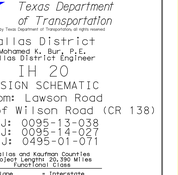
XFM2932 (ARTERIAL) 40 MPH



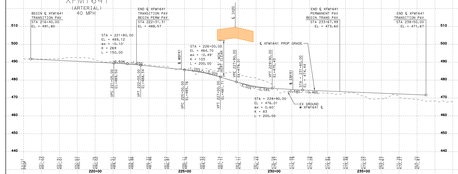
XHELMS (COLLECTOR) 30 MPH



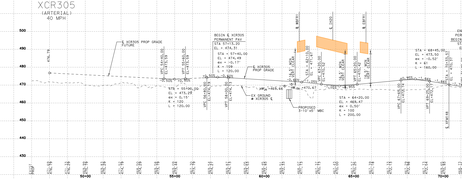
XCR214 (COLLECTOR) 30 MPH



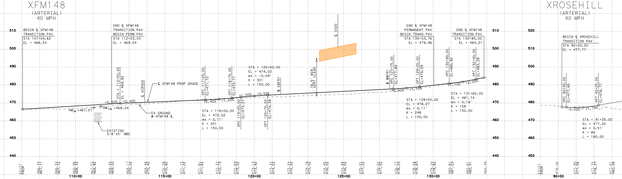
XFM1641 (ARTERIAL) 40 MPH



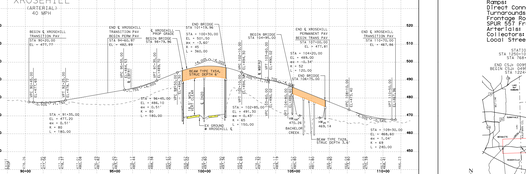
XCR305 (ARTERIAL) 40 MPH



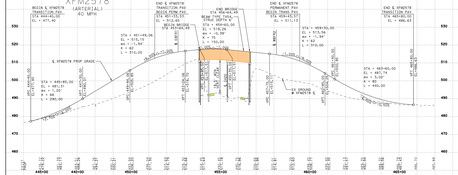
XFM148 (ARTERIAL) 40 MPH



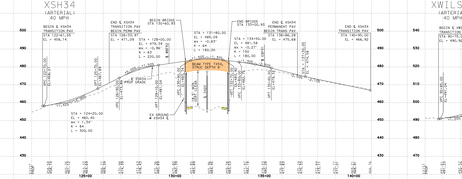
XROSEHILL (ARTERIAL) 40 MPH



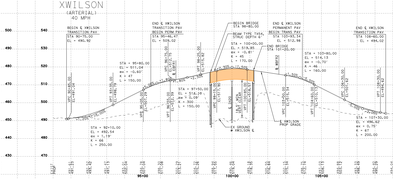
XFM2578 (ARTERIAL) 40 MPH



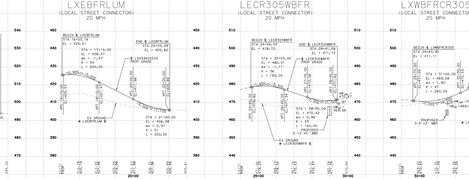
XSH34 (ARTERIAL) 40 MPH



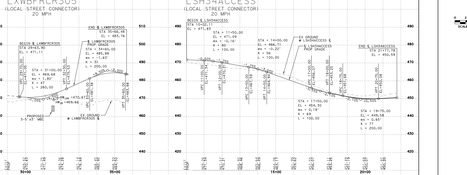
XWILSON (ARTERIAL) 40 MPH



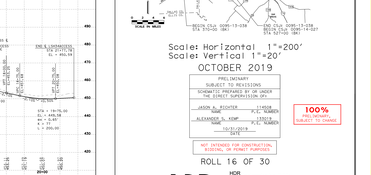
LXEBFRLUM (LOCAL STREET CONNECTOR) 20 MPH



LECR305WBFR (LOCAL STREET CONNECTOR) 20 MPH



LXWBFRCR305 (LOCAL STREET CONNECTOR) 20 MPH



LSH34ACCESS (LOCAL STREET CONNECTOR) 20 MPH

Texas Department of Transportation

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

IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

Mainlanes 70 mph
Ramps 50 mph
Ramp Connectors 35 to 50 mph
Turnarounds 15 mph
Frontage Roads 40 mph (Urban)
SPUR 557 Frontage Roads 50 mph (Urban)
Arterials 40 mph (Urban)
Collectors 30 mph (Urban)
Local Street Connectors 20 mph (Urban)

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

OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:

JASON R. BUCHTA — 114508 — LICENSED ENGINEER
ALEXANDER G. KEMP — 133213 — REGISTERED ENGINEER
10/31/2019 — DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 16 OF 30

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

Texas Department of Transportation

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

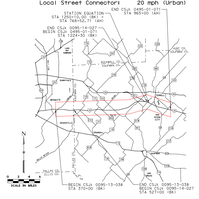
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Ramp Connectors	15 - 50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

OCTOBER 2019

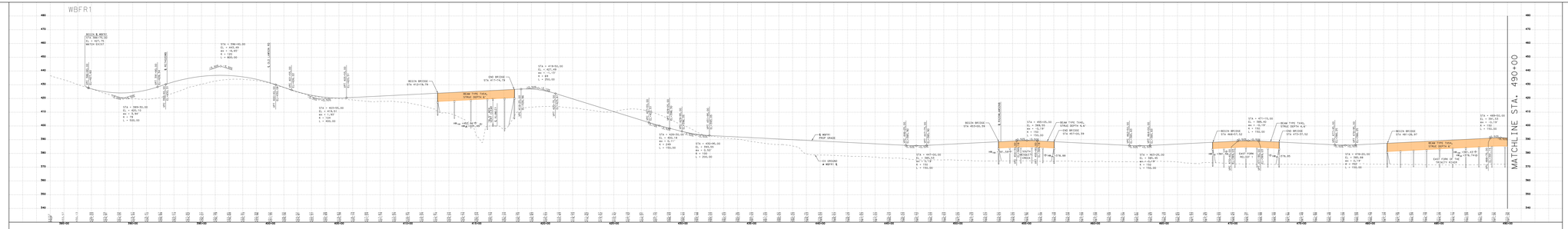
PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:
JASON R. RISCHER — 142108 — P.E. NUMBER
ALEXANDER S. KEMP — 133213 — P.E. NUMBER
10/31/2019 — DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 17 OF 30

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



Texas Department of Transportation

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

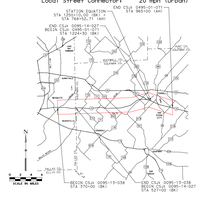
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Ramp Connectors	50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

OCTOBER 2019

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

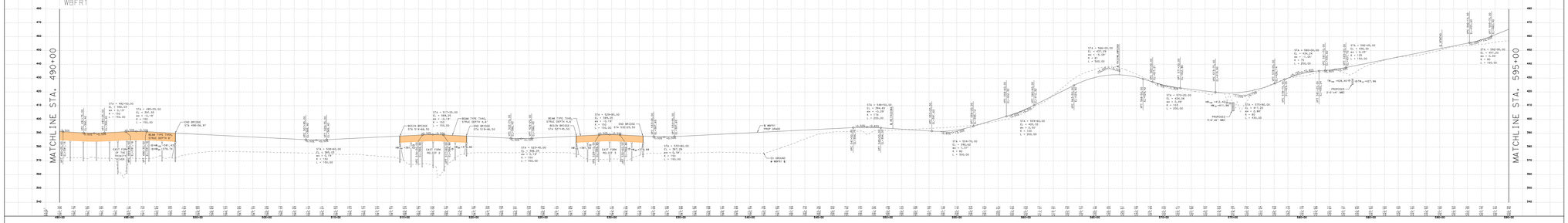
JASON R. RICHTER — 114008 — P.E. NUMBER
ALEXANDER S. KEMP — 133213 — P.E. NUMBER
SIGNATURE — 10/31/2019 — DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 18 OF 30

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


WBFR1
MATCHLINE STA. 490+00
MATCHLINE STA. 595+00
STA = 490+00.00
EL = 384.80
ex = -0.18'
s = 1.50
L = 150.00
STA = 491+50.00
EL = 387.05
ex = -0.18'
s = 1.50
L = 150.00
END BRIDGE
STA 490+26.97
BEGIN BRIDGE
STA 491+45.61
BEAM TYPE (TxDOT)
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s = 1.50
R = 1,146'
L = 300.00
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EL = 1308.49
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EL = 1793.06
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s = 1.50
R =

Texas Department of Transportation

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

IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane - Interstate
Frontage Road - Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Ramp Connectors	30 to 50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Road	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	30 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

OCTOBER 2019

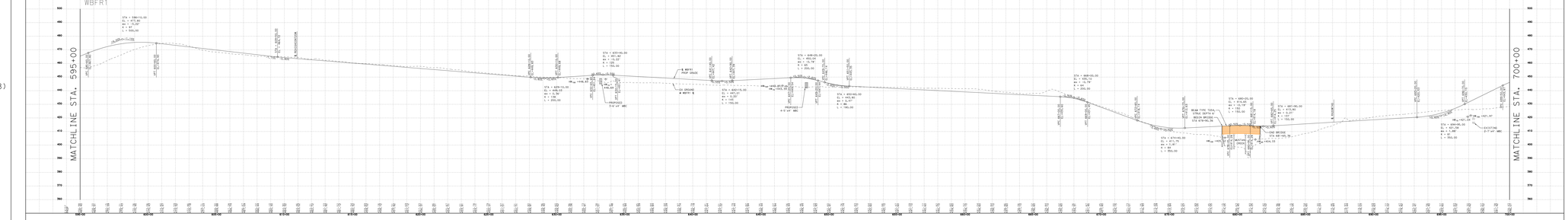
PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:
JASON R. RISCHER — 114508 — P.E. NUMBER
ALEXANDER S. KEMP — 135013 — P.E. NUMBER
10/31/2019 — DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 19 OF 30

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



Texas Department of Transportation

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

IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane - Interstate
Frontage Road - Major Collector

Mainlanes 70 mph
Ramps 50 mph
Ramp Connectorsr 30 to 50 mph
Turnarounds 15 mph
Frontage Roads 40 mph (Urban)
SPUR 557 Frontage Road 30 mph (Urban)
Arterialss 40 mph (Urban)
Collectors 30 mph (Urban)
Local Street Connectors 20 mph (Urban)

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

OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:
JASON R. RISCHER — 114508 — P.E. NUMBER
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10/31/2019 — DATE

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Dallas, Texas 75248
972.960.4400

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Ramp Connectorss	40 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:

JASON R. BISCHOF — 114008 — P.E. NUMBER
NAME

ALEXANDER L. KEMP — 133013 — P.E. NUMBER
NAME

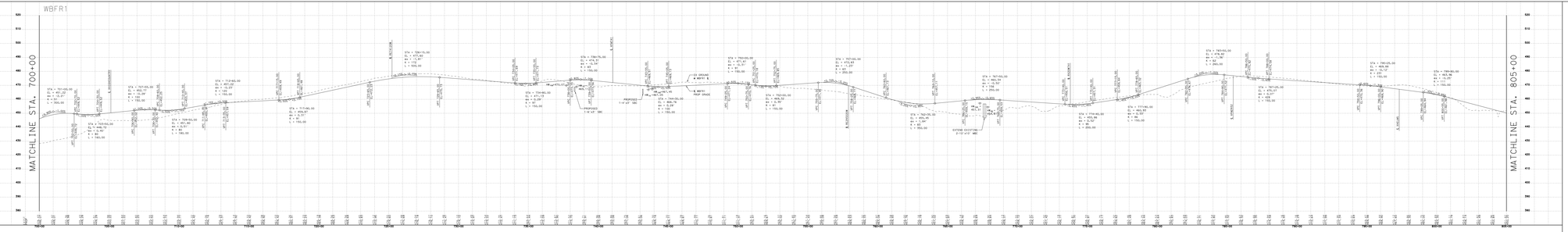
10/31/2019
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 20 OF 30

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



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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Ramp Connectorss	40 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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

OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:

JASON R. BISCHOF — 114008 — P.E. NUMBER
NAME

ALEXANDER L. KEMP — 133013 — P.E. NUMBER
NAME

10/31/2019
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 20 OF 30

HDR
Firm Registration No. F-754
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Dallas, Texas 75248
972.960.4400

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

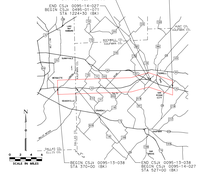
IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Ramp Connectors	30 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



Scale: Horizontal 1"=200'
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OCTOBER 2019

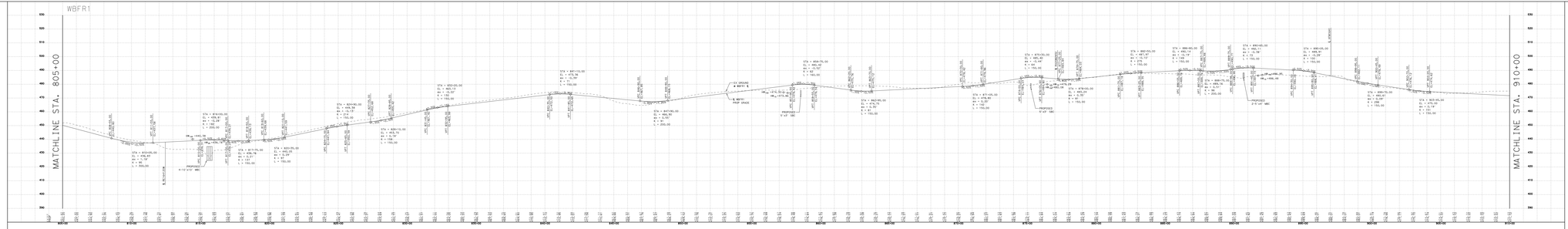
PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:
JASON R. REICHER — 140108 — P.E. NUMBER
ALEXANDER S. KEMP — 139213 — P.E. NUMBER
10/31/2019
DATE

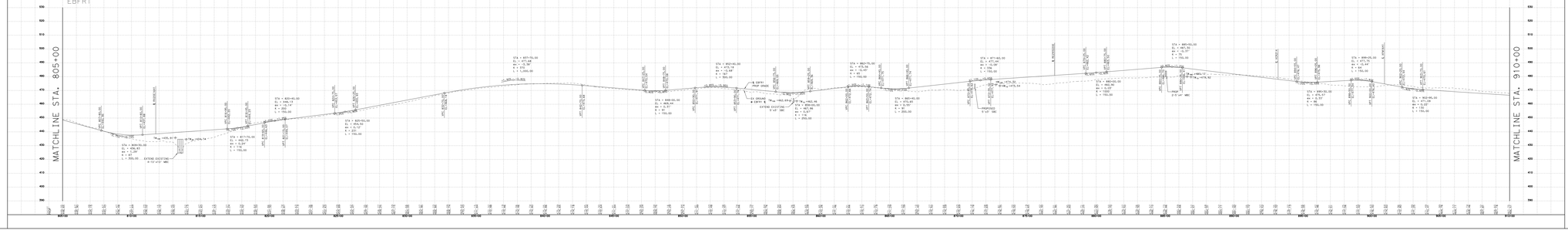
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 21 OF 30

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





Texas Department of Transportation

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

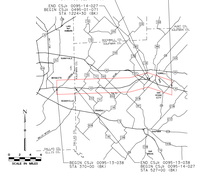
IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Ramp Connectors	30 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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Scale: Vertical 1"=20'

OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:
JASON R. REICHER — 140108 — P.E. NUMBER
ALEXANDER S. KEMP — 139213 — P.E. NUMBER
10/31/2019
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 21 OF 30

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

Texas Department of Transportation

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

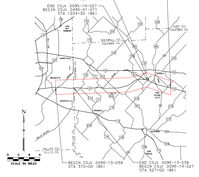
IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Ramp Connectors	15 - 50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Road	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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OCTOBER 2019

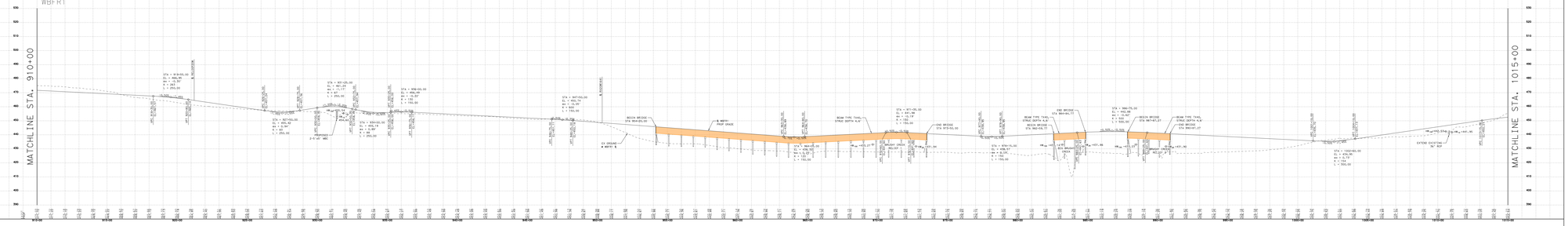
PRELIMINARY
SUBJECT TO REVISIONS
SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:
JASON R. RISCHER — 142108 — PE NUMBER
ALEXANDER S. KEMP — 133213 — PE NUMBER
10/31/2019 — DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 22 OF 30

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

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

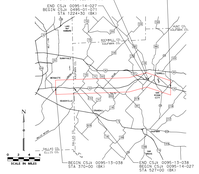
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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OCTOBER 2019

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

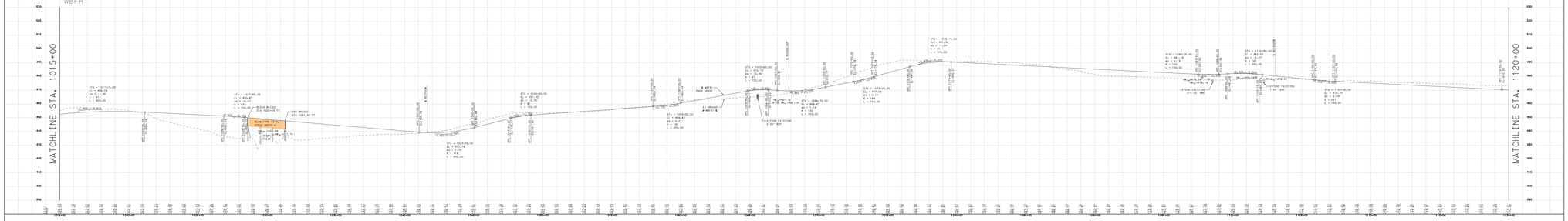
JASON R. RISCHER — 140108 — TEXAS — P.E. NUMBER
ALEXANDER S. KEMP — 135019 — TEXAS — P.E. NUMBER
10/31/2019
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 23 OF 30

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



Texas Department of Transportation

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Dallas District

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

IH 20
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To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes:	70 mph
Ramps:	50 mph
Direct Connectors:	40-50 mph
Turnarounds:	15 mph
Frontage Roads:	40 mph (Urban)
SPUR 561 Frontage Road:	30 mph (Urban)
Arterials:	40 mph (Urban)
Collectors:	30 mph (Urban)
Local Street Connectors:	20 mph (Urban)



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

OCTOBER 2019

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

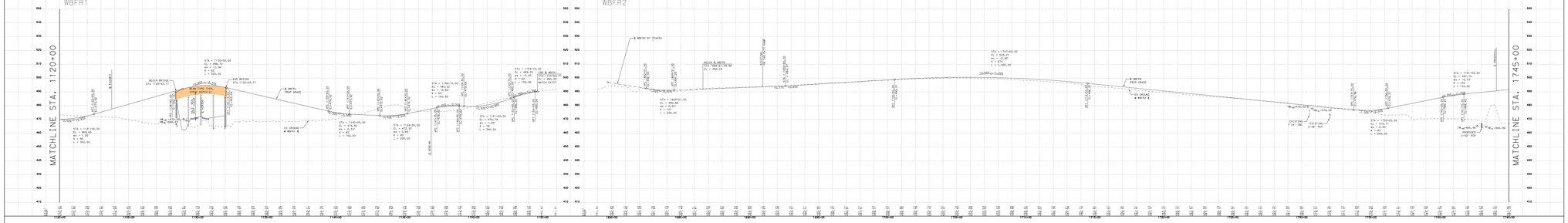
JASON A. RICHTER — 114508 — P.E. NUMBER
ALEXANDER S. KEMP — 133019 — P.E. NUMBER
TEXAS
10/31/2019
DATE

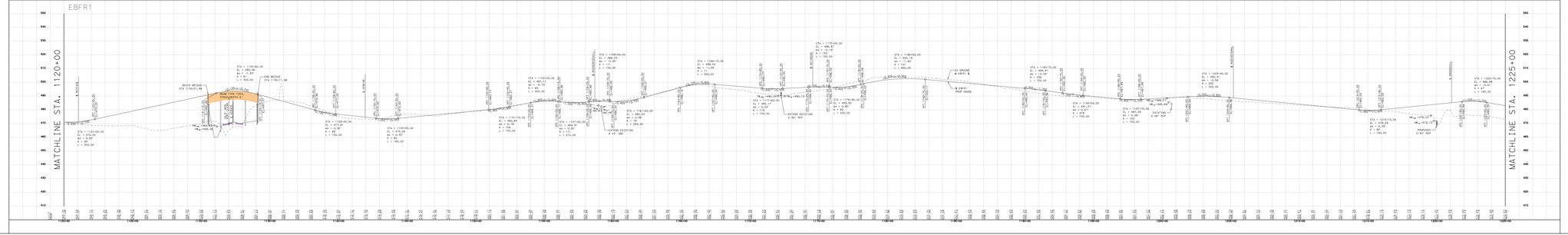
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

100% PRELIMINARY SUBJECT TO CHANGE

ROLL 24 OF 30

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





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Dallas District

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

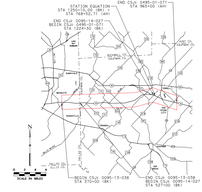
IH 20
DESIGN SCHEMATIC
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes:	70 mph
Ramps:	50 mph
Direct Connectors:	40-50 mph
Turnarounds:	15 mph
Frontage Roads:	40 mph (Urban)
SPUR 561 Frontage Road:	30 mph (Urban)
Arterials:	40 mph (Urban)
Collectors:	30 mph (Urban)
Local Street Connectors:	20 mph (Urban)



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

OCTOBER 2019

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

JASON A. RICHTER — 114508 — P.E. NUMBER
ALEXANDER S. KEMP — 133019 — P.E. NUMBER
TEXAS
10/31/2019
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

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ROLL 24 OF 30

HDR
Firm Registration No. F-754
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972.960.4400

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Dallas District Engineer

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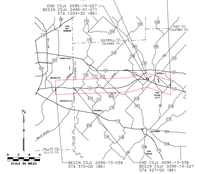

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OCTOBER 2019

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

JASON R. RICHTER — 142028 — P.E. NUMBER
ALEXANDER L. KEMP — 133213 — P.E. NUMBER
10/31/2019 — DATE

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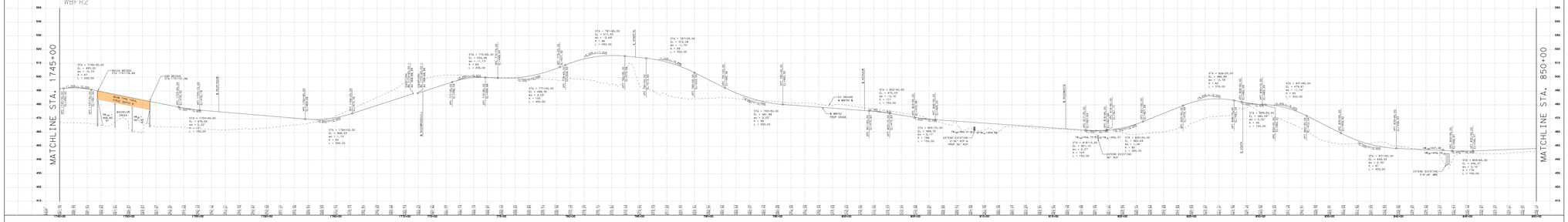
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MATCHLINE STA. 1850+00
STA = 1744+36.00
EL = 495.00
ex = 11.00*
K = 61
L = 200.00
BEGIN MEDIAN
STA 1744+36.00
BEGIN CSJ: 0095-13-038
STA 1745+00 (BA)
STA 1745+00 (AB)
BEGIN CSJ: 0095-14-027
STA 1745+00 (BA)
STA 1745+00 (AB)
END MEDIAN
STA 1751+61.36
STA = 1764+45.00
EL = 468.33
ex = 8.00
K = 83
L = 345.00
STA = 1772+45.00
EL = 505.46
ex = 11.00*
K = 44
L = 245.00
STA = 1774+45.00
EL = 496.52
ex = 11.00*
K = 100
L = 455.00
STA = 1790+00.00
EL = 467.00
ex = 2.07
K = 100
L = 425.00
STA = 1797+45.00
EL = 505.46
ex = 11.00*
K = 44
L = 245.00
STA = 1797+90.00
EL = 497.00
ex = 11.00*
K = 100
L = 455.00
EX GROUND @ 46+52 ±
@ 46+52 PROP GRADE
STA = 1804+70.00
EL = 485.71
ex = 0.17
K = 100
L = 155.00
EXTEND EXISTING 21"RCP @ 46+52
PROP 36" RCP
STA = 1806+25.00
EL = 486.89
ex = 11.00*
K = 44
L = 170.00
STA = 1809+45.00
EL = 479.67
ex = 11.00*
K = 100
L = 455.00
STA = 1814+85.00
EL = 481.13
ex = 6.48*
K = 100
L = 355.00
EXISTING 24"RCP
EXISTING 36" RCP
@ 48+06.39
EXISTING 24"RCP
@ 48+06.39
EXISTING 24"RCP
@ 48+06.39
STA = 1820+45.00
EL = 482.40
ex = 1.78*
K = 100
L = 155.00
STA = 1821+45.00
EL = 479.67
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K = 44
L = 170.00
STA = 1829+45.00
EL = 482.40
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L = 155.00
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K = 100
L = 355.00
STA = 1873+45.00
EL = 479.67
ex = 11.00*
K = 44
L = 170.00
STA =

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
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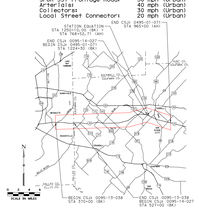

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OCTOBER 2019

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SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

JASON R. RICHTER 114008
NAME P.E. NUMBER

ALEXANDER S. KEMP 133019
NAME P.E. NUMBER

10/31/2019
DATE

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ROLL 26 OF 30

HDR
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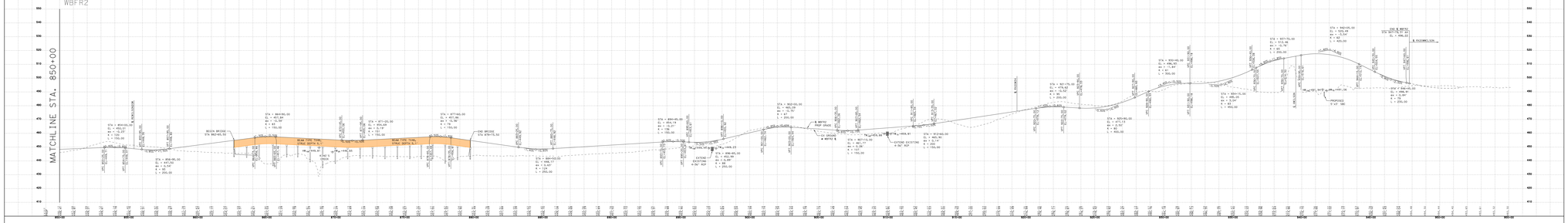

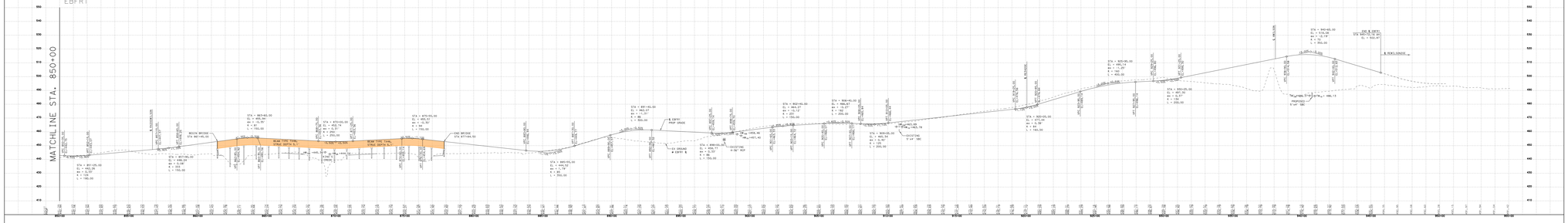

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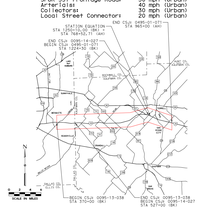

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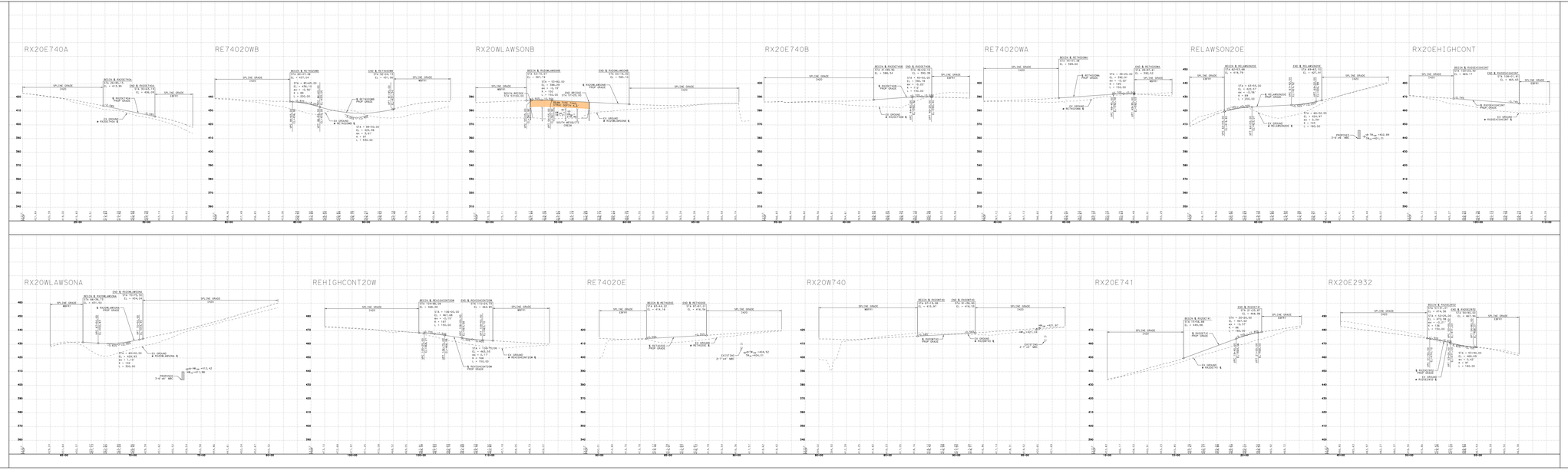

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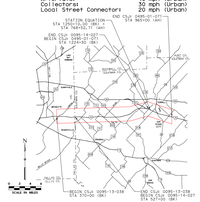

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ROLL 28 OF 30

HDR
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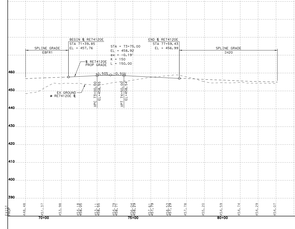
Dallas, Texas 75248
972.960.4400

RE74120E



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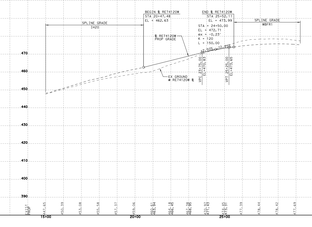

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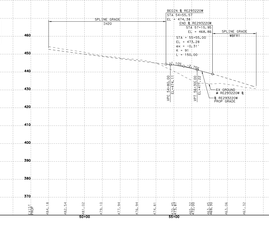

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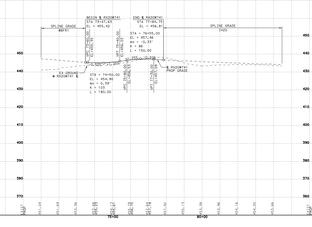

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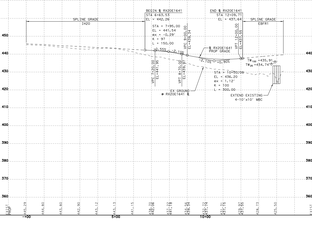

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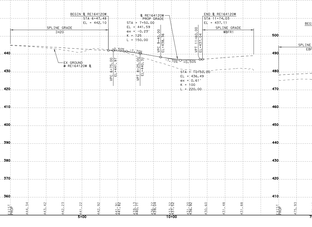

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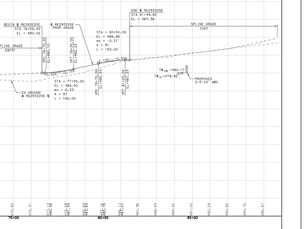

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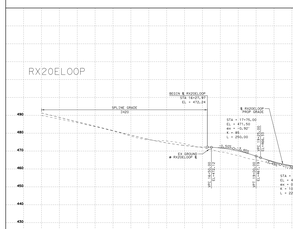

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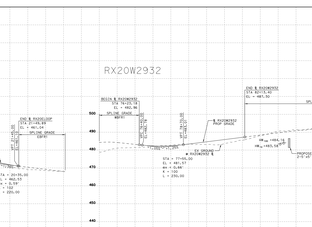

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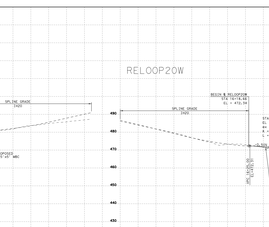

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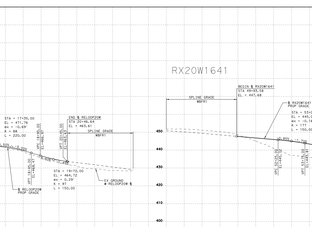

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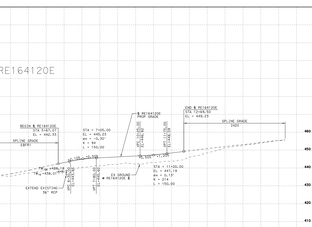

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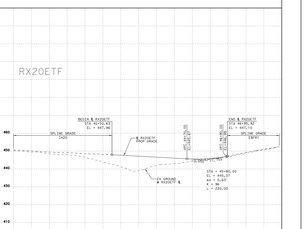

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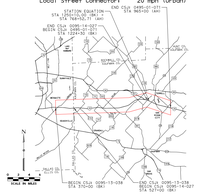


Scale: Horizontal 1"=200'
Scale: Vertical 1"=20'

OCTOBER 2019

PRELIMINARY
SUBJECT TO REVISIONS

SCHEMATIC PREPARED UNDER THE DIRECT SUPERVISION OF:

JASON R. BUCHTA — 114508 — TEXAS — P.E. NUMBER

ALEXANDER S. KEMP — 133213 — TEXAS — P.E. NUMBER

10/31/2019
DATE

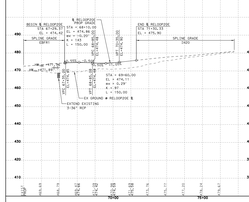
100% PRELIMINARY SUBJECT TO CHANGE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

ROLL 29 OF 30

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

RELOOP20E



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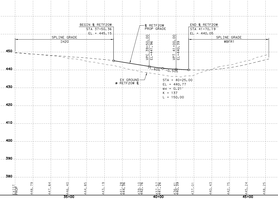

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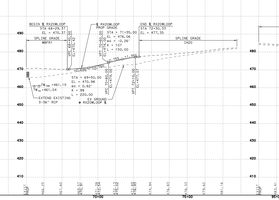

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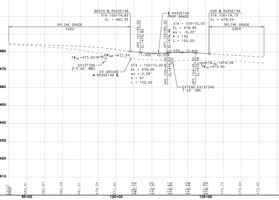

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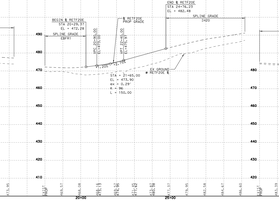

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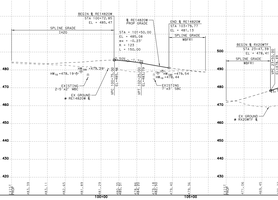

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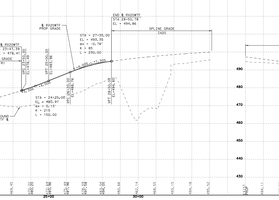
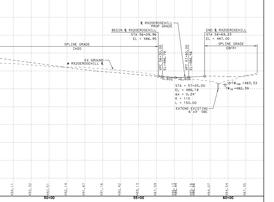


RX20EROSEHILL



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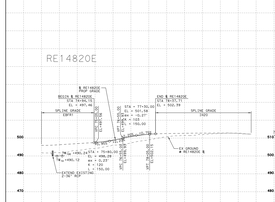

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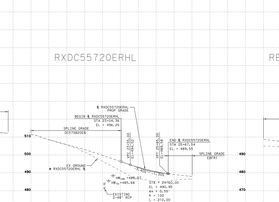

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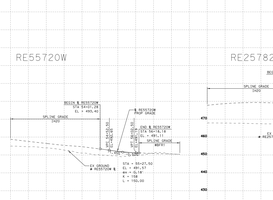

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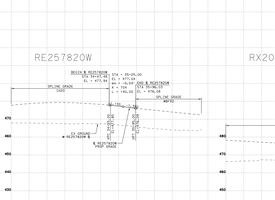

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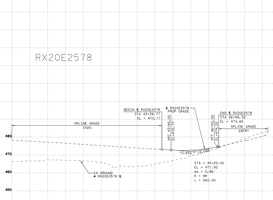

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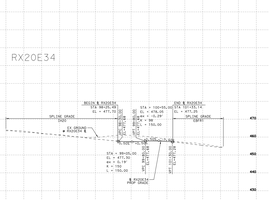

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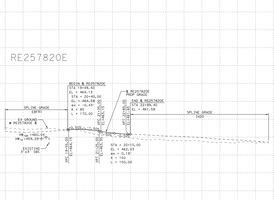

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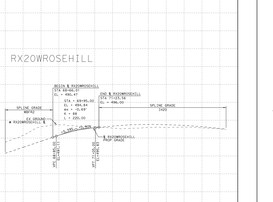

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Dallas District

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

IH 20

DESIGN SCHEMATIC

From: Lawson Road

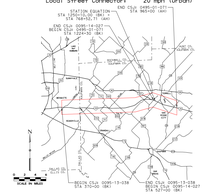
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length: 20.390 Miles
Functional Class

Mainlane = Interstate
Frontage Road = Major Collector

	Design Speed
Mainlanes	70 mph
Ramps	50 mph
Direct Connectors	50 mph
Turnarounds	15 mph
Frontage Roads	40 mph (Urban)
SPUR 557 Frontage Roads	30 mph (Urban)
Arterials	40 mph (Urban)
Collectors	40 mph (Urban)
Local Street Connectors	20 mph (Urban)



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ROLL 29 OF 30

HDR
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Dallas, Texas 75248
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Dallas District Engineer

IH 20
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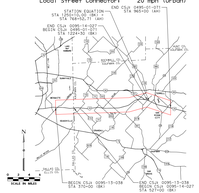
From: Lawson Road
To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length 20.390 Miles
Functional Class

Mainlane - Interstate
Frontage Road - Major Collector

	Design Speed
Mainlanes:	70 mph
Ramps:	50 mph
Direct Connectors:	40-50 mph
Turnarounds:	15 mph
Frontage Roads:	40 mph (Urban)
SPUR 561 Frontage Road:	30 mph (Urban)
Arterials:	40 mph (Urban)
Collectors:	30 mph (Urban)
Local Street Connectors:	20 mph (Urban)



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Scale: Vertical 1"=20'

OCTOBER 2019

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SCHEMATIC PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

JASON A. BICHTER — 114008 — P.E. NUMBER
SIGNATURE
ALEXANDER S. KEMP — 139019 — P.E. NUMBER
SIGNATURE
10/31/2019
DATE

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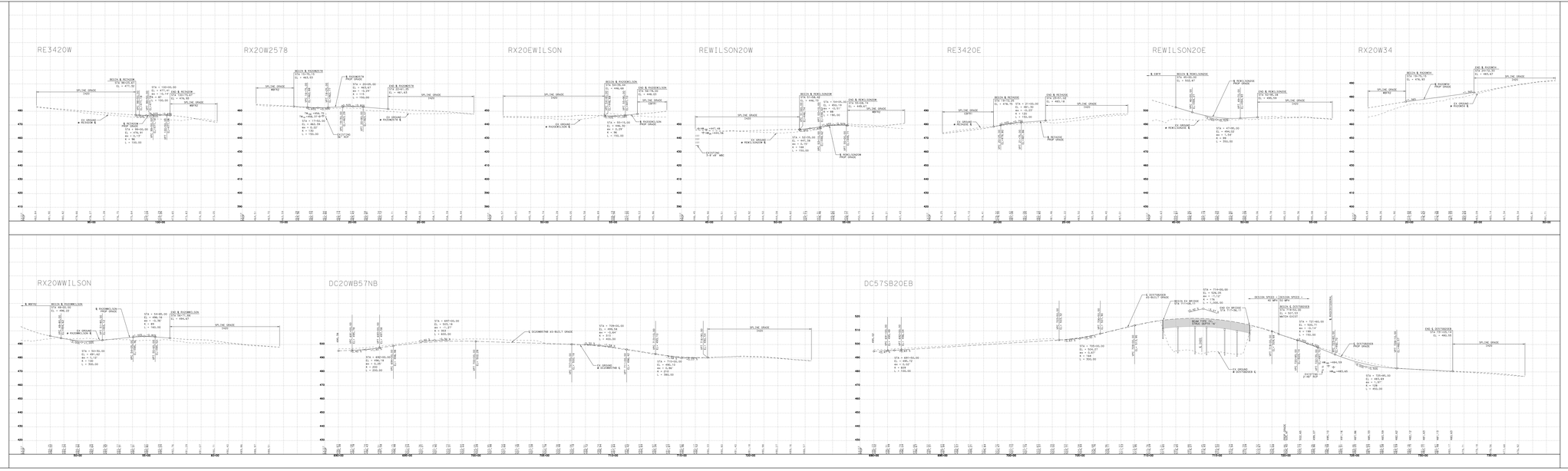

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Dallas District

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

IH 20
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To: East of Wilson Road (CR 138)

CSJ: 0095-13-038
CSJ: 0095-14-027
CSJ: 0495-01-071

Dallas and Kaufman Counties
Project Length 20.390 Miles
Functional Class

Mainlane - Interstate
Frontage Road - Major Collector

	Design Speed
Mainlanes:	70 mph
Ramps:	50 mph
Direct Connectors:	40-50 mph
Turnarounds:	15 mph
Frontage Roads:	40 mph (Urban)
SPUR 561 Frontage Road:	30 mph (Urban)
Arterials:	40 mph (Urban)
Collectors:	30 mph (Urban)
Local Street Connectors:	20 mph (Urban)

Scale: Horizontal 1"=200'
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