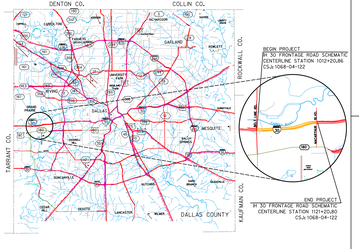
0 100 200 300 400 600
SCALE IN FEET

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

IH 30 FRONTAGE ROADS
DESIGN SCHEMATIC

DALLAS COUNTY
FROM: BELT LINE ROAD
TO: MACARTHUR BLVD.
CONTROL: 1068–04–122
1068–04–142
1068–04–145
DESIGN SPEED: 40 MPH FRONTAGE ROADS
50 MPH RAMPS
20 MPH U–TURN
70 MPH MAINLANES
FUNCTIONAL CLASSIFICATION: INTERSTATE
PROJECT LENGTH: 2.064 MILES



SCALE: VERT. 1" = 10'

ROLL 3 OF 3

OCTOBER 2009

HALFF
4000 FOSSIL CREEK BLVD.
FORT WORTH, TEXAS 76137-2797
TEL (817) 847-1422
FAX (817) 232-9784

NOT A BIDDING DOCUMENT
ENGINEERING FIRM: HALFF ASSOCIATES
FIRM REGISTRATION NUMBER: 312
ENGINEER: DAVID A. BURKETT
P.E. NUMBER: 93888
DATE: OCTOBER, 2009

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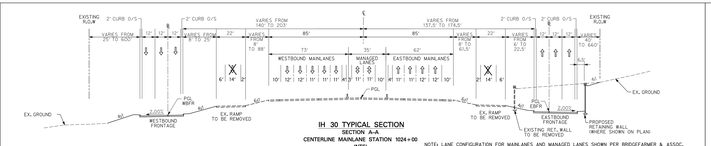
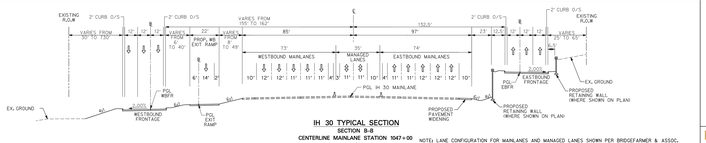


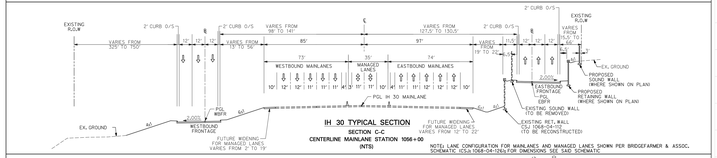
IH 30 TYPICAL SECTION
SECTION A–A
CENTERLINE MAINLANE STATION 1024+00
(NTS)

NOTE: LANE CONFIGURATION FOR MAINLANES AND MANAGED LANES SHOWN PER BRIDGEFARMER & ASSOC. SCHEMATIC (CSJs 1068-04-126) FOR DIMENSIONS SEE SAID SCHEMATIC



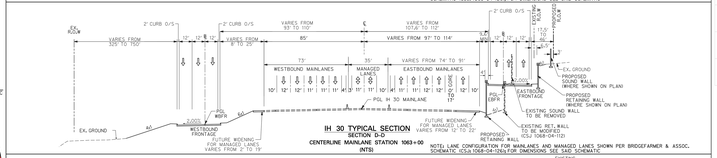
IH 30 TYPICAL SECTION
SECTION B–B
CENTERLINE MAINLANE STATION 1047+00
(NTS)

NOTE: LANE CONFIGURATION FOR MAINLANES AND MANAGED LANES SHOWN PER BRIDGEFARMER & ASSOC. SCHEMATIC (CSJs 1068-04-126) FOR DIMENSIONS SEE SAID SCHEMATIC



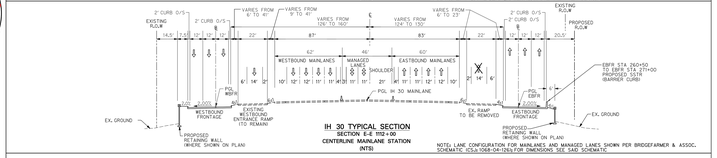
IH 30 TYPICAL SECTION
SECTION C–C
CENTERLINE MAINLANE STATION 1056+00
(NTS)

NOTE: LANE CONFIGURATION FOR MAINLANES AND MANAGED LANES SHOWN PER BRIDGEFARMER & ASSOC. SCHEMATIC (CSJs 1068-04-126) FOR DIMENSIONS SEE SAID SCHEMATIC



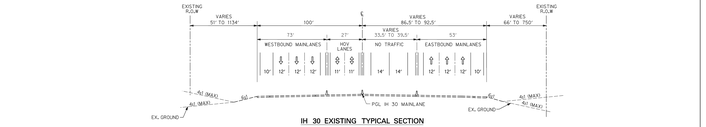
IH 30 TYPICAL SECTION
SECTION D–D
CENTERLINE MAINLANE STATION 1063+00
(NTS)

NOTE: LANE CONFIGURATION FOR MAINLANES AND MANAGED LANES SHOWN PER BRIDGEFARMER & ASSOC. SCHEMATIC (CSJs 1068-04-126) FOR DIMENSIONS SEE SAID SCHEMATIC

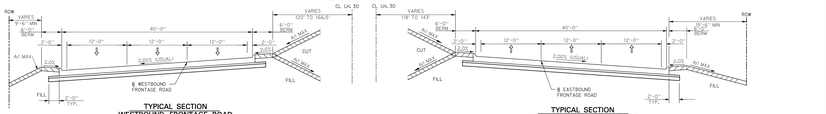


IH 30 TYPICAL SECTION
SECTION E–E 1112+00
CENTERLINE MAINLANE STATION
(NTS)

NOTE: LANE CONFIGURATION FOR MAINLANES AND MANAGED LANES SHOWN PER BRIDGEFARMER & ASSOC. SCHEMATIC (CSJs 1068-04-126) FOR DIMENSIONS SEE SAID SCHEMATIC

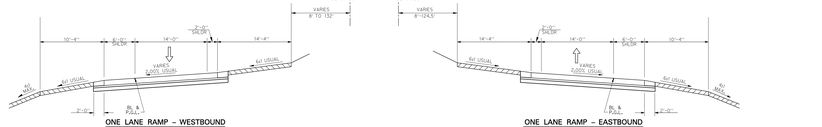


IH 30 EXISTING TYPICAL SECTION



TYPICAL SECTION
WESTBOUND FRONTAGE ROAD
N.T.S.

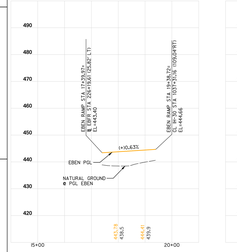
TYPICAL SECTION
EASTBOUND FRONTAGE ROAD
N.T.S.



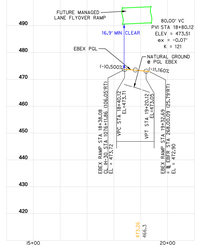
ONE LANE RAMP – WESTBOUND
N.T.S.

ONE LANE RAMP – EASTBOUND
N.T.S.

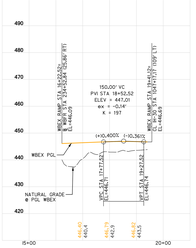
EASTBOUND ENTRANCE RAMP



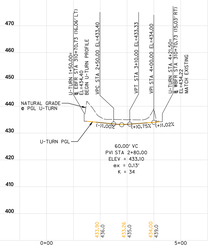
EASTBOUND EXIT RAMP

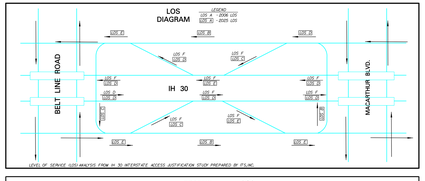


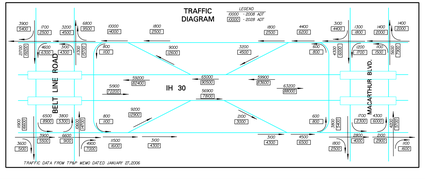
WESTBOUND EXIT RAMP



U-TURN AT MACARTHUR BLVD.







SUPERELEVATION DATA

RAMP EBEX

STATION	CROSS SLOPE
EBEX 18+50	-3.0%
EBEX 23+52	-3.0%
EBFR 275+70	+2.0%

EBFR

STATION	CROSS SLOPE
EBFR 336+26	-2.0%
EBFR 338+58	+3.0%

WBFR

STATION	CROSS SLOPE
WBFR 297+12	-2.0%
WBFR 332+78	+4.0%

HORIZONTAL CURVE DATA

EBFR-9
Pt STA 211+88.11 N
Δ= 10° 28' 49" (LT)
R= 11,620.00'
T= 1,065.72'
L= 2,225.50'
Chord= N 89° 05' 53" E
2,222.54'

EBFR-10
Pt STA 229+71.80
Δ= 1° 14' 49" (RT)
R= 11,460.00'
T= 124.72'
L= 249.43'
Chord= N 84° 28' 53" E
249.43'

EBFR-11
Pt STA 240+82.82 N
Δ= 0° 38' 40" (LT)
R= 11,460.00'
T= 64.46'
L= 128.92'
Chord= N 84° 46' 58" E
128.92'

EBFR-12
Pt STA 244+83.72 N
Δ= 0° 38' 40" (RT)
R= 11,460.00'
T= 64.46'
L= 128.91'
Chord= N 84° 46' 58" E
128.91'

EBFR-13
Pt ST 272+43.29 N
Δ= 16° 53' 00" (LT)
R= 5,810.00'
T= 874.63'
L= 1,736.60'
Chord= N 76° 31' 47" E
1,730.28'

EBFR-14
Pt STA 297+71.05 N
Δ= 21° 18' 02" (RT)
R= 5,500.00'
T= 1,034.37'
L= 2,046.22'
Chord= N 78° 48' 17" E
2,035.96'

WBFR-10
Pt STA 207+70.98 N
Δ= 3° 22' 28" (LT)
R= 11,275.00'
T= 332.01'
L= 664.04'
Chord= S 88° 55' 47" E
663.94'

WBFR-11
Pt STA 218+86.96 N
Δ= 4° 21' 47" (LT)
R= 11,730.00'
T= 446.27'
L= 892.47'
Chord= N 87° 11' 12" E
892.24'

WBFR-12
Pt STA 233+01.49 N
Δ= 1° 00' 43" (RT)
R= 11,460.00'
T= 101.53'
L= 219.06'
Chord= N 85° 39' 10" E
219.06'

WBFR-13
Pt STA 243+47.83 N
Δ= 1° 00' 43" (LT)
R= 11,460.00'
T= 101.53'
L= 219.06'
Chord= N 85° 39' 09" E
219.05'

WBFR-14
Pt STA 257+69.56 N
Δ= 3° 46' 12" (LT)
R= 6,000.00'
T= 197.48'
L= 394.81'
Chord= N 83° 13' 12" E
394.74'

WBFR-15
Pt STA 263+55.25 N
Δ= 3° 58' 19" (RT)
R= 11,200.00'
T= 388.00'
L= 776.41'
Chord= N 83° 19' 15" E
776.26'

WBFR-16
Pt STA 270+80.88 N
Δ= 17° 01' 06" (LT)
R= 3,500.00'
T= 337.57'
L= 671.07'
Chord= N 79° 47' 53" E
672.23'

WBFR-17
Pt STA 277+15.90 N
Δ= 6° 08' 03" (LT)
R= 5,990.00'
T= 299.52'
L= 598.79'
Chord= N 71° 13' 17" E
598.19'

WBFR-18
Pt STA 297+23.73 N
Δ= 31° 38' 51" (RT)
R= 5,870.00'
T= 1,004.88'
L= 2,083.82'
Chord= N 78° 48' 44" E
2,071.24'

EBEX-1
Pt STA 12+83.11 N
Δ= 5° 33' 31" (LT)
R= 6,030.00'
T= 293.71'
L= 585.76'
Chord= N 82° 53' 16" E
585.53'

EBEX-2
Pt STA 21+85.69
Δ= 5° 00' 00" (RT)
R= 6,230.00'
T= 263.28'
L= 526.22'
Chord= N 82° 36' 18" E
526.05'

EBEX-3
Pt STA 10+91.64 N
Δ= 1° 45' 00" (RT)
R= 6,000.00'
T= 91.64'
L= 183.26'
Chord= N 85° 58' 48" E
183.25'

EBEX-2
Pt STA 22+27.46 N
Δ= 12° 17' 58" (LT)
R= 3,870.00'
T= 417.33'
L= 829.97'
Chord= N 80° 42' 19" E
749.89'

WBEX-1
Pt STA 12+10.57 N
Δ= 4° 00' 00" (RT)
R= 6,030.00'
T= 210.57'
L= 420.97'
Chord= N 87° 06' 18" E
420.89'

WBEX-2
Pt STA 24+27.10 N
Δ= 4° 00' 00" (LT)
R= 6,030.00'
T= 210.57'
L= 420.97'
Chord= N 87° 06' 18" E
420.89'

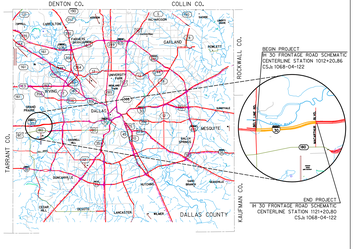
0 100 200 300 400 600
SCALE IN FEET

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

IH 30 FRONTAGE ROADS
DESIGN SCHEMATIC

DALLAS COUNTY
FROM: BELT LINE ROAD
TO: MACARTHUR BLVD.
CONTROL: 1068–04–122
1068–04–142
1068–04–145
DESIGN SPEED: 40 MPH FRONTAGE ROADS
50 MPH RAMPS
20 MPH U–TURN
70 MPH MAINLANES
FUNCTIONAL CLASSIFICATION: INTERSTATE
PROJECT LENGTH: 2.064 MILES



SCALE: VERT. 1" = 10'

ROLL 3 OF 3

OCTOBER 2009

HALFF
4000 FOSSIL CREEK BLVD.
FORT WORTH, TEXAS 76137-2797
TEL (817) 847-1422
FAX (817) 232-9784

NOT A BIDDING DOCUMENT
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FIRM REGISTRATION NUMBER: 312
ENGINEER: DAVID A. BURKETT
P.E. NUMBER: 93888
DATE: OCTOBER, 2009

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