ROLL 1 OF 3

DRAFT SCHEMATIC

Texas Department of Transportation
AUSTIN DISTRICT
ROLLING PLAINS

PRELIMINARY DESIGN SCHEMATIC FOR: IH 35 AT E. RIVERSIDE DR. OPERATIONAL IMPROVEMENTS AUSTIN, TX TRAVIS COUNTY

FROM: SOUTH OF HOLLY ST
TO: SOUTH OF ST. EDWARD'S

ADDITION OF 4 PAVED MEDIAN BUS STOP UNITS AND ASSOCIATED ADA IMPROVEMENTS, BRIDGE TRAVEL LANES AND PEDESTRIAN BRIDGE ABOVE TRAVEL LANES
TRAVIS COUNTY, TEXAS
CSJ: 0015-13-381
PROJECT ID: 25000-000-000
DESIGN BASELINE: FINAL RDW OCT 2014

STATION	LOCATION/DESCRIPTION	DESIGN SPEED
IH 35 MAINLANES	HOLLY ST TO ST. EDWARD'S	55 MPH
IH 35 NB EXIT RAMP	RIVERSIDE DRIVE	45 MPH
IH 35 NB BYPASS LANES	RIVERSIDE DRIVE	45 MPH
IH 35 SB BYPASS LANES	RIVERSIDE DRIVE	45 MPH
IH 35 SB EXIT RAMP	RIVERSIDE DRIVE	45 MPH
IH 35 SB FRONTAGE	RIVERSIDE DRIVE	35 MPH
IH 35 NB FRONTAGE	RIVERSIDE DRIVE	35 MPH
IH 35 NB	RIVERSIDE DRIVE TO ST. EDWARD'S	55 MPH

VICINITY MAP: NTS
EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROAD CROSSINGS: NONE

SURVEY DATA: TEXAS CENTRAL ZONE NAD83 (TRAVIS COUNTY)

PRELIMINARY

SUBMITTED FOR REVIEW
BY: Michael Lee Gonzalez P.E. (TEXAS)
STATING
DATE: 01/13/2014
NOT FOR CONSTRUCTION, BIDDING OR PURCHASING

RECOMMENDED FOR APPROVAL BY:
DISTRICT ENGINEER
APPROVED BY:
FHWA PERSONNEL

ATKINS
9504 Bridge Point Pkwy, Suite 200
Austin, Texas 78759
512-327-6445 TEL
512-327-2853 FX

ROLL 1 OF 3

mobility 35 CORRIDOR

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DIN.N.S.S.	STATE	DIST.	COUNTY	ROLL NO.
DIN.N.S.S.	TEXAS	AUS	TRAVIS	1
DIN.N.S.S.	CONT.	SECT.	JOB	HIGHWAY NO.
DIN.N.S.S.	0015	13	381	IH 35

NO. OF SHEETS	STATION	OFFSET	Y	X	ELEVATION	DESCRIPTION
1	1000+00.00	0.00	10,000,000.00000	3,000,000.00000	1000.00	ALIGNMENT

NOTE: ALL BEARINGS ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM NAD 83, ALL DISTANCES ARE HORIZONTAL SURFACE DISTANCES UNLESS OTHERWISE NOTED. ALL COORDINATES ARE SHOWN IN SURVEY FEET. ALL ELEVATIONS ARE BASED ON MEAN SEA LEVEL. ALL DIMENSIONS, ELEVATIONS, COORDINATES, STATIONS, ETC. ARE PRELIMINARY AND MUST BE ADJUSTED TO FINAL CONDITIONS.

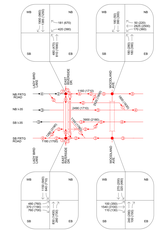
PLAN VIEW LEGEND
- PROPOSED CENTER LINE/BASELINE
- EXISTING ROW
- EXISTING LINES
- REMOVAL
- PROPOSED ROW/EASEMENT/RESTRIPE
- MAINLANE RECONSTRUCTION
- PROPOSED BRIDGE
- FRONTAGE ROAD RECONSTRUCTION
- PROPOSED NUMBER OF LANES
- FRONTAGE ROAD WIDENING
- PROPOSED TRAFFIC SIGNAL
- SECONDARY FLOWS
- BYPASS LANES/RAMP
- PEDESTRIAN/BICYCLE FACILITIES
- ADA PROJECTS, BY OTHERS
- RETAINING WALL
- PEDESTRIAN BRIDGE (UNDER BRIDGE)
- STRUCTURAL COLUMNS
- OVERHEAD FIBER OPTIC
- OVERHEAD TELEPHONE
- OVERHEAD CABLE
- OVERHEAD ELECTRIC
- GAS
- WATER
- RESTORATION
- EXISTING CULVERT/DRAINAGE
- EXISTING CAPACITY
- MIXED CAPACITY

PROFILE LEGEND
- EXISTING GROUND
- PROFILE GRADE LINE
- EXISTING GROUND
- PROPOSED GROUND

LINE LEGEND
- PROPOSED IMPROVEMENTS
- EXISTING LINES
- PROPOSED NUMBER OF LANES
- EXISTING NUMBER OF LANES
- PROPOSED ROW
- ROW/EASEMENT
- PROPOSED TRAFFIC SIGNAL
- 2025 AVERAGE DAILY TRAFFIC
- 2025 PEAK HOUR VOLUMES

NOTES:
1. EXISTING UNDERGROUND STRUCTURES SHOWN INCLUDE MAJOR UTILITIES ONLY.
2. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN WERE OBTAINED FROM THE UTILITY OWNERS. THE LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR MUST NOTIFY UTILITY OWNERS PRIOR TO BEGINNING CONSTRUCTION.

2025 TRAFFIC VOLUME DIAGRAM


NB-AM
NB-PM
SB-AM
SB-PM
NB-MIDDAY
SB-MIDDAY
NB-OFFPEAK
SB-OFFPEAK
NB-ADT
SB-ADT
NB-AMPEAK
SB-AMPEAK
NB-PMPEAK
SB-PMPEAK

ROLL 2 OF 3

90% SCHEMATIC

Texas Department of Transportation

AUSTIN DISTRICT

CSJ: 0015-13-381

PRELIMINARY DESIGN SCHEMATIC FOR: IH 35 AT E. RIVERSIDE DR. OPERATIONAL IMPROVEMENTS AUSTIN, TX TRAVIS COUNTY

FROM: SOUTH OF HOLLY ST

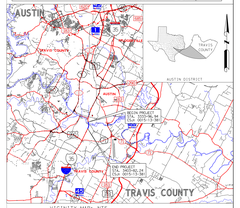
TO: NORTH OF OLTORF ST

ADDITION OF ACCELERATION LANES, DECELERATION LANES AND ASSOCIATED RAMP/FRAME REPAIRS/MODIFICATIONS, BYPASS LANES AND ASSOCIATED RAMP/FRAME REPAIRS/MODIFICATIONS

LENGTH OF BRIDGE (L-R): 1,186 BRIDGE
LENGTH OF BRIDGE (L-R): 1,186 BRIDGE
LENGTH OF BRIDGE (L-R): 1,186 BRIDGE
AREA OF BRIDGE: 71,160 SQ. FT.
Sept 15

DESIGN BASIS: TxDOT RDW OCT 2014

FACILITY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED	POST SPEED
IH 35 MAINLANES	URBAN FREEWAY	55 MPH	55 MPH
FRONTAGE	URBAN COLLECTOR/URBAN STREETS	35 MPH	POST SPEED
RAMPS	URBAN FREWAY	35 MPH	POST SPEED
BYPASS LANES	URBAN FREWAY	35 MPH	30mi/hr, 60%
RIVERSIDE DRIVE	URBAN ARTERIAL	35 MPH	30mi/hr, 60%
SUPERLANES	URBAN FREWAY	55 MPH	TRUCK 70%
CROSSROADS	URBAN LOCAL ROADS AND STREETS	35 MPH	



VICINITY MAP: MTS
EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROAD CROSSINGS: NONE

SURVEY DATA: TEXAS CENTRAL ZONE NAD83 (TRAVIS COUNTY)

HORZ SCALE: 1"=100'
VERT SCALE: 1"=10'

PRELIMINARY

SUBMITTED FOR REVIEW

BY MICHAEL J. SASYLYSHYN,P.E.,113024

ATKINS

DATE 8/27/2015

NOT FOR CONSTRUCTION, BIDDING OR RECORDING

RECOMMENDED FOR APPROVAL BY:

TxDOT DISTRICT

APPROVED BY:

FIRM PERSONNEL

ATKINS
SAFE, WELL, WE LIVE
8504 Bridge Point Pkwy, Suite 200
Austin, TX 78759-8287
512-327-6400 PH
512-327-2453 FX

ROLL 2 OF 3

mobility CAPITAL AREA 35

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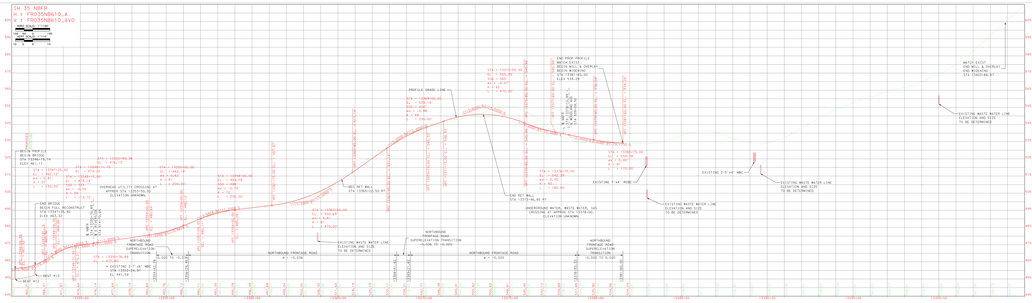
DGN: M_E_SL	STATE	DIST.	COUNTY		ROLL NO.
CON: M_N_SL	TEXAS	AUS	TRAVIS		2
DWG: M_E_SL	CONT.	SECT.	JOB	HIGHWAY NO.	
DWG: M_N_SL	0015	13	381	IH 35	


IH 35 NBFR
M = FR0350NB610_A
V = FR0350NB610_AVO
BEGIN PROFILE
STA 1000+00.00
END PROFILE
STA 1118+86.00
PROFILE GRADE LINE
END PROP PROFILE
BEGIN EXISTING BRIDGE
STA 1000+00.00
END EXISTING BRIDGE
STA 1118+86.00
BRIDGE MEDIAN - WATER EXISTING
LADY BIRD LANE
EXISTING GROUND
EXISTING 2-0" WBC
EXISTING 1'-6" WBC
EXISTING WATER WATER LINE
ELEVATION AND SIZE
TO BE DETERMINED
UNDERGROUND WATER, WASTE WATER, GAS
CROSSING AT APPROX STA 1010+00
ELEVATION UNKNOWN
NORTHBOUND
FRONTAGE ROAD
SUPERELEVATION TRANSITION
SLOPE: TO -2% ±400'
NORTHBOUND FRONTAGE ROAD
W = 16.00'
OVERHEAD UTILITY CROSSING AT
APPROX STA 1103+00.00
ELEVATION UNKNOWN
END BEC WALL
STA 1101+00.00 L.T.
END BEC WALL
STA 1101+00.00 L.T.
BEGIN PROFILE
STA 1101+00.00
END PROFILE
STA 1101+00.00

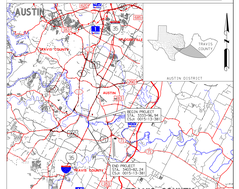
Texas Department of Transportation
AUSTIN DISTRICT
CSJ: 0015-13-381

PRELIMINARY DESIGN SCHEMATIC FOR: IH 35 AT E. RIVERSIDE DR. OPERATIONAL IMPROVEMENTS AUSTIN, TX TRAVIS COUNTY

FROM: SOUTH OF HOLLY ST
TO: NORTH OF OLTORF ST

ADDITION OF ONE LANE TO MAINLANES, SHOULDERS WITH AND ASSOCIATED RAMPS, EXPRESSWAYS, BYPASS LANES AND FRONTAGE ROADS WITHIN LIMITS OF PROJECT
LENGTH OF BRIDGE (1-35) 0.0 MILES
LENGTH OF BRIDGE (1-35) 0.0 MILES
TOTAL LENGTH OF PROJECT 1.0 MILES
Route No. 35
DESIGN BASIS: TxDOT RDW OCT 2014

FACILITY	FUNCTIONAL CLASSIFICATION	MAXIMUM SPEED	MIN. VERT. CLEARANCE
MAINLANES	URBAN FREEWAY	55 MPH	16'-0"
FRONTAGE	URBAN COLLECTOR/URBAN STREETS	35 MPH	
RAMPS	URBAN FREEWAY	35 MPH	16'-0" (ADD 1'-0" PER LANE)
BYPASS LANES	URBAN FREEWAY	35 MPH	
RIVERSIDE DRIVE	URBAN ARTERIAL	35 MPH	Dim=4.80M
TURNAROUNDS	URBAN FREEWAY	35 MPH	TRUCK-17ft
SURROUNDING	URBAN LOCAL ROADS AND STREETS	30 MPH	


AUSTIN
Austin
Travis County
Austin Bergstrom Int'l Arpt
Austin Int'l Arpt
Austin Int'l Arpt
Austin