4/8/2019

Texas Department of Transportation

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GEOMETRIC DESIGN EXHIBIT
LOOP 360 AT WESTLAKE DR

UNDERPASS AT WESTLAKE DRIVE
AND AT CEDAR STREET

WSP USA Inc
1601 S MoPac Expy, Suite 325
Austin, TX 78746
TEL: 737.703.3900
TBPE F-2263

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TEXAS DEPARTMENT OF TRANSPORTATION
AUSTIN DISTRICT
TRAVIS COUNTY

TERRY McCOY, P.E. - DISTRICT ENGINEER
AUSTIN DISTRICT

CSJ: 0113-13-166

CURRENT ADT:
2020: 52,050

PROJECTED ADT:
2040: 71,700

LOOP 360
GEOMETRIC DESIGN EXHIBIT

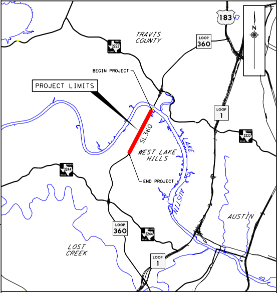
FROM SOUTH OF WAYMAKER WAY TO LAKE AUSTIN

NET LENGTH OF PROJECT:
10,118.84 FEET = 1.916 MILES

ROADWAY:
10,118.84 FEET = 1.916 MILES

BRIDGE:
0 FEET = 0 MILES

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	URBAN ARTERIAL	60 MPH
FRONTAGE ROADS	URBAN COLLECTOR	45 MPH
RAMPS	RAMPS	50 MPH
SIDE STREETS	URBAN MINOR ARTERIAL	30 MPH


183
TRAVIS COUNTY
LOOP 360
2222
N
BEGIN PROJECT
PROJECT LIMITS
LOOP 1
2222
SL360
LAKE
WEST LAKE HILLS
2244
END PROJECT
AUSTIN
AUSTIN
LOOP 360
2244
LOST CREEK
LOOP 1

LOCATION MAP N.T.S.
SURVEY DATA: TEXAS CENTRAL ZONE #4203 (TRAVIS COUNTY)
ADJUSTED TO SURFACE USING COMBINED SCALE FACTOR 1.00011

SCALE

HORZ SCALE: 1"=100'
0 50 100

DESIGN STANDARDS USED
TXDOT ROADWAY DESIGN MANUAL: 2018
TXDOT HYDRAULIC DESIGN MANUAL: 2016
TRB HIGHWAY CAPACITY MANUAL: 2010
TEXAS MANUAL OF UNIFORM CONTROL DEVICES: 2011

DESIGN VALUES USED
SUPER ELEVATION MAX (emax) = 6%

BRIDGES
WESTLAKE DR NBI NUMBER: TBD
CEDAR CREEK NBI NUMBER: TBD

SURVEY

NOT A BIDDING DOCUMENT
4/8/2019
DATE

JOSE M. SANDOVAL, P.E.
P.E. #90593
PROJECT MANAGER

SUBMITTED FOR APPROVAL FOR FURTHER PROJECT DEVELOPMENT

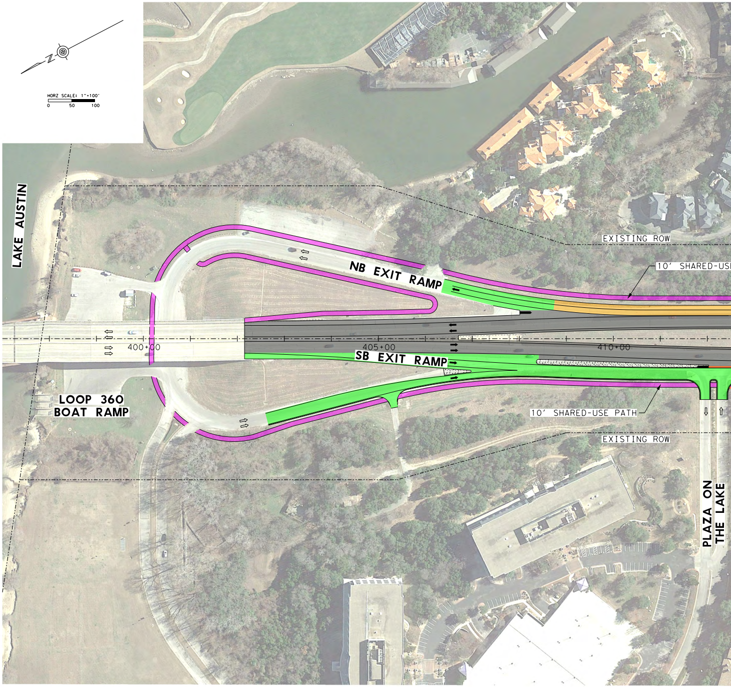
RECOMMENDED BY LUCAS SHORT, P.E.
ROADWAY TEAM LEADER

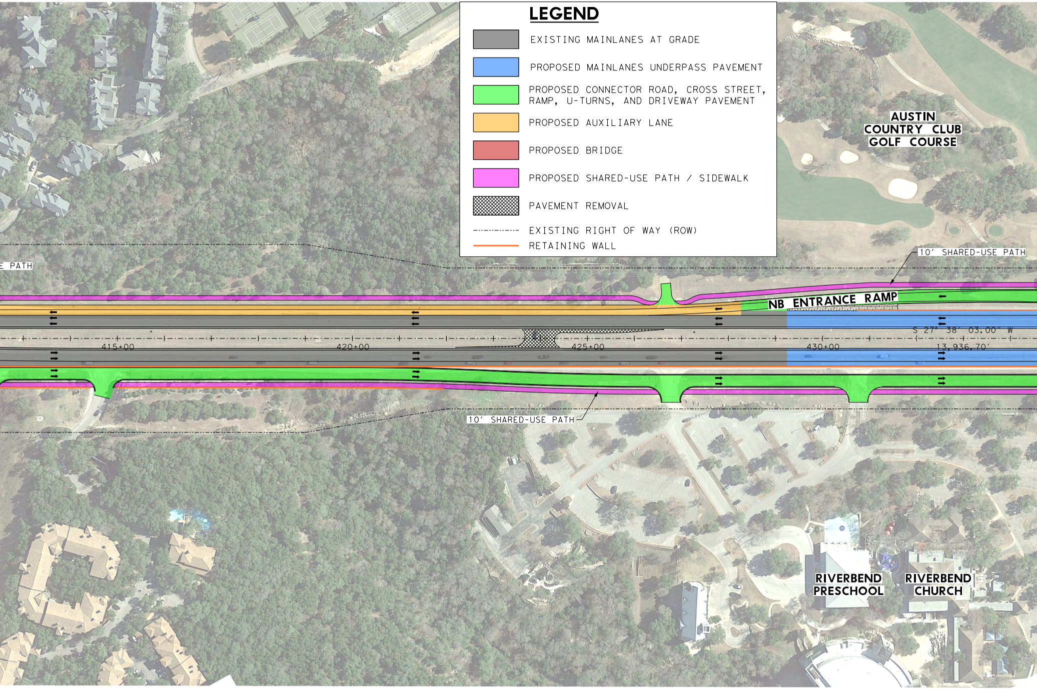
RECOMMENDED BY DWAYNE HALBARDIER, P.E.
DISTRICT DESIGN ENGINEER

RECOMMENDED BY EPIGMENIO GONZALEZ, P.E.
AREA ENGINEER

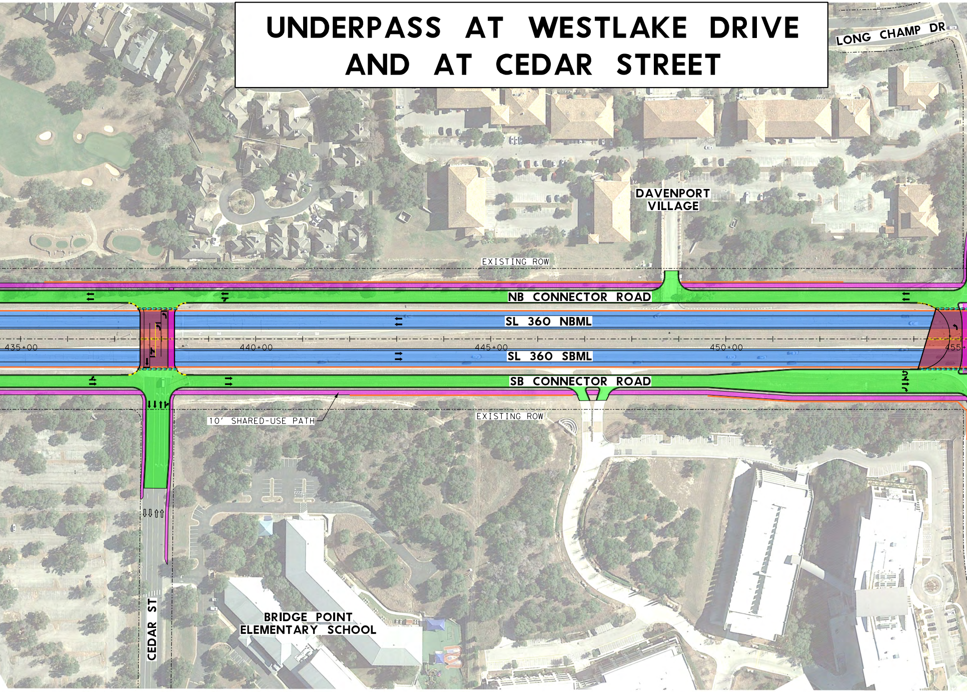
APPROVED BY MARISABEL RAMTHUN, P.E.
DIRECTOR, TRANSPORTATION PLANNING & DEVELOPMENT

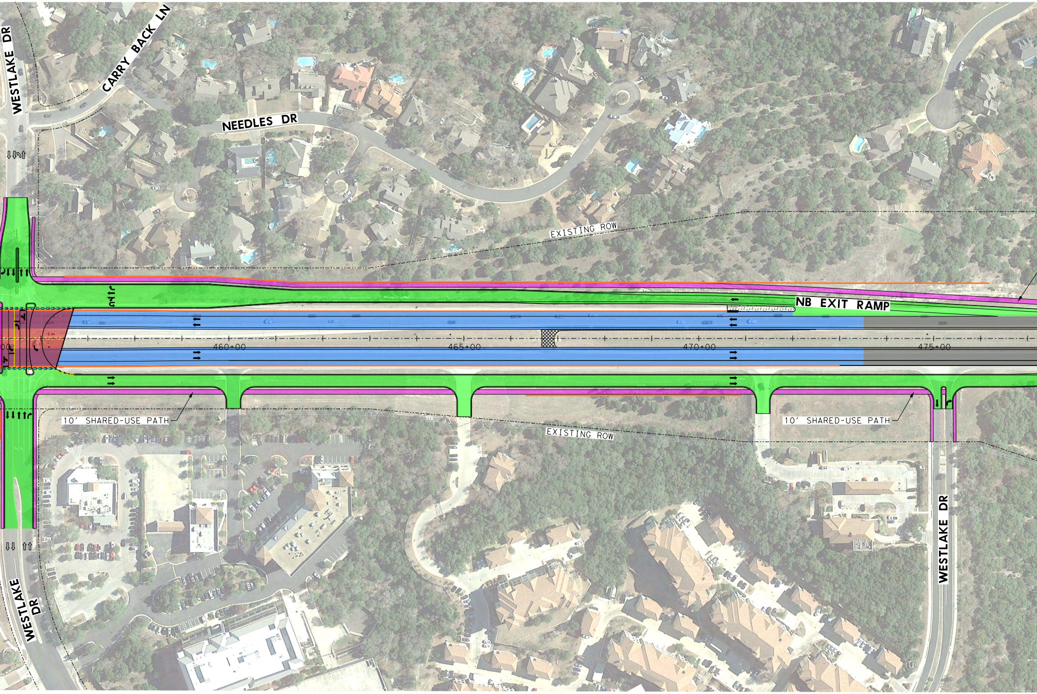
STATE	DIST.	COUNTY	
TEXAS	AUS	TRAVIS	
CONT.	SECT.	JOB	HIGHWAY NO.
0113	13	166	LOOP 360

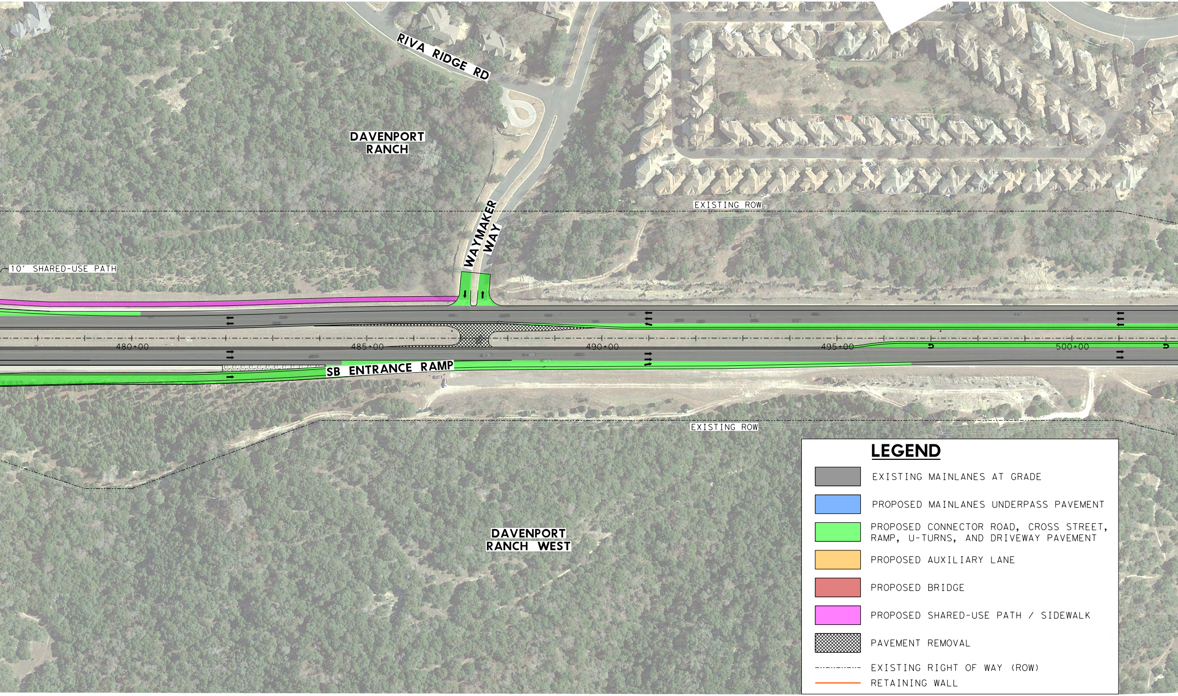

N
HORZ SCALE: 1"=100'
0 50 100
LAKE AUSTIN
EXISTING ROW
10' SHARED-USE
NB EXIT RAMP
400+00
405+00
410+00
SB EXIT RAMP
LOOP 360 BOAT RAMP
10' SHARED-USE PATH
EXISTING ROW
PLAZA ON THE LAKE


LEGEND
EXISTING MAINLANES AT GRADE
PROPOSED MAINLANES UNDERPASS PAVEMENT
PROPOSED CONNECTOR ROAD, CROSS STREET, RAMP, U-TURNS, AND DRIVEWAY PAVEMENT
PROPOSED AUXILIARY LANE
PROPOSED BRIDGE
PROPOSED SHARED-USE PATH / SIDEWALK
PAVEMENT REMOVAL
EXISTING RIGHT OF WAY (ROW)
RETAINING WALL
AUSTIN COUNTRY CLUB GOLF COURSE
E PATH
10' SHARED-USE PATH
NB ENTRANCE RAMP
S 27° 38' 03.00" W
415+00
420+00
425+00
430+00
13,936.70'
10' SHARED-USE PATH
RIVERBEND PRESCHOOL
RIVERBEND CHURCH

UNDERPASS AT WESTLAKE DRIVE AND AT CEDAR STREET


LONG CHAMP DR
DAVENPORT VILLAGE
EXISTING ROW
NB CONNECTOR ROAD
SL 360 NBML
435+00
440+00
445+00
450+00
455+
SL 360 SBML
SB CONNECTOR ROAD
10' SHARED-USE PATH
EXISTING ROW
BRIDGE POINT ELEMENTARY SCHOOL
CEDAR ST


WESTLAKE DR
CARRY BACK LN
NEEDLES DR
EXISTING ROW
NB EXIT RAMP
460+00
465+00
470+00
475+00
10' SHARED-USE PATH
EXISTING ROW
10' SHARED-USE PATH
WESTLAKE DR
WESTLAKE DR


RIVA RIDGE RD
DAVENPORT RANCH
EXISTING ROW
WAYMAKER WAY
10' SHARED-USE PATH
480+00
485+00
490+00
495+00
500+00
SB ENTRANCE RAMP
EXISTING ROW
DAVENPORT RANCH WEST
LEGEND
EXISTING MAINLANES AT GRADE
PROPOSED MAINLANES UNDERPASS PAVEMENT
PROPOSED CONNECTOR ROAD, CROSS STREET, RAMP, U-TURNS, AND DRIVEWAY PAVEMENT
PROPOSED AUXILIARY LANE
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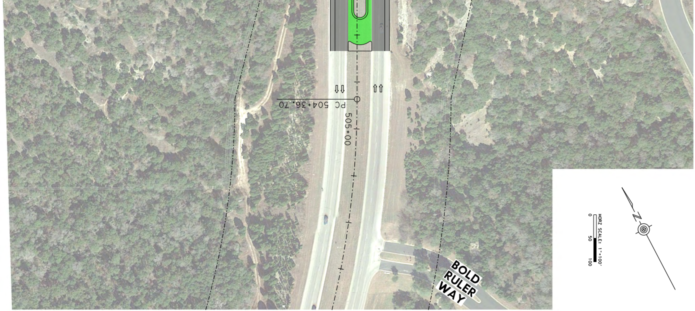
PAVEMENT REMOVAL
EXISTING RIGHT OF WAY (ROW)
RETAINING WALL



PC 504+36.70
505+00
BOLD RULER WAY
HORZ SCALE: 1"=100'
0
50
100
N

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