SL 360 at RM 2222 and Courtyard Drive
Historical PCR Attachments

LIST OF ATTACHMENTS:

- **Project Area Map** (3 pages)
- **Historic Resource Correspondence** (8 pages)
- **Project Area Photographs** (3 pages)
- **Preliminary Plans** (1 page)

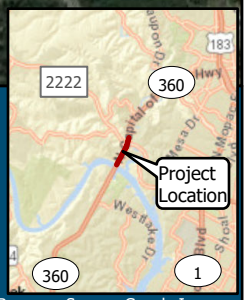
Historic APE - Overview

State Loop 360

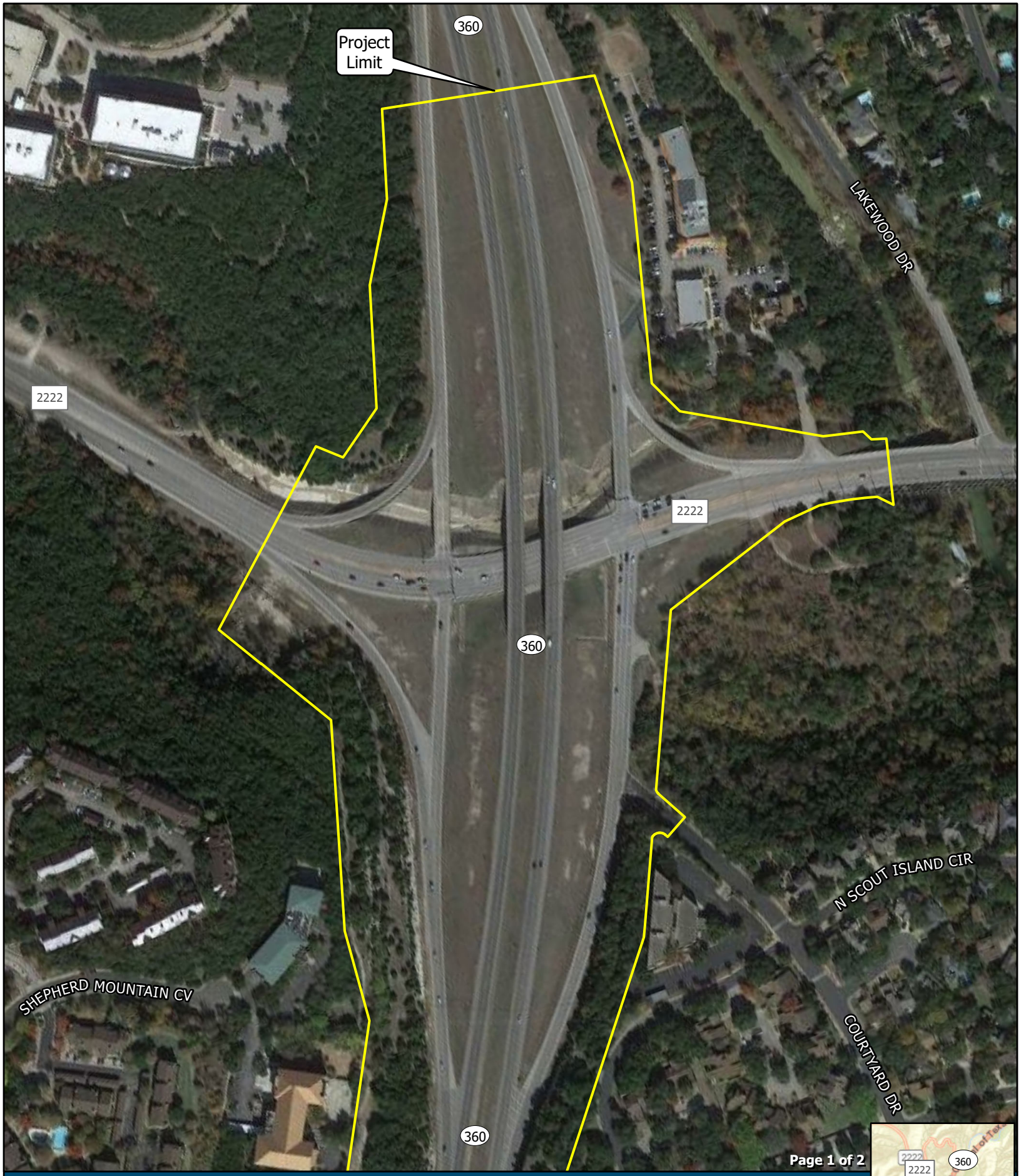
At RM 2222 and Courtyard Drive
CSJs: 0113-13-168 & 2100-01-065

Existing ROW/APE
Survey Study Area

Feet
0 250 500



Basemap Source: Google Imagery



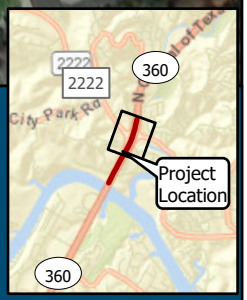
Historic APE

State Loop 360

At RM 2222 and Courtyard Drive
CSJs: 0113-13-168 & 2100-01-065

Existing ROW/APE
Survey Study Area

Feet
0 100 200



Basemap Source: Google Imagery

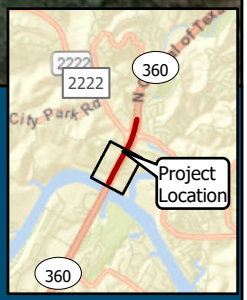
Historic APE

State Loop 360

At RM 2222 and Courtyard Drive
CSJs: 0113-13-168 & 2100-01-065

Existing ROW/APE
Survey Study Area

Feet
0 100 200



Basemap Source: Google Imagery

Victoria Raines

From: Leigh Raderschadt
Sent: Tuesday, December 04, 2018 5:56 PM
To: 'Justin Kockritz'
Cc: Elizabeth Brummett; Tiffany Osburn
Subject: RE: Loop 360 Corridor historic resources

Thanks for your help, Justin. I will check out the Travis County survey's and into the Andrew M. Cox Ranch site. I do not have access to that Atlas, but I'm sure someone on our team does.

Thank you,
Leigh Raderschadt

From: Justin Kockritz <Justin.Kockritz@thc.texas.gov>
Sent: Tuesday, December 04, 2018 5:40 PM
To: Leigh Raderschadt <lraderschadt@cpyi.com>
Cc: Elizabeth Brummett <Elizabeth.Brummett@thc.texas.gov>; Tiffany Osburn <Tiffany.Osburn@thc.texas.gov>
Subject: RE: Loop 360 Corridor historic resources

Hi Leigh,

Elizabeth forwarded your email on to me this afternoon.

To my knowledge, we have not made any determination of eligibility for historic-age properties along Loop 360 at all. The only Section 106 reviews in our project tracking database are for new construction and things like opening a bank branch in existing (less than 50 years old) buildings.

The area has been included in historic resource surveys by Travis County, which are available on the County Historical Commission's website: https://www.traviscountytx.gov/historical-commission/reports. You will want the 2016 *Southwest-West Travis County Historical Resources Survey* and the 2015 *Cultural Resources Survey and Assessment of Southwest Travis County*. They generally excluded land within the City of Austin though. There is also the 2017 *Northwest Travis County Historic Resources Survey*, but that survey area is likely outside of your APE.

There are some historic markers along 360, but they are all subject markers only. There are also several cemeteries; their eligibility for NR listing has not been evaluated but none are currently designated as a Historic Texas Cemetery. If you have access to the restricted Texas Archeological Sites Atlas, there is also the Andrew M. Cox Ranch Site. It is likely outside of your APE, but the boundaries are poorly defined. It was listed under Criterion D only, so we may leave that to the archeologists, but there are some aboveground built features. Tiffany, copied here, may know more or be able to share more information.

I hope that helps! Please let me know if you have any questions or need anything else.

Thanks!

Justin Kockritz
Lead Project Reviewer, Federal Programs
History Programs Division
Texas Historical Commission
P.O. Box 12276

Austin, Texas 78711-2276
512-936-7403
www.thc.texas.gov

TEXAS HISTORICAL COMMISSION
real places telling real stories

From: Leigh Raderschadt <lraderschadt@cpyi.com>
Sent: Tuesday, December 4, 2018 11:54 AM
To: Elizabeth Brummett <Elizabeth.Brummett@thc.texas.gov>; Susan Gammage <Susan.Gammage@thc.texas.gov>; Tiffany Osburn <Tiffany.Osburn@thc.texas.gov>
Subject: Loop 360 Corridor historic resources

Hello:

I am working on the intersection improvements project along Loop 360 (map of project area attached). I am reaching out to check if there are any buildings, structures, or sites along the corridor that have previously been recommended or determined eligible through previous surveys. I am particularly interested in the areas around the locations of the improvement areas at the cross streets of Spicewood Springs, Lakewood Drive, RM 2222, Courtyard Drive, Westlake Drive, RM 2244, Lost Creek Blvd, Westbank Drive, and Walsh Tarlton Lane.

Please let me know if you have any questions or need additional information.

Thank you,

Leigh Raderschadt
Environmental Planning and Permitting

CP&Y

Chase Bank Building | Tower of the Hills
13809 Research Boulevard, Suite 300
Austin, TX 78750
Direct: 512.492.6813 | **P:** 512.349.0700 | **F:** 512.349.0727
lraderschadt@cpyi.com | www.cpyi.com

Connect with us:

Victoria Raines

From: Tiffany Osburn <Tiffany.Osburn@thc.texas.gov>
Sent: Thursday, December 06, 2018 10:12 AM
To: Leigh Raderschadt; Justin Kockritz
Cc: Elizabeth Brummett
Subject: RE: Loop 360 Corridor historic resources

Hi Leigh,
There are several previously recorded archeological sites in both project areas. I'd recommend working with an archeologist to determine the likelihood that sites are present within your boundaries, but in many cases archeological survey will be required depending on your project design and boundaries of your APE.

Tiffany Osburn
Regional Archeologist/Project Reviewer
Archeology Division
Texas Historical Commission
P.O. Box 12276
Austin, Texas 78711
512-463-8883
www.thc.state.tx.us

TEXAS HISTORICAL COMMISSION
real places telling real stories

From: Leigh Raderschadt <lraderschadt@cpyi.com>
Sent: Tuesday, December 4, 2018 5:56 PM
To: Justin Kockritz <Justin.Kockritz@thc.texas.gov>
Cc: Elizabeth Brummett <Elizabeth.Brummett@thc.texas.gov>; Tiffany Osburn <Tiffany.Osburn@thc.texas.gov>
Subject: RE: Loop 360 Corridor historic resources

Thanks for your help, Justin. I will check out the Travis County survey's and into the Andrew M. Cox Ranch site. I do not have access to that Atlas, but I'm sure someone on our team does.

Thank you,
Leigh Raderschadt

From: Justin Kockritz <Justin.Kockritz@thc.texas.gov>
Sent: Tuesday, December 04, 2018 5:40 PM
To: Leigh Raderschadt <lraderschadt@cpyi.com>
Cc: Elizabeth Brummett <Elizabeth.Brummett@thc.texas.gov>; Tiffany Osburn <Tiffany.Osburn@thc.texas.gov>
Subject: RE: Loop 360 Corridor historic resources

Victoria Raines

From: Bob Ward <bobward7@gmail.com>
Sent: Wednesday, January 09, 2019 3:36 PM
To: Leigh Raderschadt
Subject: 360 project

I'm sending this out to the commission. If you like, it might be more straight forward to send me emails to bobward7@gmail.com. Is this for TxDot?

Victoria Raines

From: Rice, Andrew <Andrew.Rice@austintexas.gov>
Sent: Thursday, December 06, 2018 2:26 PM
To: Leigh Raderschadt
Subject: RE: Loop 360 Corridor historic resources

Hey Leigh,

We don't have current detailed historic resource survey data for this area. Looking at the map there is just the Johnson Smokehouse (4309 Heights Drive) in the general area. If you would like to check out the Property Profile tool the City of Austin offers that could be a helpful tool for you to use. Follow the steps below to turn on all the "Historic" layers. Please let me know if you have any questions about Property Profile.

1. Go to http://www.austintexas.gov/GIS/PropertyProfile/
2. Select "Change visible map layers"
3. Scroll down to "Zoning" and expand the section
4. Scroll down to "Historical" and select all options on the dropdown

Thank you,

Andrew Rice
Historic Preservation Planner 1
City of Austin Planning & Zoning Department
512-974-1686 | andrew.rice@austintexas.gov

From: Leigh Raderschadt <lraderschadt@cpyi.com>
Sent: Tuesday, December 04, 2018 11:02 AM
To: Rice, Andrew <Andrew.Rice@austintexas.gov>
Subject: Loop 360 Corridor historic resources

Hello Mr. Rice -

I am working on the intersection improvements project along Loop 360 (map of project area attached). I am reaching out to check if there are any buildings, structures, or sites along the corridor that are historic or that could be potentially historic. I am particularly interested in the areas around the locations of the improvement areas at the cross streets of Spicewood Springs, Lakewood Drive, RM 2222, Courtyard Drive, Westlake Drive, RM 2244, Lost Creek Blvd, Westbank Drive, and Walsh Tarlton Lane.

Please let me know if you have any questions or need additional information.

Thank you,

Leigh Raderschadt
Environmental Planning and Permitting

Chase Bank Building | Tower of the Hills
13809 Research Boulevard, Suite 300
Austin, TX 78750

Direct: 512.492.6813 | **P:** 512.349.0700 | **F:** 512.349.0727
lraderschadt@cpyi.com | www.cpyi.com

Connect with us:

Victoria Raines

From: Leigh Raderschadt
Sent: Tuesday, December 04, 2018 4:40 PM
To: 'Kitty Henderson'
Subject: RE: Travis County historic bridges

Kitty –
Thanks for getting back to me with this info so quickly. Unfortunately, the maps I have available are either the ones I sent you or giant. I can see what I can get, though, that might be manageable but still show more detail than these location maps. However, based on the bridge hunter site, there aren't any aside from the Pennybacker that are close to our corridors.

Thank you,
Leigh Raderschadt

From: Kitty Henderson <kitty@historicbridgefoundation.com>
Sent: Tuesday, December 04, 2018 1:04 PM
To: Leigh Raderschadt <lraderschadt@cpyi.com>
Subject: Re: Travis County historic bridges

Leigh
Since it is rather hard to tell from the maps you sent, I am sending you a link to a database known as Bridgehunter that provides a pretty good list of bridges in Travis County. It is probably not complete. However, most of the bridges in Travis County are in the Austin area.

https://bridgehunter.com/scripts/search.cgi?query=Travis+County&state=tx

There are a couple of bridges on the list that may fit within the area you provided

Pennybacker Bridge—although only about 36 years old, this bridge is considered significant and there would be a huge public outcry if it was threatened.

Turkey Creek Bridge—On City Park Road. Built in 1942 by the CCC. Whether it has been officially determined eligible for the National Register, I cannot tell you. But I believe it would qualify.

Pedernales River Bridge—1949. Same goes for in terms of eligibility.

Kitty Henderson
Executive Director
Historic Bridge Foundation
PO Box 66245
Austin, Texas 78766
512 407 8898

On Dec 4, 2018, at 10:23 AM, Leigh Raderschadt <lraderschadt@cpyi.com> wrote:

Hello Kitty –

I am working on a couple roadway projects in Travis County (maps attached – one is along Loop 360 and one is along RM 620). I am reaching out to check if there are any bridges along these roadways that are historic or that are potentially historic. Please let me know if you have any questions.

Thank you,

Leigh Raderschadt
Environmental Planning and Permitting

<image011.png>

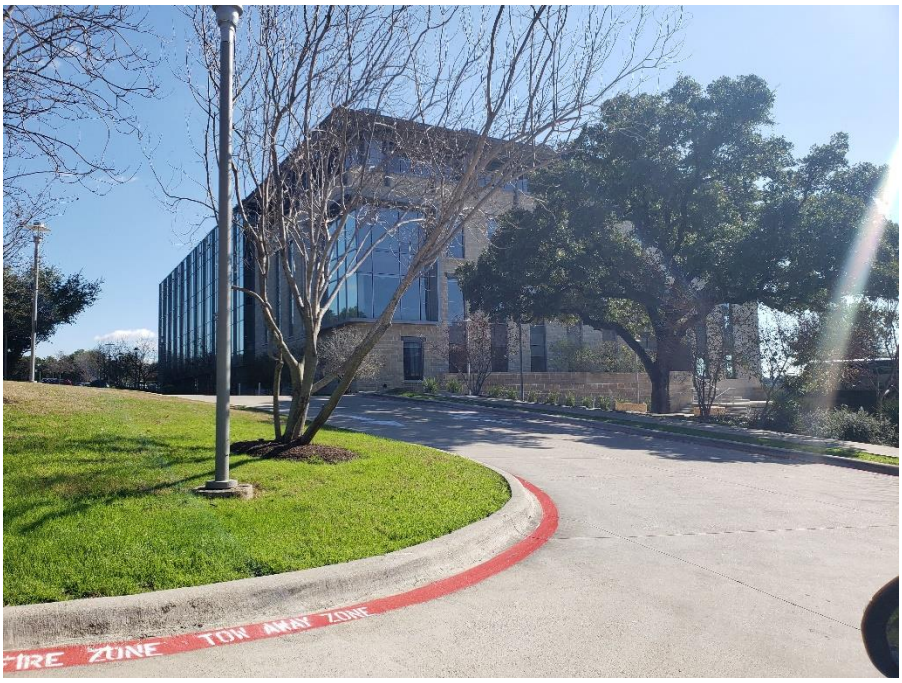
Chase Bank Building | Tower of the Hills
13809 Research Boulevard, Suite 300
Austin, TX 78750
Direct: 512.492.6813 | **P:** 512.349.0700 | **F:** 512.349.0727
lraderschadt@cpyi.com | www.cpyi.com

Connect with us:

<image012.png> <image013.png> <image014.jpg> <image015.png>

<RM620_ProjectLocation.pdf><Loop360_ProjectArea.pdf>

Photograph 1: A south-facing view of the northernmost project limit along SL 360.



Photograph 2: A view of nearby office building, Indeed, Inc.

Photograph 3: An east-facing view from the western project limit of SL 360 crossing over RM 2222.

Photograph 4. A west-facing view of SL 360 crossing over RM 2222.

Photograph 5. A west-facing view of the SL 360 and Courtyard Intersection.

Photograph 6: A north-facing view from the southern project limits at the beginning of the Pennybacker Bridge.

TEXAS DEPARTMENT OF TRANSPORTATION
AUSTIN DISTRICT
TRAVIS COUNTY

TUCKER FERGUSON, P.E. - DISTRICT ENGINEER
AUSTIN DISTRICT

CSJ: 0113-13-168, ETC.

CURRENT ADT: 2020: 52,150
PROJECTED ADT: 2040: 81,600

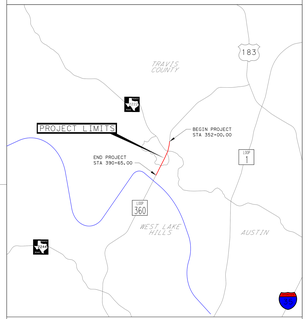
LOOP 360 GEOMETRIC DESIGN EXHIBIT

FROM LAKE AUSTIN TO NORTH OF RM 2222

NET LENGTH OF PROJECT: 3,865.00 FEET = 0.7320 MILES
- ROADWAY: 3,865.00 FEET = 0.7320 MILES
- BRIDGE: 0 FEET = 0 MILES

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

GEOMETRIC DESIGN EXHIBIT
LOOP 360 AT COURTYARD DR



LOCATION MAP N.T.S.

SURVEY DATA: TEXAS SOUTH CENTRAL ZONE #4203 (TRAVIS COUNTY)
ADJUSTED TO SURFACE USING COMBINED SCALE FACTOR 1.000080

SCALE
HORIZ SCALE 0 100 200
VERT SCALE 0 10 20

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

DESIGN VALUES USED
SUPER ELEVATION MAX (emax) = 4%

BRIDGES
NB EXIT RAMP NBI NUMBER : TBD
NB ENTRANCE RAMP NBI NUMBER : TBD
SB EXIT RAMP NBI NUMBER : TBD

SURVEY

NOT A BIDDING DOCUMENT

DATE

SUBMITTED FOR APPROVAL FOR FURTHER PROJECT DEVELOPMENT

RECOMMENDED BY: LUCAS SHORT, P.E. — RECOMMENDED BY: DWAYNE HALBARDIER, P.E.
ROADWAY TEAM LEADER — DISTRICT DESIGN ENGINEER

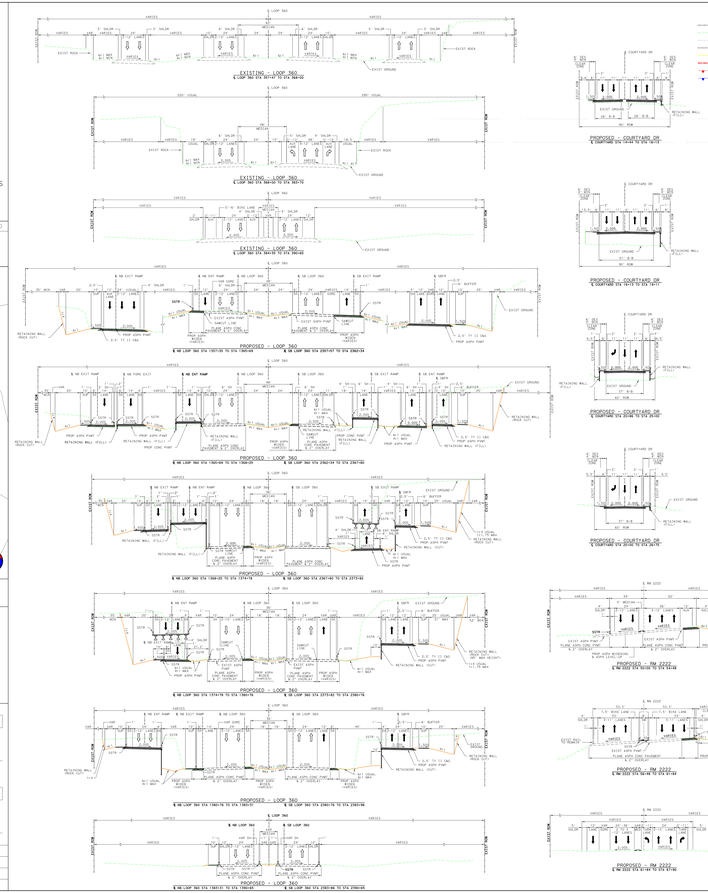
RECOMMENDED BY: BOBBY RAMPHUN, P.E. — RECOMMENDED BY: MARISABEL RAMPHUN, P.E.
AREA ENGINEER — DIRECTOR, TRANSPORTATION PLANNING & DEVELOPMENT

DERRON S. VINCIA, P.E.
P.E. #84028
PROJECT MANAGER

PSMJ
TBPE REG. NO. F-2762
3131 BEAUFORT
Houston, Texas 77002
Phone (713) 620-1444
Fax (713) 620-6333

STATE	DIST	COUNTY
TEXAS	AUS	TRAVIS

CONT.	SECT.	JOB	HIGHWAY
0113	13	168, ETC.	LOOP 360



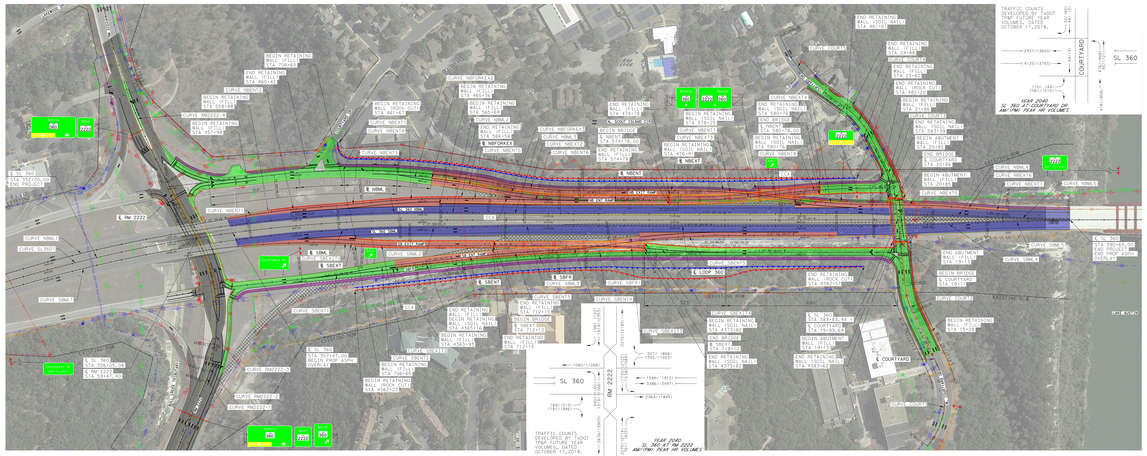
SCEMATIC LEGEND

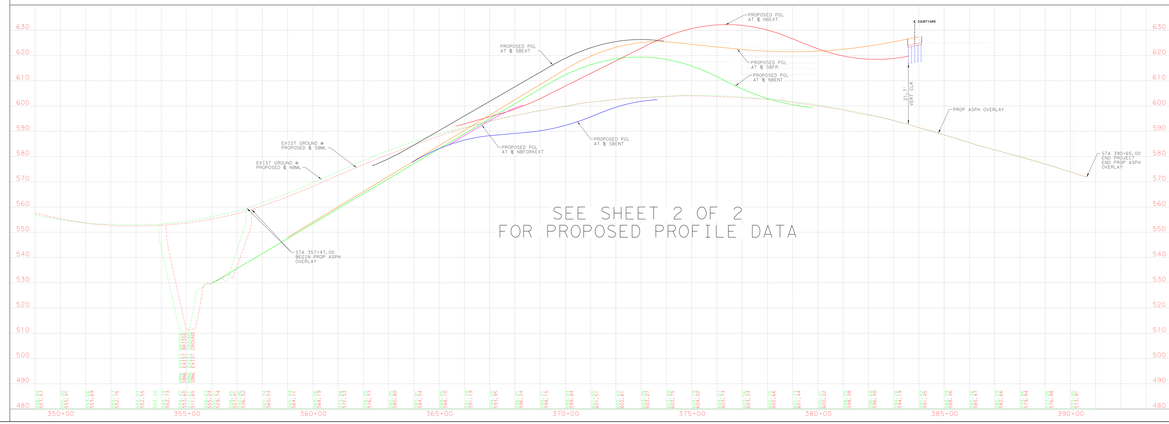
- EXISTING ROW
- EXISTING EASEMENT LINE
- EXISTING EDGE OF PAVEMENT
- PROPOSED CENTERLINE/BASELINE
- PROPOSED CONCRETE TRAFFIC BARRIER
- PROPOSED RETAINING WALL
- PROPOSED ROCK CUT (TOP)
- PROPOSED ROCK CUT (BOTTOM)
- PROPOSED FRONTAGE ROAD / CROSS STREET
- PROPOSED RAMP
- PROPOSED BRIDGE LIMITS
- PROPOSED MAINLANE MILL & OVERLAY
- PROPOSED MAINLANE WIDENING
- PROPOSED CROSS STREET OVERLAY
- PROPOSED DRIVEWAY RECONSTRUCTION
- PROPOSED 10' SHARED USE PATH
- PROPOSED 6' SIDEWALK
- PROPOSED RIPRAP
- PROPOSED REMOVAL

SUPER ELEVATION TABLE

	STA	WIDTH	SLOPE	
EXISTING FRONTAGE ROAD				
CURVE				
	420+00.00	24	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	423+00.00	24	-2.00%	
	425+21.00	24	-2.00%	
	428+21.00	24	-2.00%	NORMAL CROWN PER TYPICAL SECTION
EXISTING EXTRANCE RAMP				
CURVE				
	369+74.00	24	-2.00%	
	369+74.00	24	-2.00%	WATER SURFR SUPER ELEVATION
	369+94.00	24	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	370+00.00	24	-2.00%	
	370+00.00	24	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	371+00.00	24	-2.00%	
	371+00.00	24	2.00%	SLOPED BEGIN W/ TRANS (*PALMER)
	371+25.00	24	2.00%	SLOPED END W/ TRANS (*PALMER)
	371+25.00	24	2.70%	NORMAL CROWN VIA CURVE
	371+50.00	24	2.70%	
	371+50.00	24	-2.70%	WATER SURFR SUPER ELEVATION
EXISTING EXIT RAMP				
CURVE				
	384+00.00	24	-2.70%	WATER SURFR SUPER ELEVATION
	384+00.00	24	-2.70%	
	384+00.00	24	-2.70%	NORMAL CROWN PER TYPICAL SECTION
	385+00.00	24	-2.70%	
	385+00.00	24	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	386+00.00	24	-2.00%	
	386+00.00	24	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	387+00.00	24	-2.00%	
	387+00.00	24	2.00%	SLOPED BEGIN W/ TRANS (*PALMER)
	387+25.00	24	2.00%	SLOPED END W/ TRANS (*PALMER)
	387+25.00	24	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	388+25.00	24	-2.00%	
	388+25.00	24	-2.00%	WATER SURFR SUPER ELEVATION
NORTHBOUND ENTRANCE RAMP				
CURVE				
	340+00.00	24	-2.00%	
	340+00.00	24	-2.00%	WATER SURFR SUPER ELEVATION
	341+00.00	24	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	342+00.00	24	-2.00%	
	342+00.00	24	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	343+00.00	24	-2.00%	
	343+00.00	24	2.00%	SLOPED BEGIN W/ TRANS (*PALMER)
	343+25.00	24	2.00%	SLOPED END W/ TRANS (*PALMER)
	343+25.00	24	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	344+25.00	24	-2.00%	
	344+25.00	24	-2.00%	WATER SURFR SUPER ELEVATION
NORTHBOUND EXIT RAMP				
CURVE				
	357+00.00	22	-2.00%	WATER SURFR SUPER ELEVATION
	357+00.00	22	-2.00%	
	357+00.00	22	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	358+00.00	22	-2.00%	
	358+00.00	22	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	359+00.00	22	-2.00%	
	359+00.00	22	2.00%	SLOPED BEGIN W/ TRANS (*PALMER)
	359+25.00	22	2.00%	SLOPED END W/ TRANS (*PALMER)
	359+25.00	22	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	360+25.00	22	-2.00%	
	360+25.00	22	-2.00%	WATER SURFR SUPER ELEVATION
SOUTHBOUND EXIT RAMP				
CURVE				
	377+00.00	22	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	377+00.00	22	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	378+00.00	22	-2.00%	
	378+00.00	22	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	379+00.00	22	-2.00%	
	379+00.00	22	2.00%	SLOPED BEGIN W/ TRANS (*PALMER)
	379+25.00	22	2.00%	SLOPED END W/ TRANS (*PALMER)
	379+25.00	22	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	380+25.00	22	-2.00%	
	380+25.00	22	-2.00%	WATER SURFR SUPER ELEVATION
SOUTHBOUND ENTRANCE RAMP				
CURVE				
	387+00.00	22	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	387+00.00	22	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	388+00.00	22	-2.00%	
	388+00.00	22	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	389+00.00	22	-2.00%	
	389+00.00	22	2.00%	SLOPED BEGIN W/ TRANS (*PALMER)
	389+25.00	22	2.00%	SLOPED END W/ TRANS (*PALMER)
	389+25.00	22	-2.00%	NORMAL CROWN PER TYPICAL SECTION
	390+25.00	22	-2.00%	
	390+25.00	22	-2.70%	WATER SURFR SUPER ELEVATION

SUPERELEVATION





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Houston, Texas 77002
Phone (713) 620-1444
Fax (713) 620-6333
TBPE REG. NO. F-2762

GEOMETRIC DESIGN EXHIBIT
LOOP 360 AT COURTYARD DR

Texas Department of Transportation