

**STATE LOOP 360** 

CSJ 5000-00-131

**Travis County, Texas** 

## CONTEXT SENSITIVE SOLUTIONS SUMMARY

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January 2020

## Loop 360 Context Sensitive Solutions Report June 2019 Workshop and Survey Feedback

In June 2019, TxDOT gathered public input on the Context Sensitive Solutions (CSS) features being considered for incorporation along Loop 360. CSS is a collaborative approach to developing roadways that fit within their surroundings. It incorporates public input to determine what natural, historic, environmental and social resources best enhance the roadway design.

Members of the public had the opportunity to view and provide feedback on CSS features at the Lakewood Drive/Spicewood Springs Road project workshop held on June 6, 2019. The community also had the option of providing feedback via an online survey included in the virtual workshop for the Lakewood Drive/Spicewood Springs Road project. The survey remained open during the 15-day comment period following the workshop. It was advertised using a flyer handed out at the workshop, as well as through e-blasts sent to the entire corridor-wide listsery.

Participants viewed five display boards (see Appendix A). The first board contained information about the overall CSS process. The remaining boards shared options for the public's consideration, including intersection treatments, landscaping and plants, bridge supports, and shared-use path (SUP) hardscaping.

TxDOT received a total of 29 written comments at the public workshop, and an additional 35 comments via the online survey. A summary of feedback is below. See Appendix B for photographs of written comments received at the workshop, as well as the online survey questions and each response.

#### **Intersection Treatments**

Participants preferred a muted look for the intersection treatments along Loop 360. They also indicated a preference for including many trees and plants near intersections, and suggested using curved lines with an odd number of plants at these locations.

#### **Landscaping and Plants**

Respondents requested that low-maintenance, native grasses be used for the landscaping along the corridor. Some participants suggested using the Texas Red Oak, Mexican Plum and Red Bud trees; others suggested avoiding use of oak trees and Arizona Cypress. Respondents requested that bluebonnets and the current wildflower mix continue to be planted along Loop 360.

#### **Bridge Supports**

Participants were given three bridge support options to consider. The supports featuring a standard sloped bent cap with square columns was the favored option. Some respondents requested adding color to the bridge supports while others suggested that white or a more neutral color be used. Suggestions were made to include the Texas star on the supports and colored lighting as an accent underneath the overpasses.

#### **Shared-Use Path Hardscaping**

Participants generally appreciated the addition of the SUP. Suggestions were made to increase the SUP to 12 feet and to use pavement that reduces sound and heat. Some respondents also requested a separate dedicated path for cyclists using asphalt instead of concrete.

#### **Other Comments for the CSS Process**

Overall, respondents welcomed the proposal of creating underpasses and overpasses along Loop 360, though a few participants expressed their opinion that the improvements are too industrial for the area. Suggestions were made to depress the Loop 360 mainlanes and add sound walls for noise reduction. Additionally, participants requested that TxDOT account for wildlife along the corridor.

Respondents were also in favor of keeping lighting low along the corridor, and mentioned the Dark Skies initiative. The International Dark-Sky Association (IDA) is the recognized authority on light pollution worldwide and is the entity who determines whether a certain area qualifies as a "Dark-Sky Place." There are currently only three Dark-Sky Places located near Austin, including the town of Dripping Springs, and the River Hills and Lost Creek neighborhoods. Although the lighting specifications under consideration for Loop 360 may not meet International Dark-Sky standards, TxDOT is partnering with the City of Austin to add lighting features that will preserve the natural look of the night skies along Loop 360. Lighting options are still being evaluated, but might include include low-level, LED lighting that focuses lighting downward, prevents glare, and preserves the nighttime aesthetic of the community.

#### **Appendix A: Boards and Corridor Assets Map**

## CONTEXT SENSITIVE SOLUTIONS



Context Sensitive Solutions (CSS) is a collaborative approach to developing roadways that fit within their surroundings.

#### CONSIDERATIONS

The CSS approach considers not only physical aspects or standard specifications of a roadway, but also the scenic, environmental, historic, economic and social resources in the surrounding community.

#### INVOLVEMENT

The process involves all stakeholders, including community members, elected officials, interest groups, and affected local, state and federal agencies.



CSS processes help to preserve and enhance community resources while improving safety and mobility along the corridor.



#### **COMMUNITY FEEDBACK**

In November 2018, TxDOT conducted a survey to receive feedback from the community. We shared the results of that survey and collected further public input in March 2019.

More details about the CSS process can be found at Loop360Project.com

#### **LOOP 360 PROGRAM**





**LOOP 360 PROGRAM** 



## CONTEXT SENSITIVE SOLUTIONS



#### **OPTIONS FOR LANDSCAPING AND PLANTS**



**TREES** 

Arizona Cypress Cedar Elm Chinquapin Oak

Eastern Red Cedar Live Oak

Red Bud Texas Red Oak

Mexican Plum



**SHRUBS** 

Agarita Anacacho Orchid Tree Crape Myrtle Evergreen Sumac False Red Yucca Flameleaf Sumac Fragrant Sumac

Lindheimer Muhly Mexican Buckeye

Sotol (Desert Spoon) Texas Sage Mountain Laurel Yaupon Holly



#### **WILDFLOWER MIX**

Indian Blanket Bluebonnet Pink Evening Primrose

Black Eyed Susan Texas Star Mealy Blue Sage

Coreopsis Little Bluestem Blue Grama

Buffalograss Curly Mesquite

**LOOP 360 PROGRAM** 

STAY IN THE LOOP

### CONTEXT SENSITIVE SOLUTIONS



#### **OPTIONS FOR BRIDGE SUPPORTS**



BENT CAP Standard Rectangular **COLUMNS** Round



BENT CAP Standard Sloped **COLUMNS** Square



BENT CAP Standard Rectangular with Ear Wall COLUMNS Rectangular

**LOOP 360 PROGRAM** 



# CONTEXT SENSITIVE SOLUTIONS



#### OPTIONS FOR SHARED-USE PATH HARDSCAPING

#### CONCEPTUAL CROSS SECTION FOR SHARED-USE PATH



10 foot shared-use path with 5 foot buffer as right of way allows

#### **LIGHTING OPTIONS**



Low-level path lighting

#### **PAVING OPTIONS**



Enhanced paving at high bicycle and pedestrian traffic areas

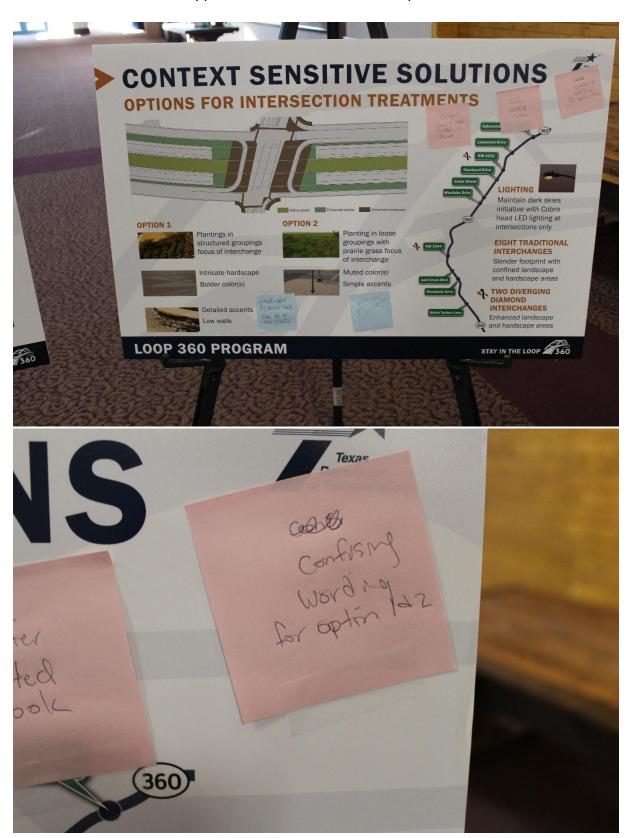


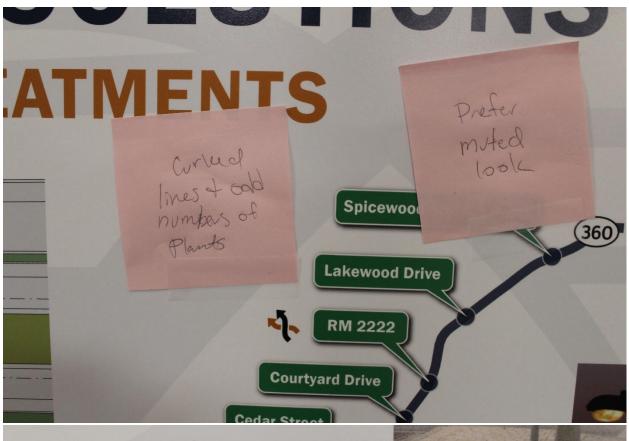
Colored, textured herringbone treatment

**LOOP 360 PROGRAM** 



Appendix B: Comments and Survey Results



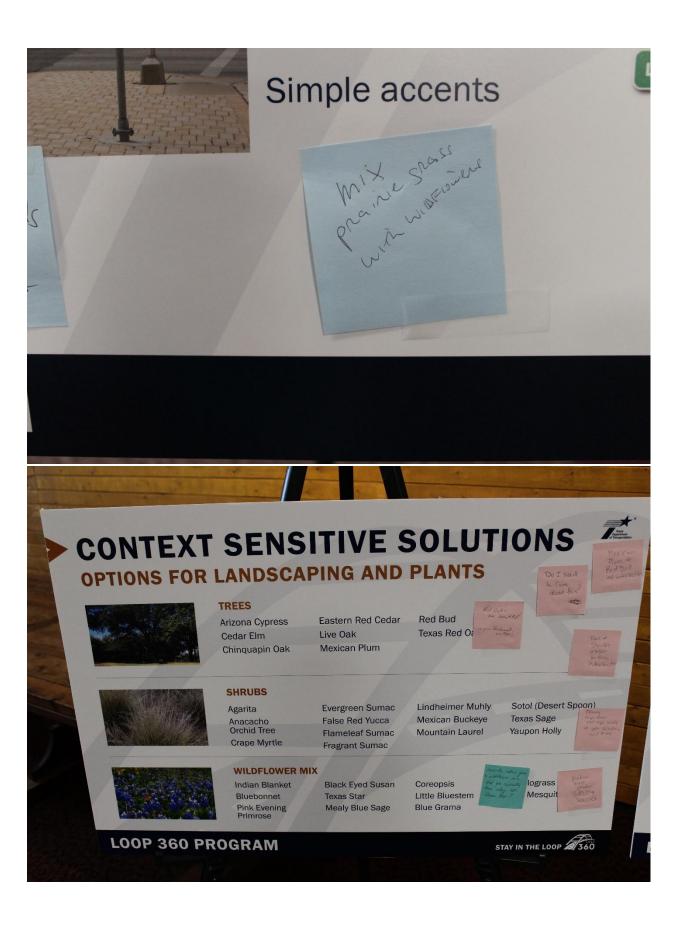


Bolder color(s)

Detailed accents
Low walls

Lands cape by access roads Keep lots of trees/plants

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# DLUTIONS LANTS DOING

Red Bud
Texas Red Oa



Do I need to care about this?

Mexican Flum of Real Bud at intersection

of Transportation

Trees of Shrubs closer to the intersector

ier wuniy

Buckeye

n Laurel

Soloi (Desert Spoon)

Texas Sage

Yaupon Holly

TEXAS
Sage does
Not age well
its gets spindley
and Dies

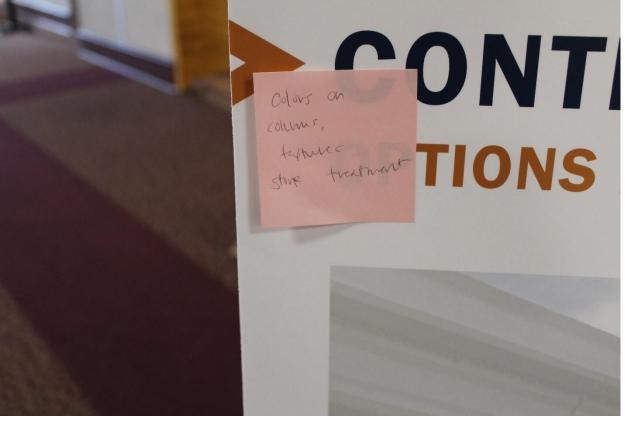
sis luestem rama Love the native grass + wildflower mix

that you currently have along 360.

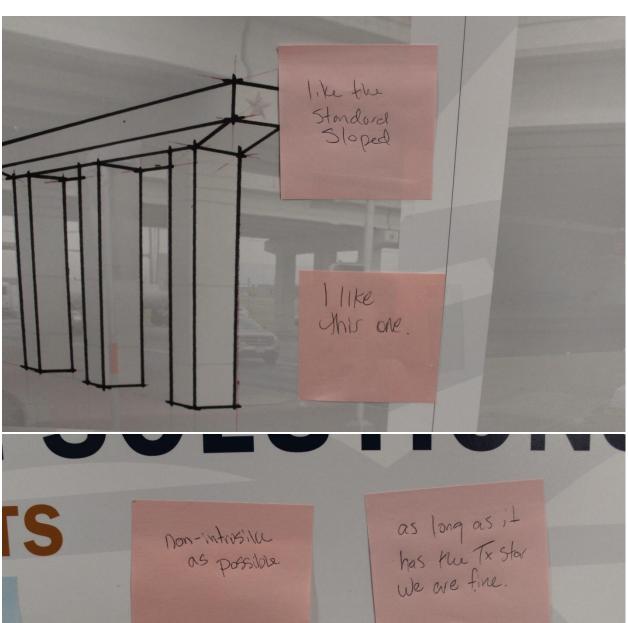
Please leep it

lograss Mesquit Nother grass prefer Sancistney Species

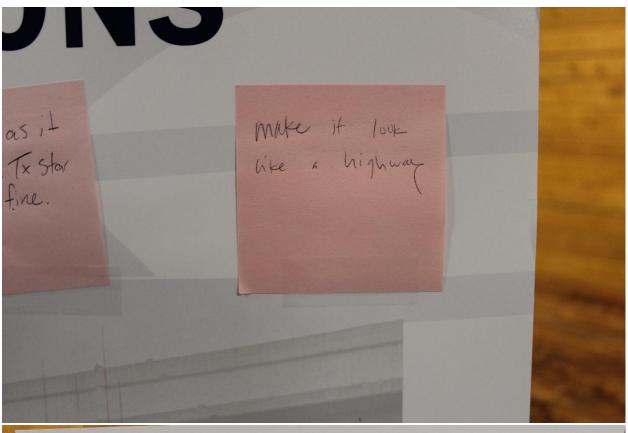




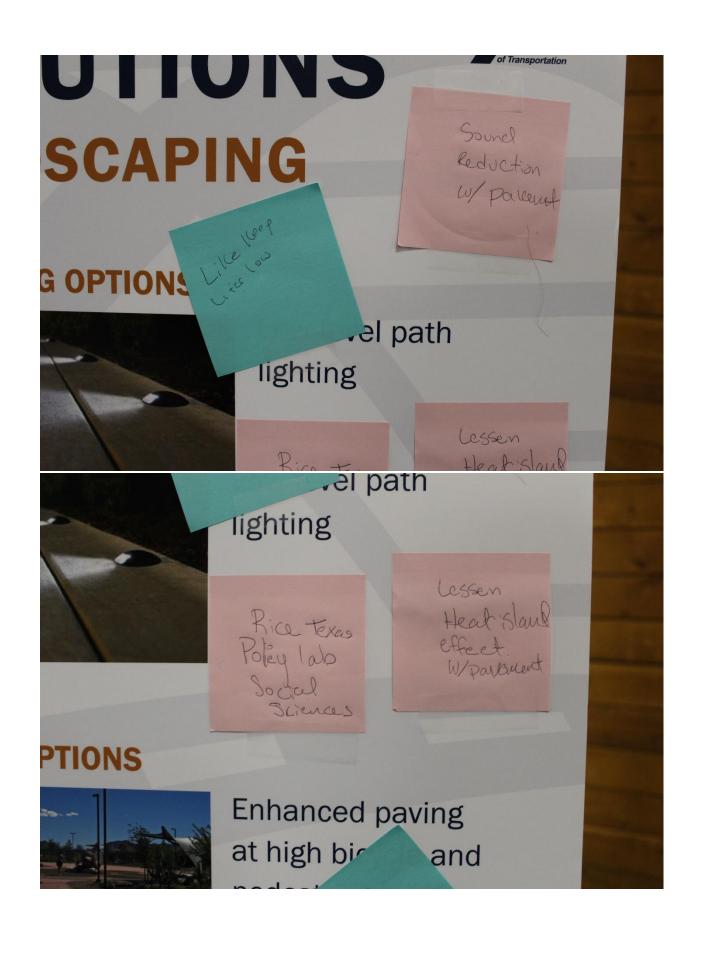


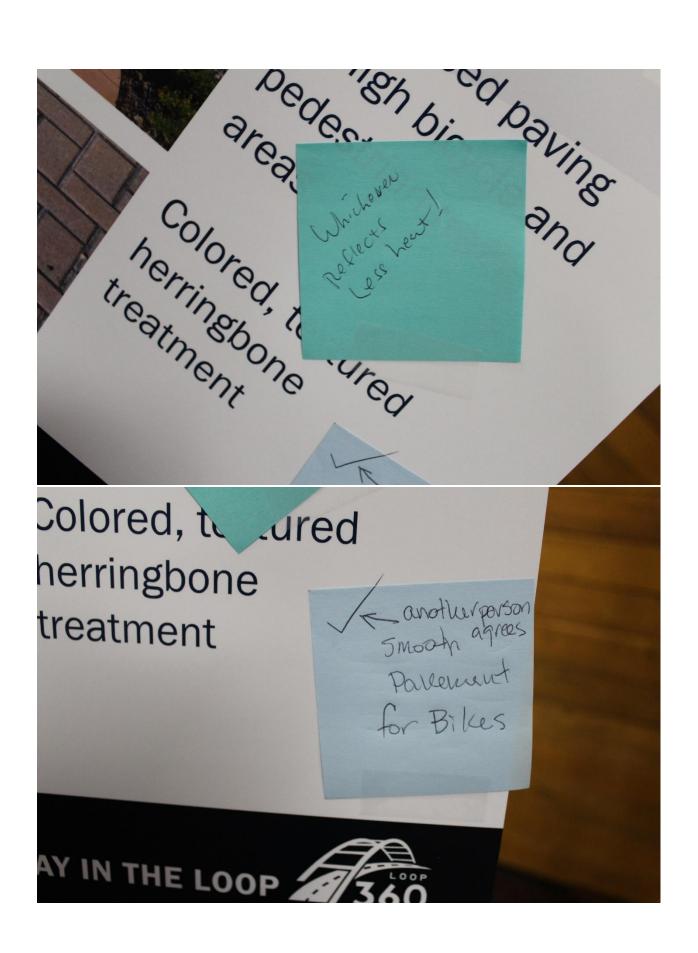


non-intrisiue as long as it has the Tx star we are fine.







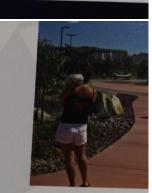


# 10 foot shared-use path with 5 foot buffer

I otrervously object to the proposal to use this type of design at the courtgard Drive (360 intersection It destroys the ratural beauty!

## iffer as right of way allows

Waste of Woney to Pay for Peoples Recreation





# What do you like about the proposed Context Sensitive Solutions (CSS) options (i.e. intersection treatments, landscaping and plants, bridge supports and shared-use path hardscaping)?

1	I would love a separate shared use path! I also like the use of native plants in the
	landscaping.
2	I like the "Standard Sloped" bent cap and either the round or square columns. I also
	really like the white or very light-colored stone shown in one of the pictures. It makes
	the underneath area much brighter and not just drab dark gray cement that looks
	dirty and dingy over time. Also, please keep the wildflowers in the surrounding
	greenspace around the road ways. They help make 360 beautiful in the spring and
	summer.
3	It seems nice
4	It looks fine but is starting to look like 360 will look like 183 with these changes.
	Also, adding more live and red oaks to an area that is in danger of having oak
	diseases is not a good idea.
5	More landscaping the better
6	Nothing.
7	This would hopefully be a huge improvement. There are so many people running red
	lights on 360 and getting into deathly collisions.
8	I think it could be attractive.
9	Option 2 is the preferred choice. It looks more natural.
10	Seems well thought out. Hopefully, these will be low-maintenance. Would it be cost-
	prohibitive to add a protective barrier of some sort between the mainlines and the
	SUP, in addition to the 5-ft embankment?
11	Nice, keeps the intersection pleasant to look at
12	The more plants we have the better. I appreciate the shared-use path very much.
	This is critical to ensure pedestrian safety on this busy road.
13	two DDI interchange options
14	like the support with the standard slope on the top
15	STRONGLY in favor of honoring dark skies initiative, with lighting installed only at
	intersections. Prefer Std Sloped bridge supports. Pleased that durable, drought
	tolerant landscape is included in project.
16	I don't understand if Options 1 & 2 are both to be included or are alternatives. Same
	with bridge supports. I definitely favor using natives species, but Arizona Cypress? I
	also endorse the Dark Skies initiative.

#### What do you dislike about the proposed CSS options?

A focus on prairie grass rather than the groupings in option one would be better overall. Since prairie grasslands are the fastest disappearing habitat, providing them whenever possible helps grassland birds as well as storm water flow!
 Dedicated bike path (not shared use) is more important as 360 is a very popular bike route. It is my experience that concrete bike paths are terrible compared to asphalt which is smoother as it doesn't have seams/cracks. Shared use paths will push recreational cyclists onto the road because mixing pedestrians, casual riders,

	and recreation riders in the same space is dangerous.
3	There is no indication that anyone has thought about noise reduction. Again, this is
	an environmentally sensitive area and it's being treated like building another Mo-
	Pac.
4	All of it. It's too big and industrial for the area.
5	The highway is beautiful as it is now. I hope even though it may look different the beauty of it stays.
6	It does not look like you are designing this for the cyclists who already use Loop 360. Bike paths should not be made of concrete (concrete is rough and unpleasant to ride on with high-pressure tires). You need to make the path as smooth as possible, and make it easy to maintain. Keep stops to a minimum. Make sure that the path is at least 12 feet wide to accommodate pedestrians with pets AND cyclists.
7	This area is part of the Hill Country which is what makes it so nice. Please try to keep that natural, wild look and not make it look like a mass produced strip mall type infrastructure construction. More nature, less concrete.
8	Colors are a bit bland, but I realize there are limitations.
9	I don't like the fake brick paving pattern on the path. It increases rolling resistance
	and does not really increase traction on the surface, and is sure to be unnecessarily
	expensive.
10	Nothing
11	More shared use paths
12	Don't use bright colors in hardscape. They should be muted to blend in.

#### What other comments or feedback do you have about the proposed CSS options?

1	I would love to see the main roads of 360 be sunken with large berms (as shown in one of the drawings) on either side to restrict the visual and auditory impacts of creating an expressway through a sensitive and mostly residential area. For the
	overpasses, enclose the sides with walls for noise reduction.
2	While I welcome the other overpass / underpass options up and down 360, the intersection at Lakewood should not be an overpass / underpass. it's too big and "industrial" for the area. Planting pretty plants and making fake rock out of concrete is not going to make this project more palatable.
3	Loop 360 is a favorite route for weekend group rides – 20 to 50 cyclists riding in a group. These facilities should be designed with that kind of activity in mind.
4	Good luck.
5	Nothing
6	Prefer enhanced landscape, hardscape and accents.
7	Let's not forget about wildlife crossings.