



How do your bike lanes glow? A Texas A&M Case Study

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Overview

- Project Overview
- Educational Outreach and Communication Campaign
- Partnerships for Student Research
- How successful is it?









- Parking lot renovation
- Expanded scope to look beyond curbs of parking lot
 - Roadway intersection alignment













- Parking lot renovation
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 - Roadway intersection alignment
 - -Americans with Disabilities Act compliance















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 - Sidewalks

























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 - Bike paths























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 - Motorcycle parking













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 - General access paths to buildings















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 - Sidewalks
 - Bike paths
 - Motorcycle parking
 - General access paths to buildings
 - Interstitial space between buildings

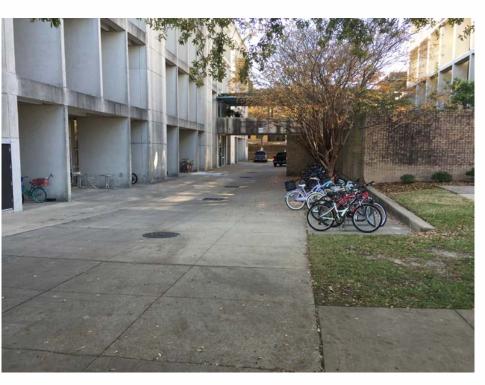








Interstitial Space Between Buildings















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 - Motorcycle parking
 - General access paths to buildings
 - Interstitial space between buildings
 - Sustainability in landscape









Kimley»Horn

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Kimley»Horn

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LANDSCAPE PLAN

PREPARED FOR TEXAS A&M UNIVERSITY COLLEGE STATION, TEXAS PARKING AREA 16 & 54 RECONSTRUCTION SELLE NUMBER

L-01







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 - Sidewalks
 - Bike paths
 - Motorcycle parking
 - General access paths to buildings
 - Interstitial space between buildings
 - Sustainability in landscape
 - Slow Moving Vehicle parking











Considered:

- Project Partners
- Users
- Process
- Innovation Initiative
- Research Partners
 - Partnering company with paint product
 - Undergrad and graduate research class projects
 - Refinement of product









Dutch Junction

Overview

- The Dutch Junction concept and design
- Initiative to develop and construct using innovative green design
- Communications Campaign
- Outcome









Dutch Junction

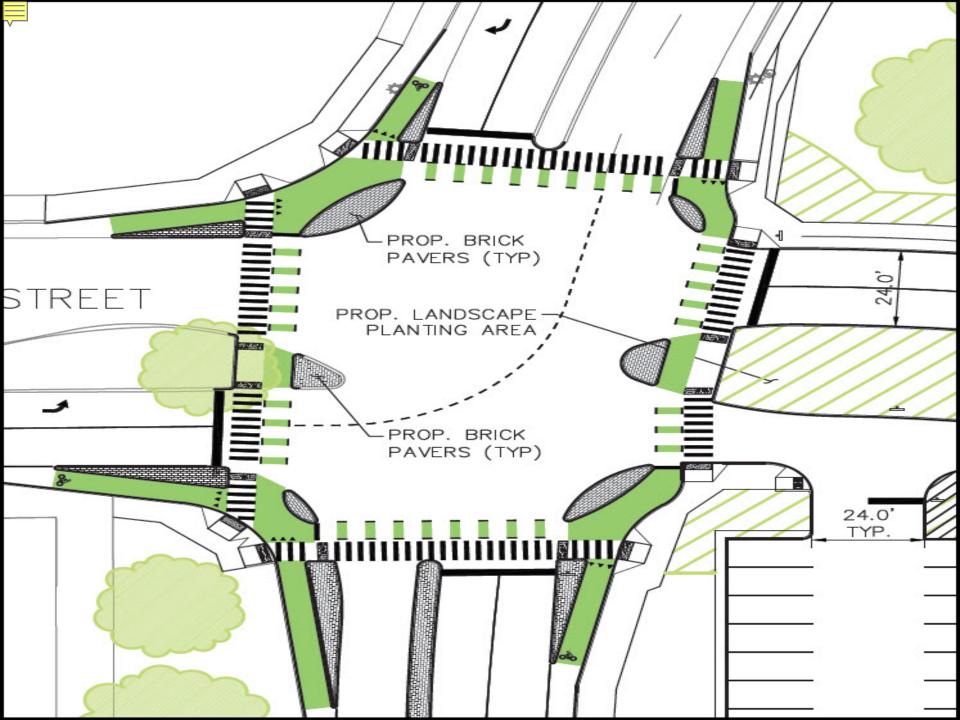
 Uses protected pathways to separate cyclists from vehicles.

- Offers added protection to bicyclists in high pedestrian and vehicular traffic area on campus.
- Partnered with Kimley-Horn and Texas A&M Transportation Institute (TTI) to construct with innovative green paint.
- First in U.S. to implement unsignalized version (2016).



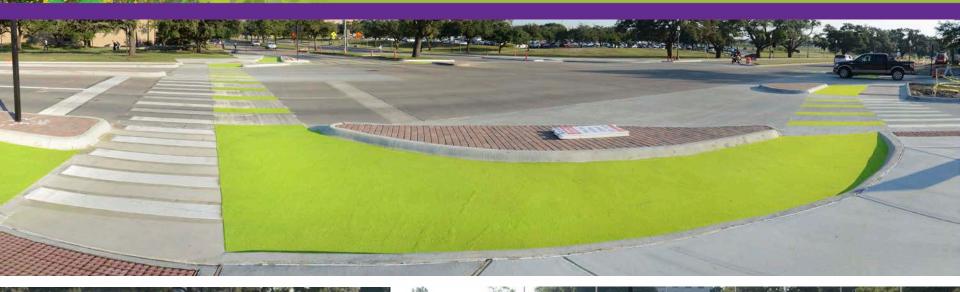








Dutch Junction Project





IPI PARKING Communications Campaign

- Media outreach focused on elements of innovation (urban design, smart cities, cool factor) to draw in audience.
- Educational components that informed and sparked interest in project.
- Utilized partnership resources to maximize outreach efforts.
- Offered opportunities for research "Living Laboratory"



What worked?

- Communications Plan
 - >Media release
 - ➤ Social Media Strategy
 - > Spokespersons
 - ➤ Creativity in design













Measured Success

#1 Most Read Story for 2016



- Received 24,000+ page views when published.
- 6,900 shares to Facebook from the Texas A&M Today site alone.





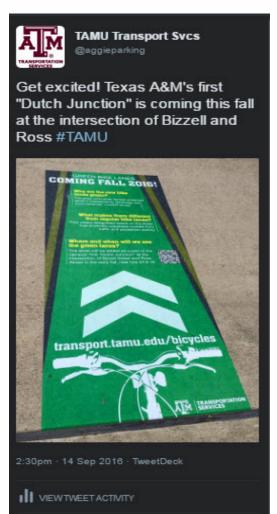




Media Reach

Print & Online

- There were 60+ mentions in print and online news outlets.
- Netherlands Reddit forum and national/international metro transportation blogs covered story.













Netherlands Embassy @ @NLintheUSA - 5 Oct 2016

.@TTI brings a Dutch-Style #traffic intersection w/ solar-lighted bicycle paths to @TAMU.

tti.tamu.edu/2016/10/04/sol... #Aggies pic.twitter.com/Q0Mrigb6vJ









Creative Education

GREEN BIKE LANES AT ROSS & BIZZELL

MAKING CAMPUS SAFER FOR EVERYONE

WHY ARE THE NEW BIKE LANES GREEN?

The green bike lanes denote protected bike lanes in intersections, driveways and other potential "conflict zones."

WHAT MAKES THEM DIFFERENT?

They create a designated space on the street for a person riding a bicycle that is physically separated from traffic and pedestrian activity.

WHAT MAKES THEM SAFER?

They create a clear and sensible environment for users on foot, on bicycles or in cars and provides more time and space for everyone to see and react to one another.



PEDESTRIANS

- do not block or stand in protected bike lanes
- wait in protected areas until able to cross street
- ③ cross street using white dashed lanes
- watch for people on bicycles before crossing bike lanes even if you have right of way

Bizzell St

1



- use protected green bike lanes to navigate intersection
- yield to people walking at crosswalks
- watch for crossing vehicle traffic at intersection
- after yielding to people in crosswalks, advance to the end of the center island and cross with caution

MOTORISTS

- when turning, yield to people walking and cycling
- be aware of raised concrete islands in the intersection
- follow the white dotted lines when making left turns

Whether you're walking, bicycling, or driving, always follow traffic laws









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Marketing Clings





Download the IPI2017 mobile app to provide feedback on this session/speaker.









Dutch Junction Class Projects

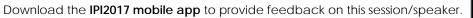














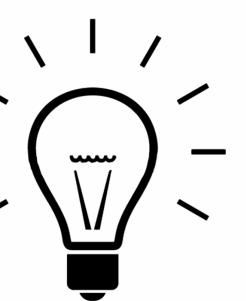




Dutch Junction Class Projects

Why involve students?

- Invite students to examine various aspects of transportation.
- Real world applications for research methods, data gathering, analysis, and reporting.
- Meaningful subject matter that relates to the university—student majors and areas of interests.









Hypothesis Examples

Will motor vehicles yield to cyclists?

 Yes, motor vehicles actively yielded 55% of the time. Cyclists did 45% of the time.

Will cyclists use the protected intersection more after green paint is applied?

No, reason needs to be studied more.





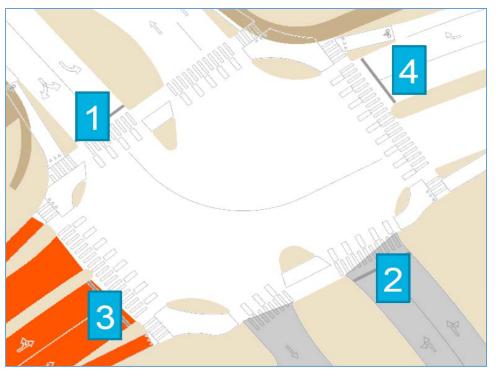


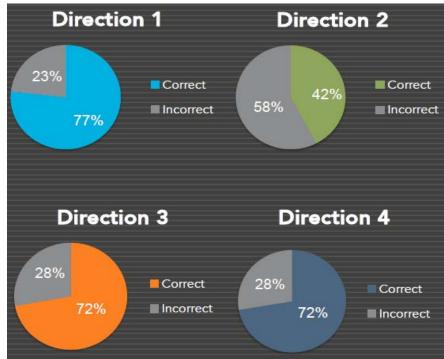


Hypothesis Examples

Did the direction cyclists traveled correlate with correct or incorrect usage of the protected lanes?

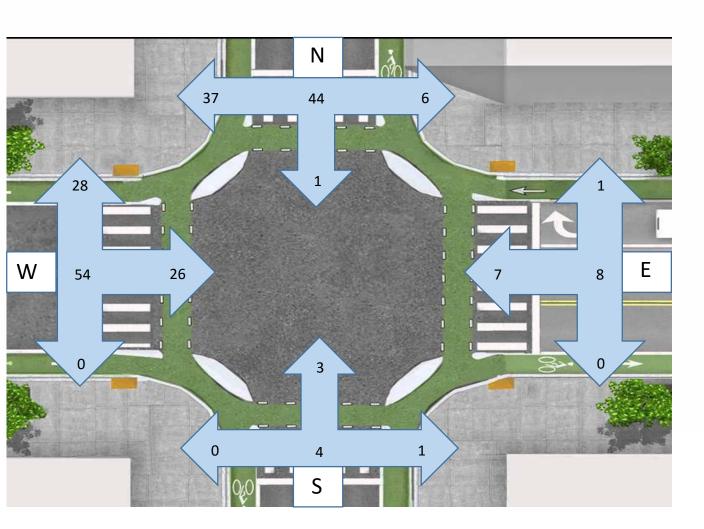
 Yes. In this case cyclists behaved appropriately in the protected lanes.

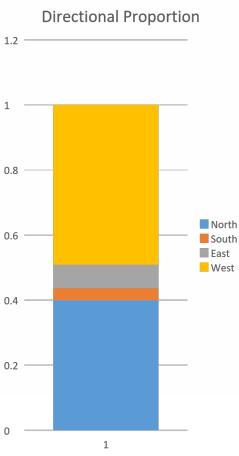






Hypothesis Examples







Notable Items

- Design appears to allow for easier scanning for possible conflicts to react accordingly (motor vehicles, pedestrians, and cyclists).
- Could heightened awareness at an intersection and lower the stress level where facility use is not "required" to feel safe?
- An illustrated or video 'manual' should be created to show appropriate usage of the facility.









Notable Results

"Weatherable Material"





Resources

http://transport.tamu.edu/IPIDJ











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