

Kansas Avenue Streetscape & Cycle Track

Olathe, Kansas

2024 TEAM Conference

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GBA

Speakers



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Topics

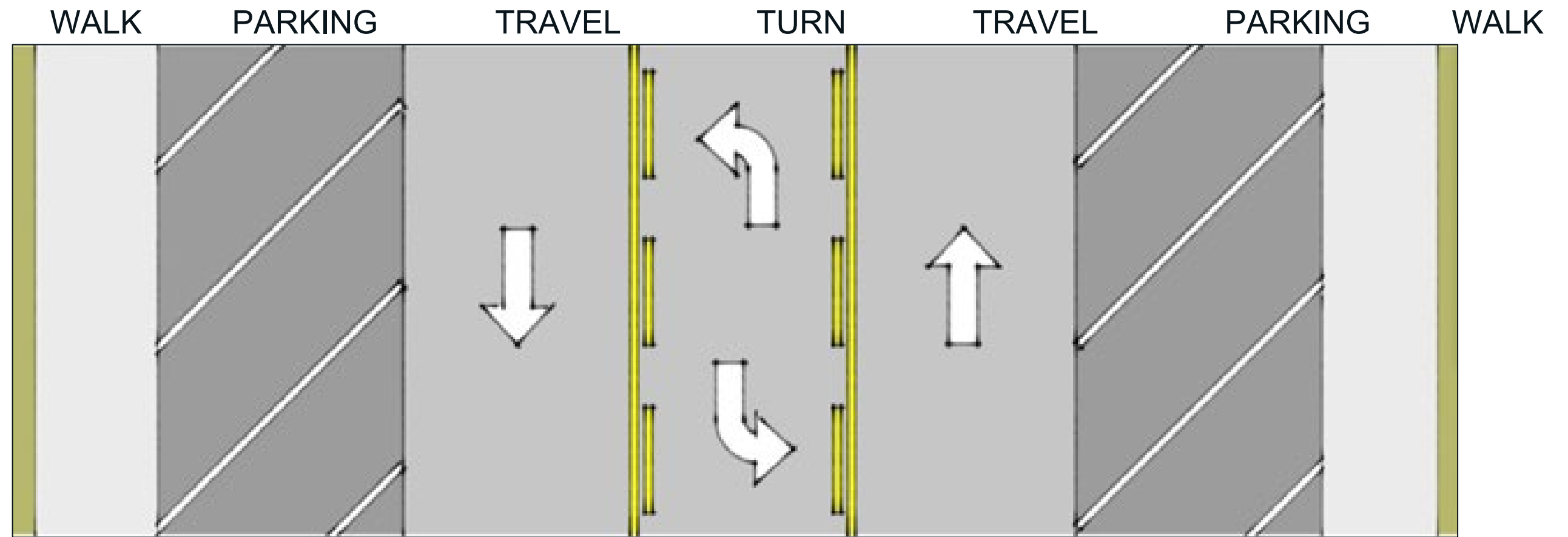
Complete Streets & Cycle Track Projects

- Preliminary Design Considerations
- Infrastructure Constraints
- Financial Constraints
- Lessons Learned

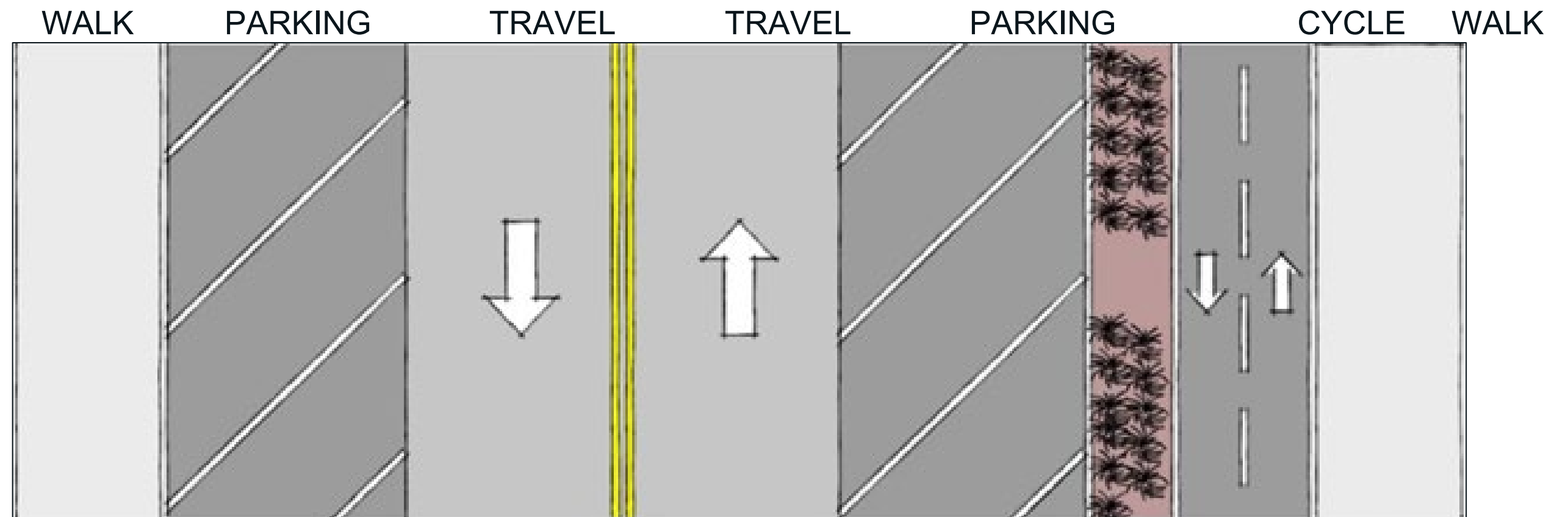
Preliminary Design Considerations

Typical Section Transformation

- Existing Section



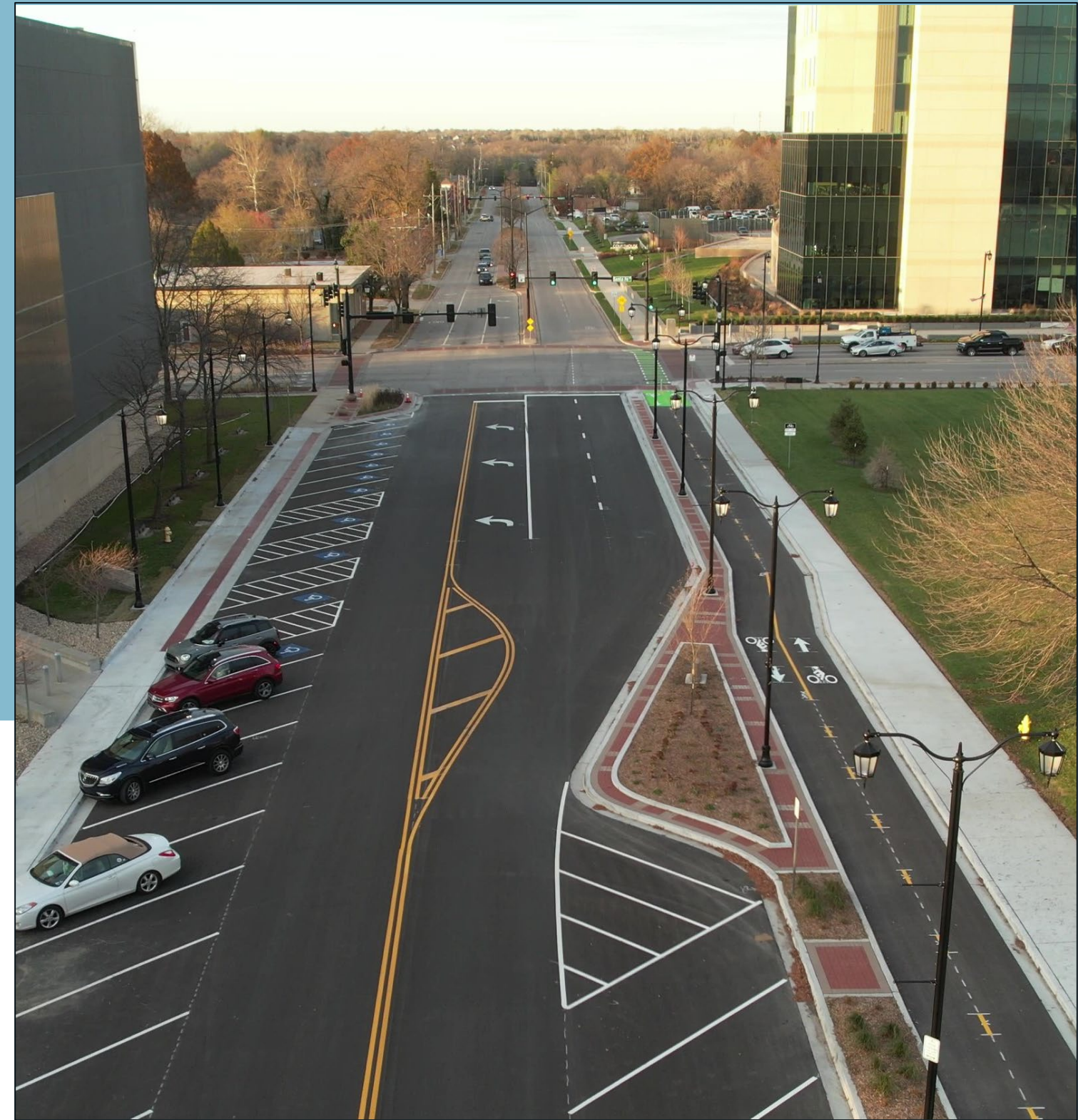
- Proposed Section



Drainage



Additional Lanes



Multimodal Points of Conflict



Safety & Maintenance



Infrastructure Constraints

Cedar Street Intersection



Santa Fe Street Intersection

Concept



Final Design

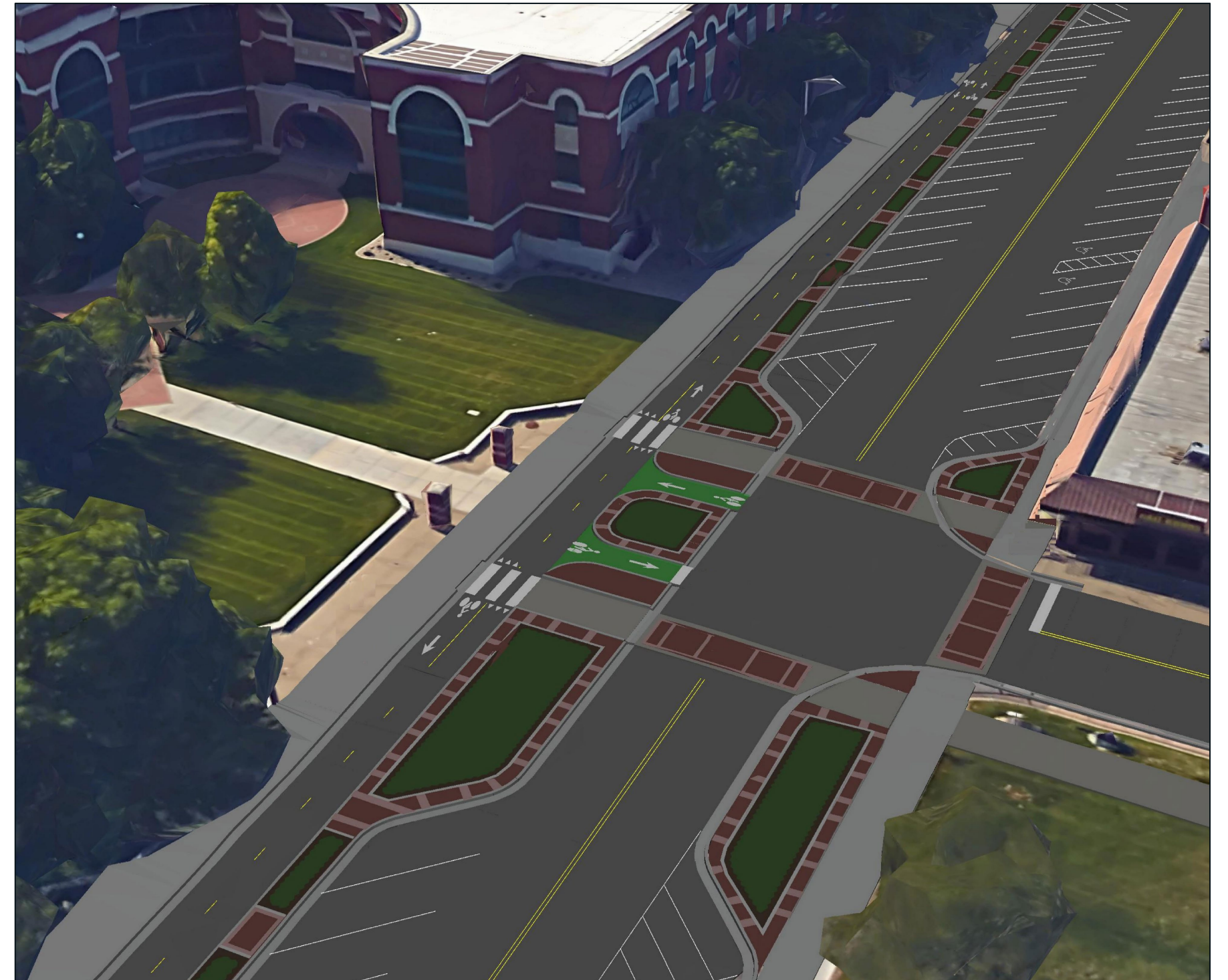


Park Street Intersection

Concept



Final Design



User Restrictions

CYCLE TRACK & SIDEWALK

Safety and Comfort for Cyclists

E-bike share and shared electric scooters

Skateboards? Skaters?
Bikes on road or sidewalk?
Peds in the cycle track?



Financial Constraints

Green Pavement Marking

Concept



Master Plan



Green Pavement Marking

Transition Areas & Conflict Areas



High Visibility Areas & Safety Considerations



Street Lighting Options

GFI Outlets

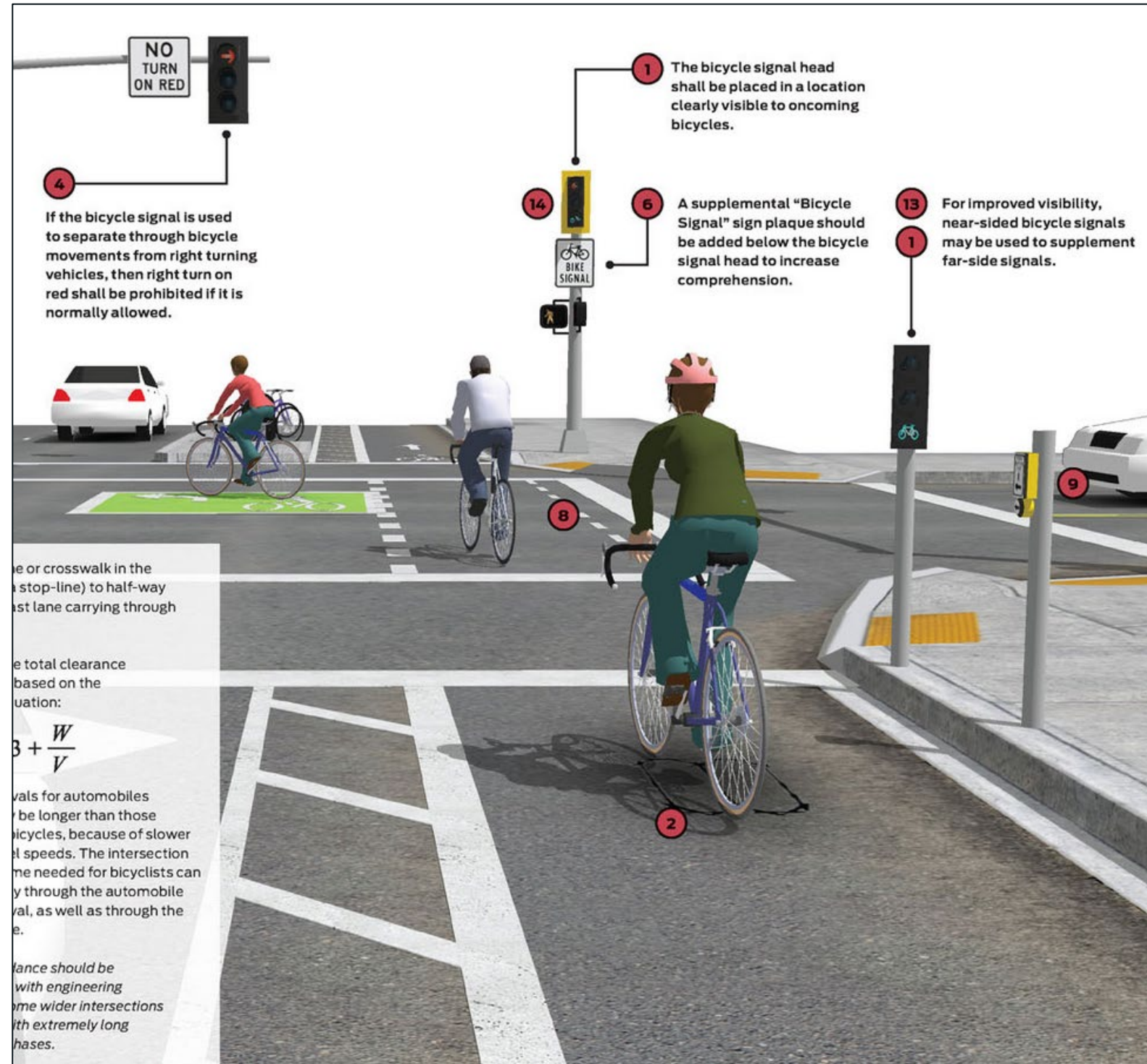


Decorative Poles, Banners, Hanging Planters



Bicycle Signals

NACTO Urban Bikeway Design Guide



Constructed Design

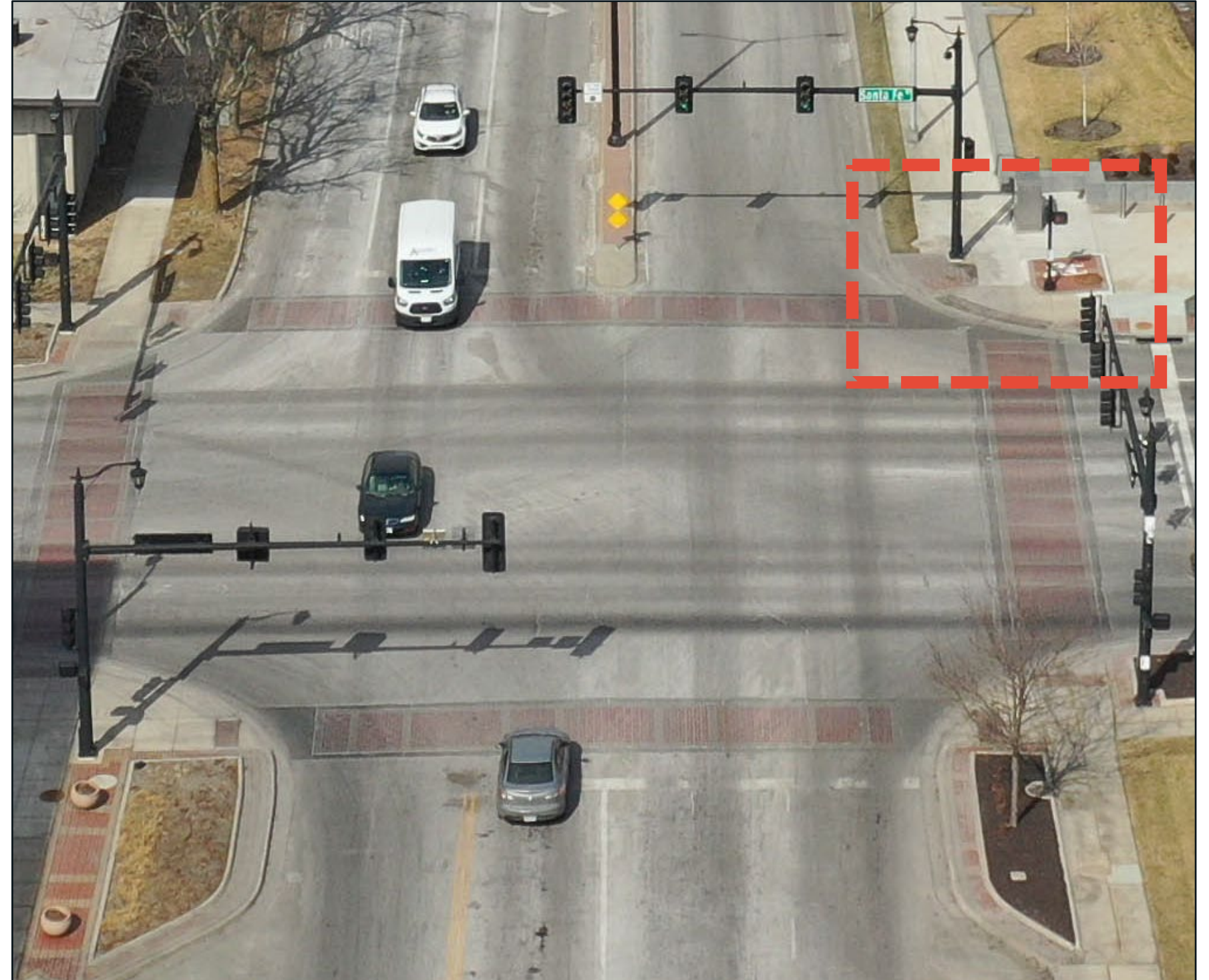


Signal Modifications

What Must be Rebuilt?



How Much Will Move?



Lessons Learned

Decision Making with the Client

Upfront Decisions

There is a lot to fit into a limited cross-section; minor changes will have numerous impacts.

- Know what you need room for as soon as possible.
- There are many decision makers; some are unknown.
- Each review will bring new ideas or changes to old ones.

- New constraints will appear at every stage of design.
- The Client will have opinions; it's a high-visibility project.

Constant Communication

Complete streets designs are iterative. Stay in regular communication on changes.

Level of Cycle Infrastructure

How much will be installed?

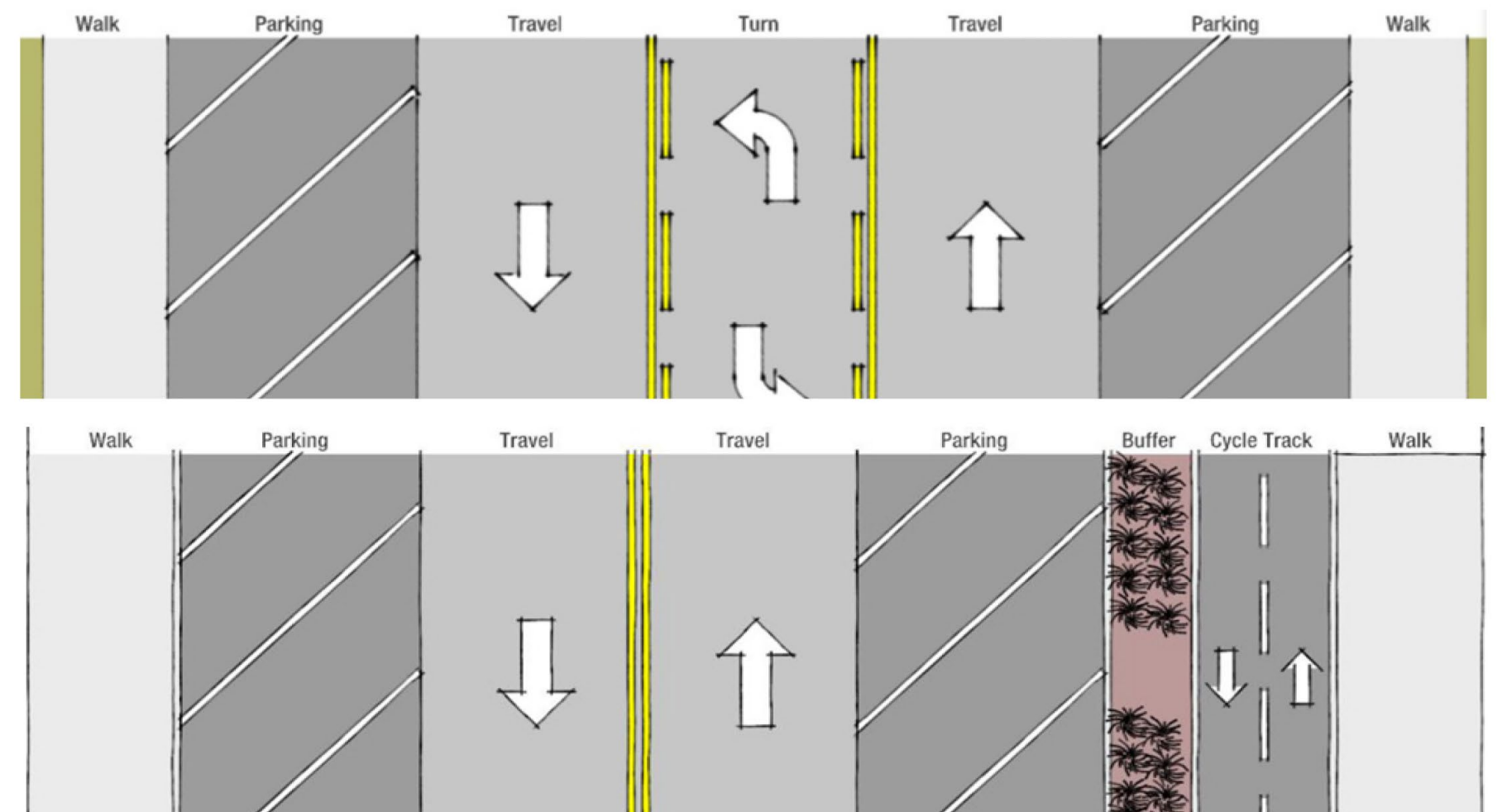
Money Interest Familiarity

- Geometric Design
- Buffer
- Pavement Marking
- Signing
- Signals

Master Plans vs. Engineering Design



Master Plans are not conceptual designs



Questions?



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