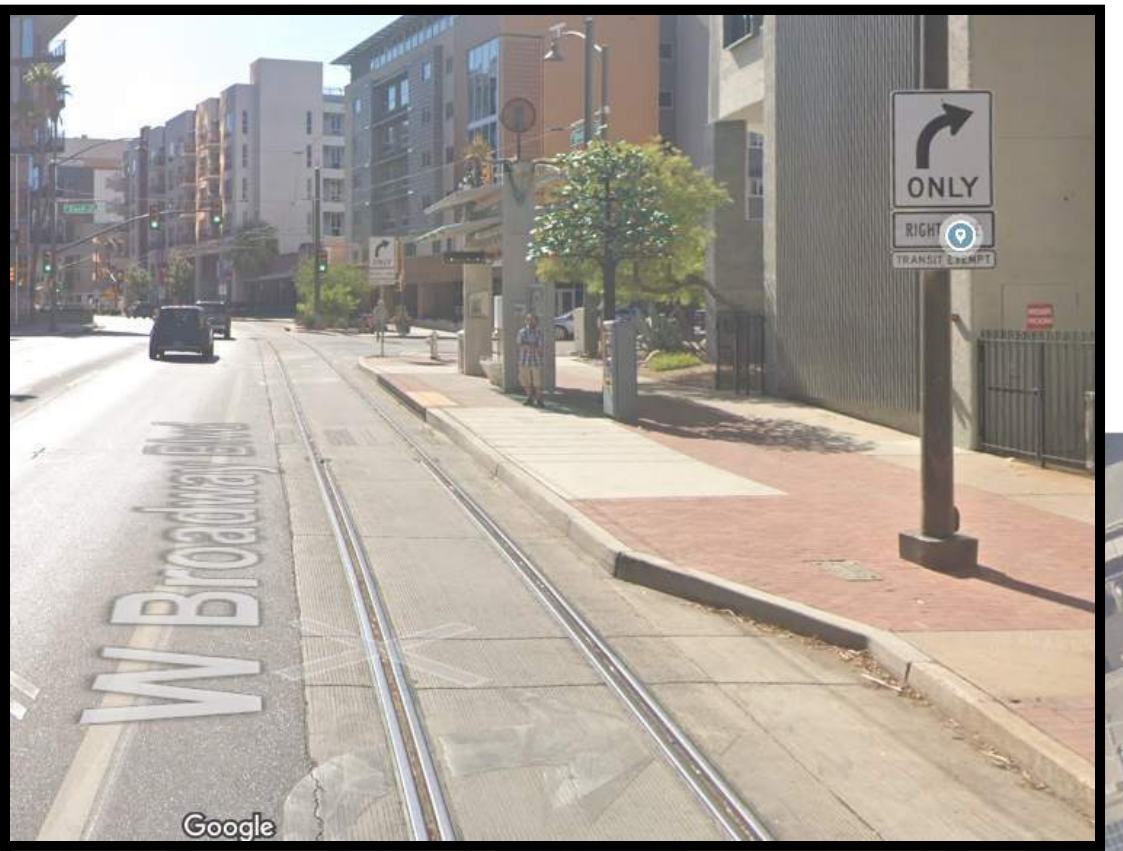


MATCHLINE

20TH ST

EXAMPLE OF TRANSIT-ONLY LANE, SHARED USE WITH RIGHT-TURNS

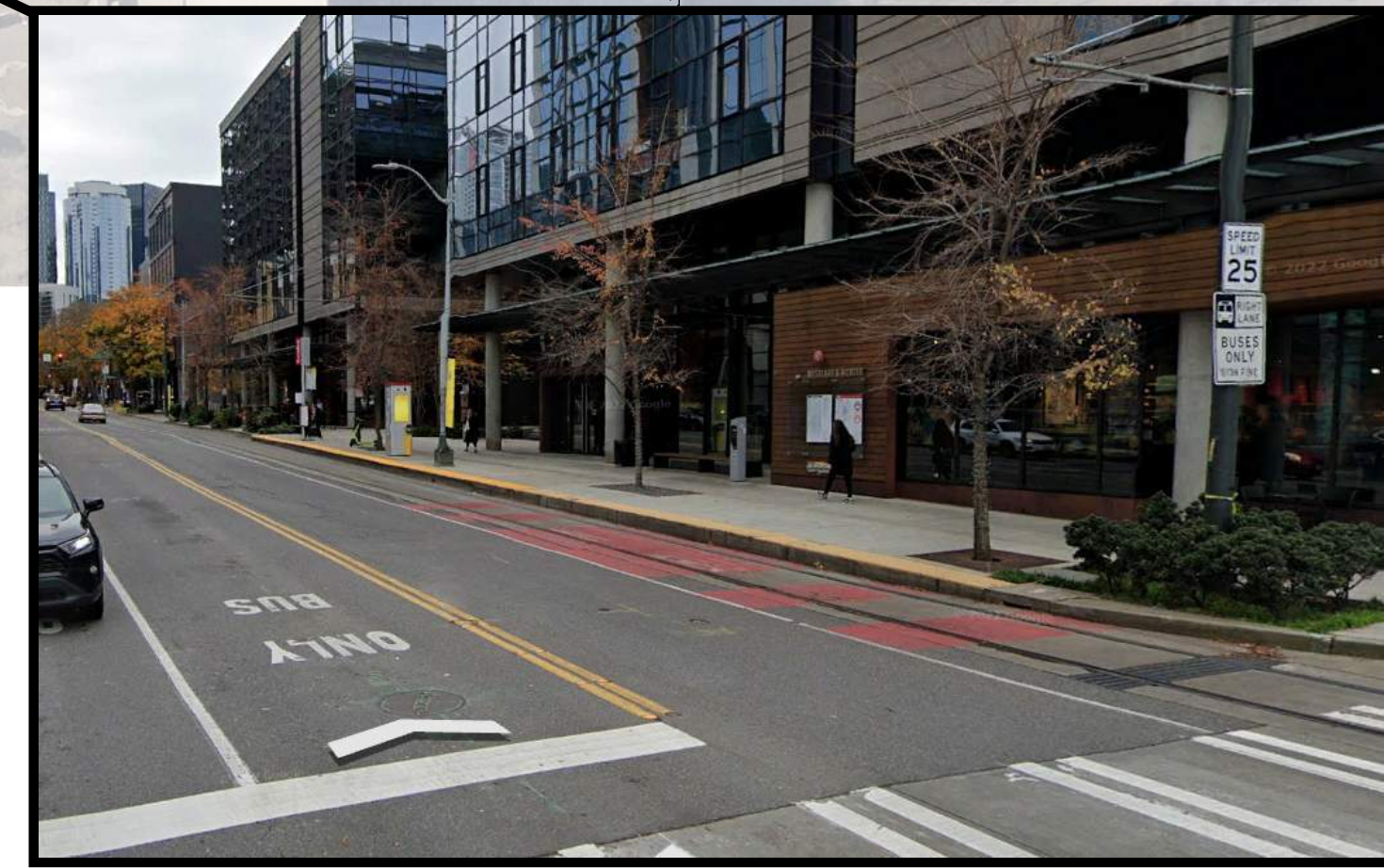


27TH ST SB STOP
8' X 80' SINGLE-SIDED PLATFORM

27TH ST NB STOP
8' X 77.5' SINGLE-SIDED PLATFORM

PERSHING RD NB STOP
8' X 77.5' SINGLE-SIDED PLATFORM

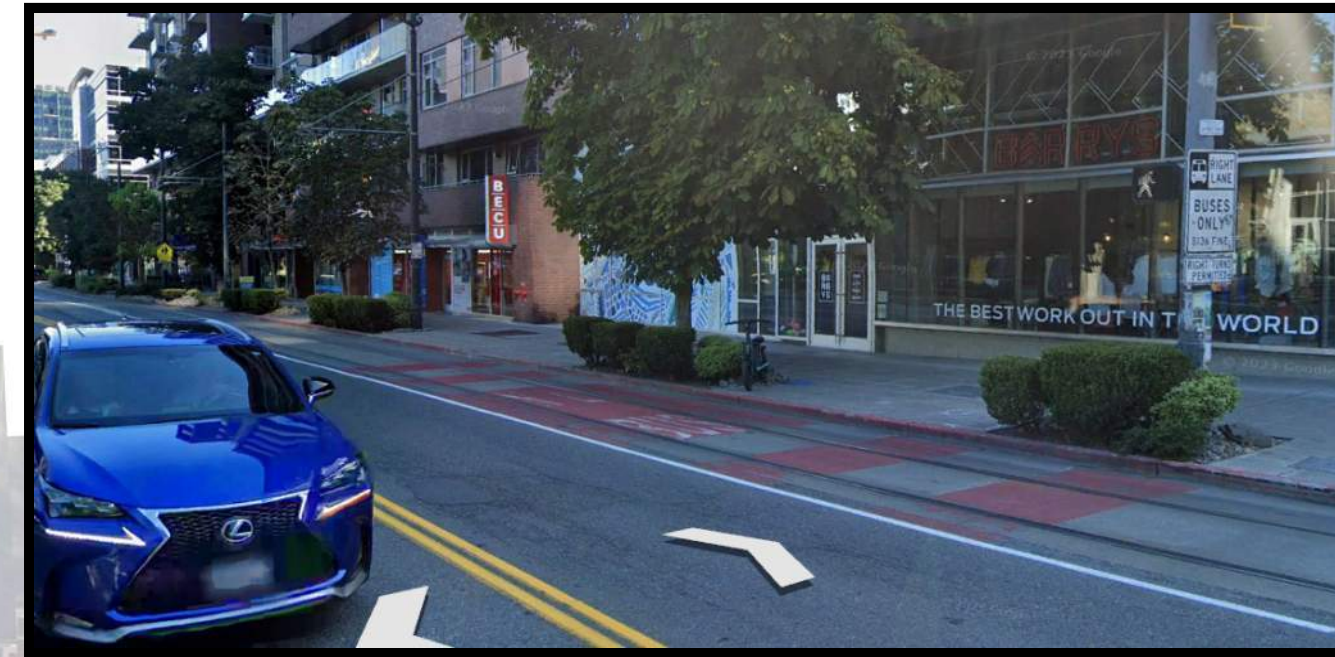
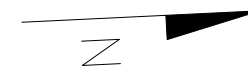
EXAMPLE OF TRANSIT-ONLY LANE PAVEMENT MARKINGS AT PLATFORM TRAILING INTERSECTION



Segment	Median Treatment	Streetcar Operational Concept		Issues / Considerations
		Southbound	Northbound	
20 th – Pershing	Transition from painted to raised median	Transition from BAT lane, to semi-exclusive transit-only "pocket"	Transition from BAT lane, to mixed traffic	<ul style="list-style-type: none"> Minor changes to striping and signing
Pershing – 27 th	Undivided	Exclusive lane (no change to design)	BAT lane	<ul style="list-style-type: none"> Minor changes to striping and signing

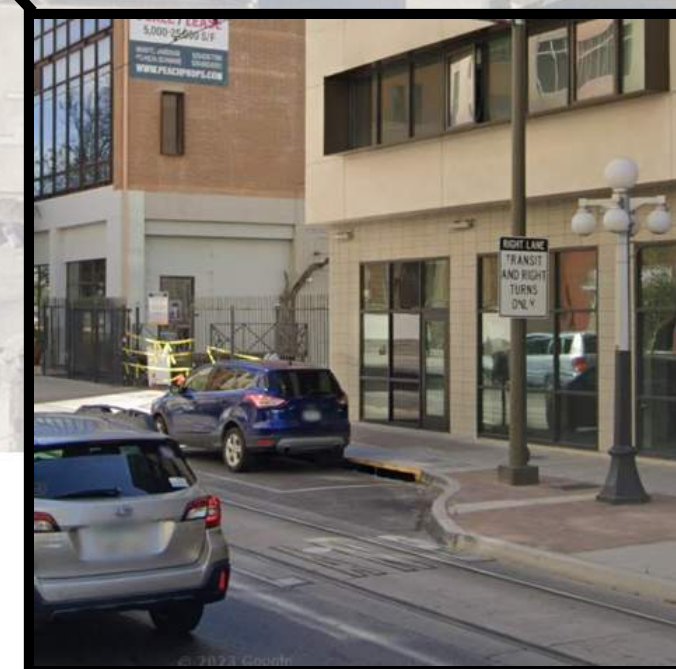
- STREETCAR TRACK
- TRANSIT ONLY LANE - EXCLUSIVE PROTECTED
- TRANSIT ONLY LANE - SHARED USE WITH RIGHT-TURNING VEHICLES & PARKING MOVEMENTS ALLOWED
- TRANSIT ONLY LANE - BUSINESS DISTRICT
- ON-STREET PARKING
- PAVEMENT MARKINGS
- RAISED MEDIAN
- CROSSWALK
- MULTI-USE TRAIL
- LANDSCAPE
- TRAFFIC SIGNAL - EXISTING
- TRAFFIC SIGNAL - NEW
- CAR STREETCAR VEHICLE
- STREETCAR PLATFORM
- DCS FOUNDATION
- GREEN INFRASTRUCTURE AREA
- PROPOSED PARKING LOT

KC STREETCAR
MAIN STREET EXTENSION
ALIGNMENT
OCTOBER 20, 2023
CONCEPTUAL DESIGN

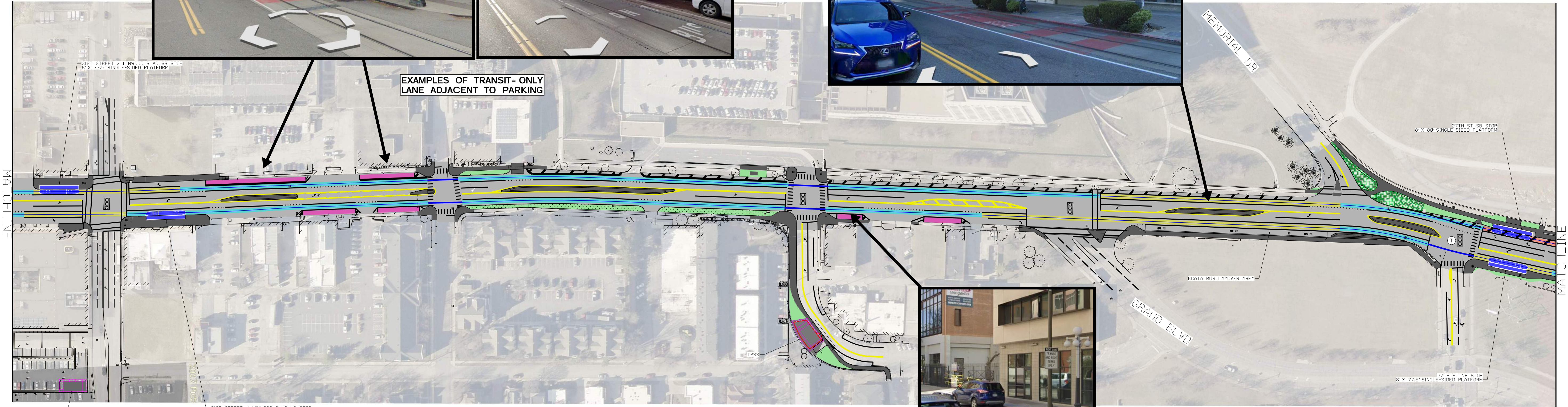


EXAMPLE OF TRANSIT-ONLY LANE ADJACENT TO CURB

EXAMPLES OF TRANSIT-ONLY LANE ADJACENT TO PARKING



EXAMPLE OF TRANSIT-ONLY LANE ADJACENT TO PARKING WITH BUMPOUT FOLLOWING INTERSECTION

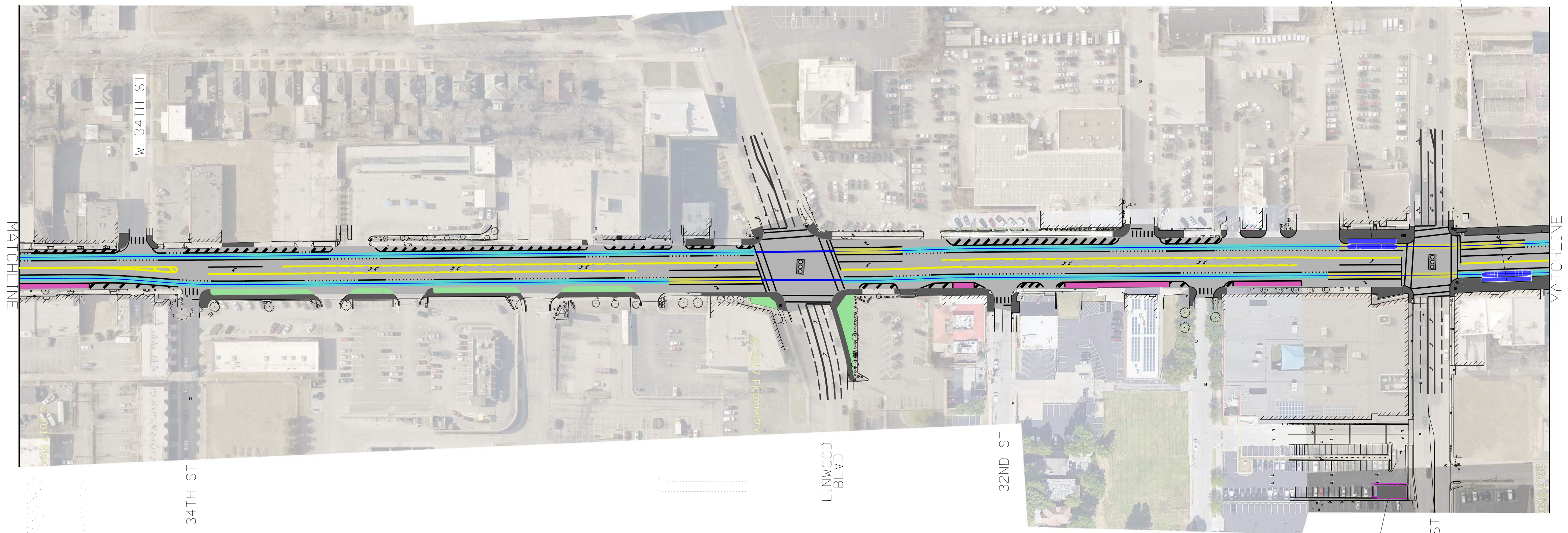


Segment	Median Treatment	Streetcar Operational Concept		Issues / Considerations
		Southbound	Northbound	
27 th – 31 st	Raised medians interspersed with turn lanes	BAT lanes		<ul style="list-style-type: none"> Potential 31st intersection congestion Minor changes to striping and signing

- LEGEND
- STREETCAR TRACK
 - TRANSIT ONLY LANE - EXCLUSIVE (PROTECTED)
 - TRANSIT ONLY LANE - SEMI-EXCLUSIVE (NON-PROTECTED)
 - TRANSIT ONLY LANE - BUSINESS ACCESS & TRANSIT (BATS) TURNING & PARKING MOVEMENTS ALLOWED
 - ON-STREET PARKING
 - PAVEMENT MARKINGS
 - RAISED MEDIAN
 - CROSSWALK
 - MULTI-USE TRAIL
 - LANDSCAPE
 - TRAFFIC SIGNAL (EXISTING)
 - TRAFFIC SIGNAL (NEW)
 - CAP STREETCAR VEHICLE
 - STREETCAR PLATFORM
 - OCS FOUNDATION
 - GREEN INFRASTRUCTURE AREA
 - PROPOSED PARKING LOT



KC STREETCAR
MAIN STREET EXTENSION
ALIGNMENT
OCTOBER 20, 2023



Segment	Median Treatment	Streetcar Operational Concept		Issues / Considerations
		Southbound	Northbound	
31 st – 34 th	Two-way left-turn lane (TWLTL)	Primarily BAT lanes, small sections of semi-Exclusive lanes		<ul style="list-style-type: none"> • Potential Linwood intersection congestion • Minor changes to striping and signing

- LEGEND
- STREETCAR TRACK
 - TRANSIT ONLY LANE - EXCLUSIVE (PROTECTED)
 - TRANSIT ONLY LANE - SEMI-EXCLUSIVE (NON-PROTECTED)
 - TRANSIT ONLY LANE - BUSINESS ACCESS & TRANSIT (BATT) TURNING & PARKING MOVEMENTS ALLOWED
 - ON-STREET PARKING
 - PAVEMENT MARKINGS
 - RAISED MEDIAN
 - CROSSWALK
 - MULTI-USE TRAIL
 - LANDSCAPE
 - TRAFFIC SIGNAL (EXISTING)
 - TRAFFIC SIGNAL (NEW)
 - CAF STREETCAR VEHICLE
 - STREETCAR PLATFORM
 - OCS FOUNDATION
 - GREEN INFRASTRUCTURE AREA
 - PROPOSED PARKING LOT



KC STREETCAR
 MAIN STREET EXTENSION
 ALIGNMENT
 OCTOBER 20, 2023

CONCEPTUAL DESIGN

100 SCALE

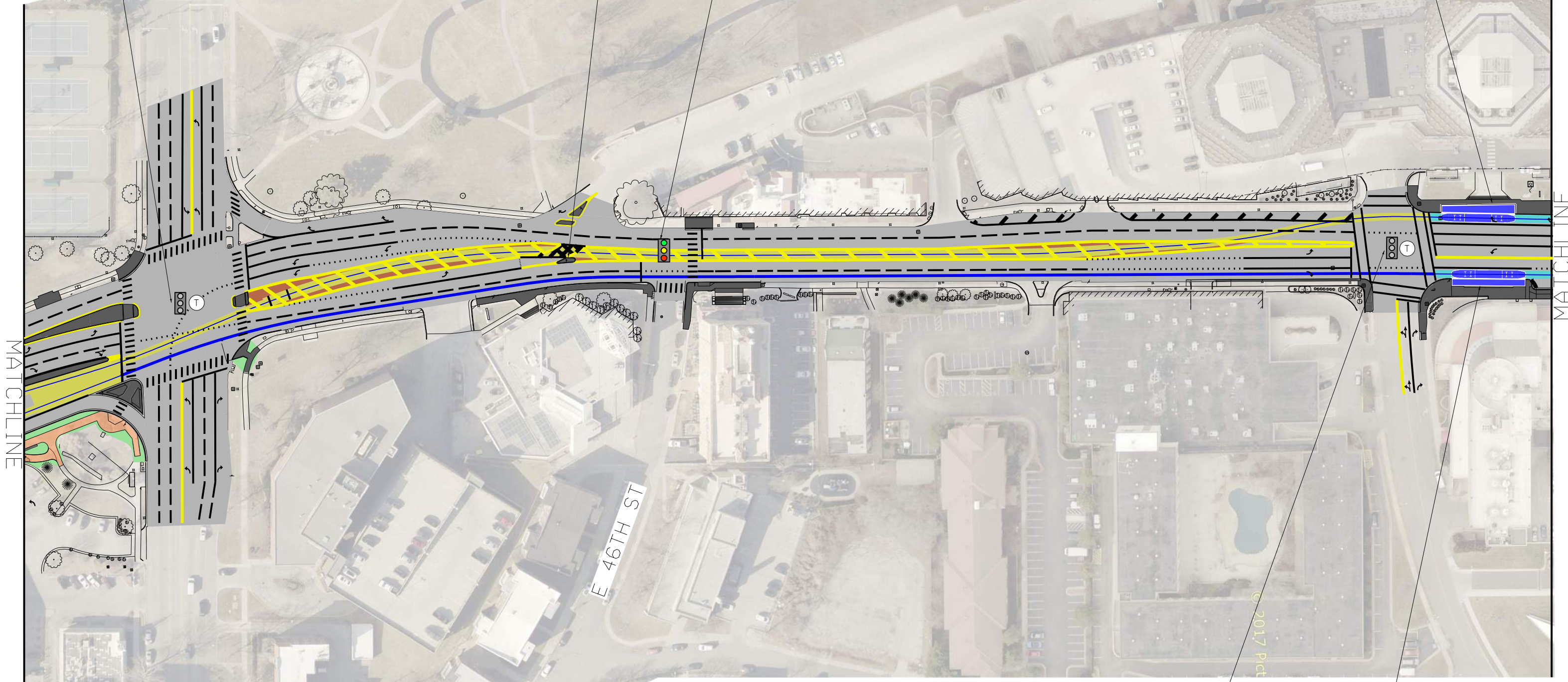
CONCEPTUAL DESIGN

MODIFY SIGNALS AT EMANUEL
CLEAVER II BLVD TO INCLUDE
TRANSIT-ONLY PHASE

47TH ST

RAISED MEDIAN
CONVERT HAWK SIGNAL TO TRAFFIC
SIGNAL AND INTERCONNECT WITH
CLEAVER AND 45TH.

45TH ST SB STOP
8' X 7.55' SINGLE-SIDED PLATFORM



MATCHLINE

MATCHLINE

EMANUEL
CLEAVER II BLVD

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E 46TH ST

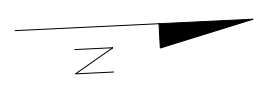
MODIFY SIGNALS AT E 45TH
STREET TO INCLUDE
TRANSIT-ONLY PHASE

45TH ST NB STOP
8' X 7.55' SINGLE-SIDED PLATFORM

E 45TH ST

Segment	Median Treatment	Streetcar Operational Concept		Issues / Considerations
		Southbound	Northbound	
45 th - Cleaver II	Painted median	Semi-exclusive center lane (no change to design)	Mixed traffic south of 45 th , BAT lane north of 45 th	• Minor changes to striping and signing

- LEGEND
- STREETCAR TRACK
 - TRANSIT ONLY LANE - EXCLUSIVE (PROTECTED)
 - TRANSIT ONLY LANE - SEMI-EXCLUSIVE (NON-PROTECTED)
 - TRANSIT ONLY LANE - BUSINESS ACCESS & TRANSIT (BAT) (TURNING & PARKING MOVEMENTS ALLOWED)
 - ON-STREET PARKING
 - PAVEMENT MARKINGS
 - RAISED MEDIAN
 - CROSSWALK
 - MULTI-USE TRAIL
 - LANDSCAPE
 - TRAFFIC SIGNAL (EXISTING)
 - TRAFFIC SIGNAL (NEW)
 - CAF STREETCAR VEHICLE
 - STREETCAR PLATFORM
 - OCS FOUNDATION
 - GREEN INFRASTRUCTURE AREA
 - PROPOSED PARKING LOT

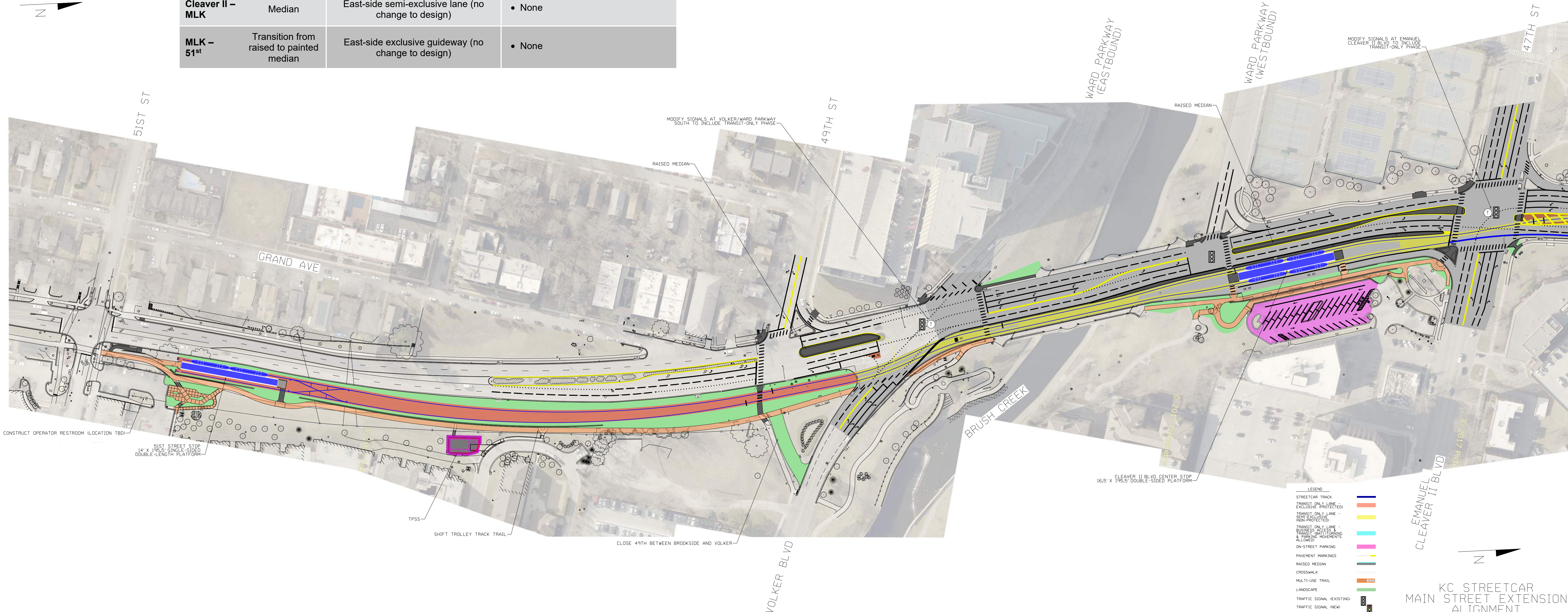


KC STREETCAR
MAIN STREET EXTENSION
ALIGNMENT
OCTOBER 20, 2023

CONCEPTUAL DESIGN

CONCEPTUAL DESIGN

Segment	Median Treatment	Streetcar Operational Concept		Issues / Considerations
		Southbound	Northbound	
Cleaver II – MLK	Median	East-side semi-exclusive lane (no change to design)		• None
MLK – 51st	Transition from raised to painted median	East-side exclusive guideway (no change to design)		• None



CONSTRUCT OPERATOR RESTROOM (LOCATION TBD)

51ST STREET STOP
14' X 195.5' SINGLE-SIDED
DOUBLE-LENGTH PLATFORM

TPSS

SHIFT TROLLEY TRACK TRAIL

CLOSE 49TH BETWEEN BROOKSIDE AND VOLKER

VOLKER BLVD

CLEAVER II BLVD CENTER STOP
16.5' X 195.5' DOUBLE-SIDED PLATFORM

- LEGEND
- STREETCAR TRACK
 - TRANSIT ONLY LANE - EXCLUSIVE (PROTECTED)
 - TRANSIT ONLY LANE - SEMI-EXCLUSIVE (NON-PROTECTED)
 - TRANSIT ONLY LANE - BUSINESS ACCESS (TRANSIT GRATING/PARKING & PARKING MOVEMENTS ALLOWED)
 - ON-STREET PARKING
 - PAVEMENT MARKINGS
 - RAISED MEDIAN
 - CROSSWALK
 - MULTI-USE TRAIL
 - LANDSCAPE
 - TRAFFIC SIGNAL (EXISTING)
 - TRAFFIC SIGNAL (NEW)
 - CAP STREETCAR VEHICLE
 - STREETCAR PLATFORM
 - OCS FOUNDATION
 - GREEN INFRASTRUCTURE AREA
 - PROPOSED PARKING LOT

KC STREETCAR
MAIN STREET EXTENSION
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OCTOBER 20, 2023

CONCEPTUAL DESIGN