ALL ESTIMATED COSTS
BASED ON 2016 PRICES

FEASABILITY CONCEPT -
Medlock Bridge
Alternative MB-004

Pavement
Sidewalk
Concrete Island
Parking Removal

SPEED LIMIT 25

ARCADIS
Infrastructure, environment, buildings

SCALE IN FEET
0 50 100 200

ALL ESTIMATED COSTS
BASED ON 2016 PRICES

ALTERNATIVE 2:
TOTAL ESTIMATED COST:$5,000,000
ADVANTAGES:
- PROVIDES ALTERNATE ROUTE FOR LOCAL TRAFFIC

CHALLENGES:
- REDUCES PARKING
- IMPACTS BUSINESS

Medlock Bridge Rd
Medlock Crossing Pkwy
State Bridge Rd
CHASE BANK
SHOPPING CENTER
TARGET
REQUIRED BUSINESS PURCHASE

ALL ESTIMATED COSTS
BASED ON 2016 PRICES

ALTERNATIVE 3:
TOTAL ESTIMATED COST:$9,000,000
ADVANTAGES:
- PROVIDES ALTERNATE ROUTE FOR LOCAL TRAFFIC

CHALLENGES:
- DIFFICULT CONSTRUCTION
- CHALLENGING ACCESS

Medlock Crossing Pkwy

Medlock Bridge Rd

State Bridge Rd

HONEY BAKED HAM

TARGET

HOME DEPOT

PARKWAY BAPTIST CHURCH OF DULUTH

FEASABILITY CONCEPT -
Medlock Bridge
Alternative MB-004A

- Pavement
- Sidewalk
- Concrete Island
- Pavememt Removal

SPEED LIMIT 25

ARCADIS
Infrastructure, environment, buildings

SCALE IN FEET
0 80 160 320

ACCESS REDUCED OR ELIMINATED

ALTERNATIVE 4:
TOTAL ESTIMATED COST:$13,500,000
ADVANTAGES:
- PROVIDES ALTERNATE ROUTE FOR LOCAL TRAFFIC

CHALLENGES:
- REDUCES PARKING
- IMPACTS BUSINESS
- DIFFICULT CONSTRUCTION
- CHALLENGING ACCESS

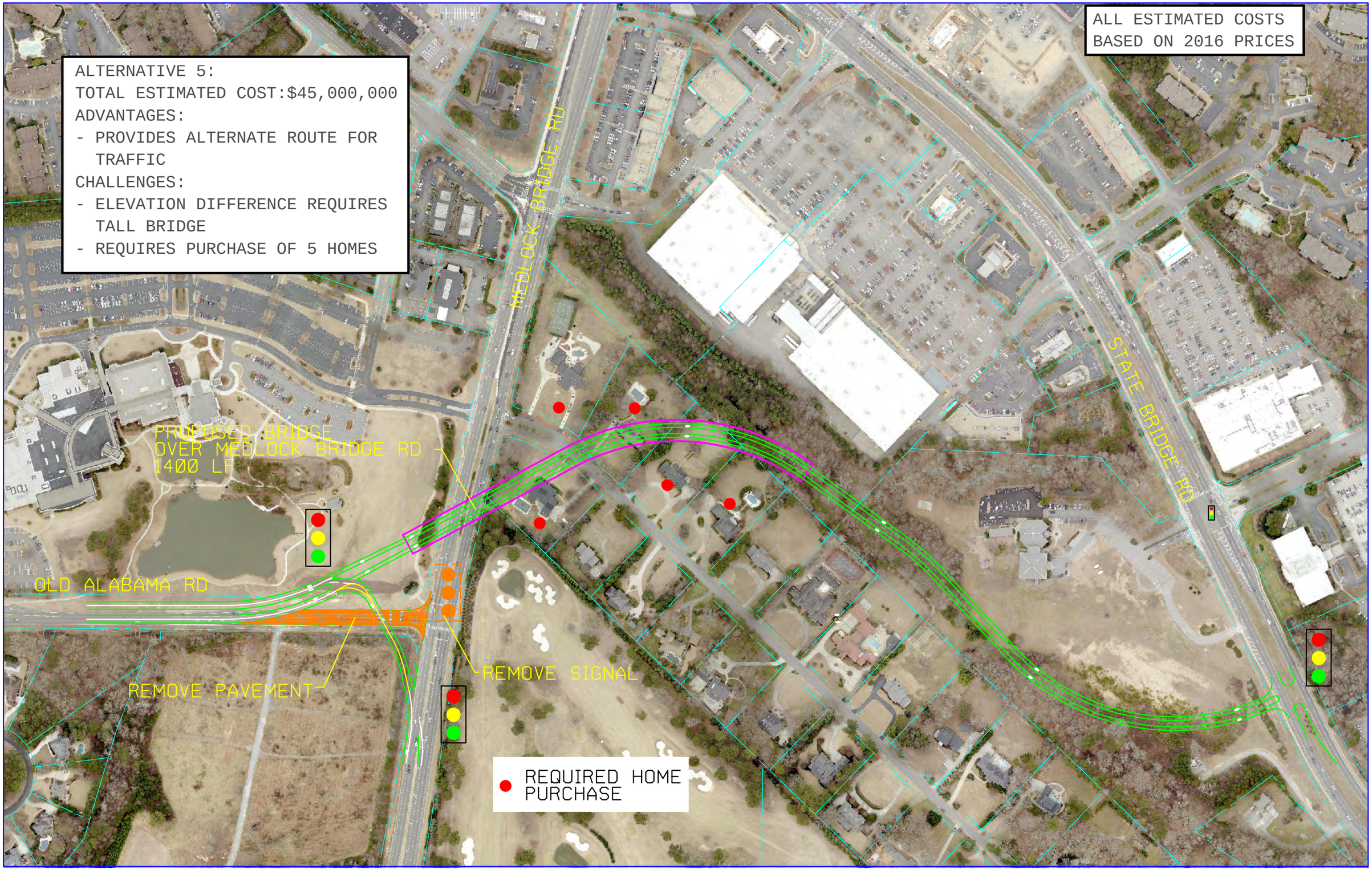
ALL ESTIMATED COSTS BASED ON 2016 PRICES

ACCESS REDUCED OR ELIMINATED

ALTERNATIVE 5:
TOTAL ESTIMATED COST:$45,000,000
ADVANTAGES:
- PROVIDES ALTERNATE ROUTE FOR TRAFFIC

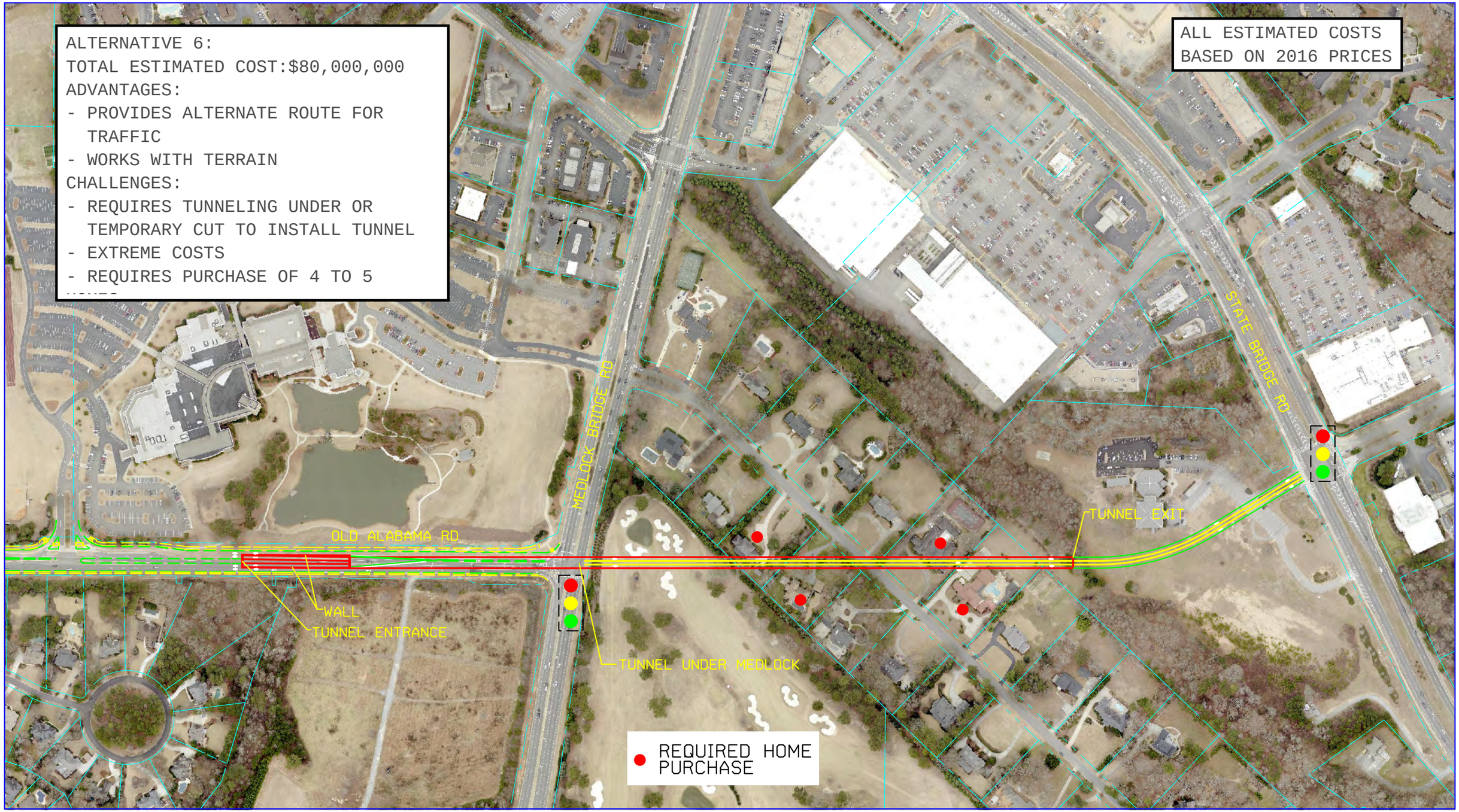
CHALLENGES:
- ELEVATION DIFFERENCE REQUIRES TALL BRIDGE
- REQUIRES PURCHASE OF 5 HOMES

ALL ESTIMATED COSTS BASED ON 2016 PRICES



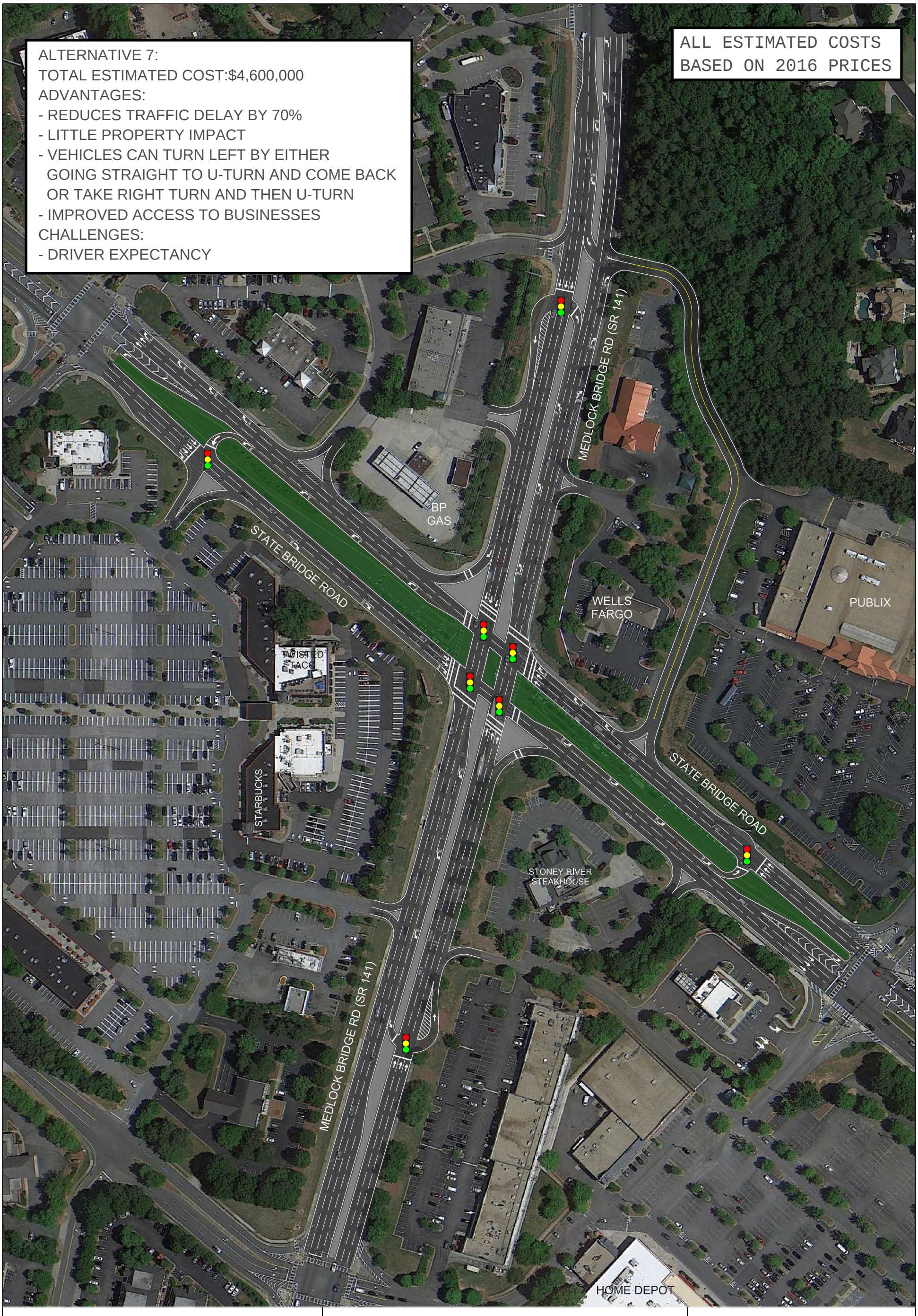
ALTERNATIVE 6:
TOTAL ESTIMATED COST:$80,000,000
ADVANTAGES:
- PROVIDES ALTERNATE ROUTE FOR TRAFFIC
- WORKS WITH TERRAIN
CHALLENGES:
- REQUIRES TUNNELING UNDER OR TEMPORARY CUT TO INSTALL TUNNEL
- EXTREME COSTS
- REQUIRES PURCHASE OF 4 TO 5

ALL ESTIMATED COSTS
BASED ON 2016 PRICES



ALTERNATIVE 7:
TOTAL ESTIMATED COST:$4,600,000
ADVANTAGES:
- REDUCES TRAFFIC DELAY BY 70%
- LITTLE PROPERTY IMPACT
- VEHICLES CAN TURN LEFT BY EITHER
  GOING STRAIGHT TO U-TURN AND COME BACK
  OR TAKE RIGHT TURN AND THEN U-TURN
- IMPROVED ACCESS TO BUSINESSES
CHALLENGES:
- DRIVER EXPECTANCY

ALL ESTIMATED COSTS
BASED ON 2016 PRICES



PARSONS BRINCKERHOFF

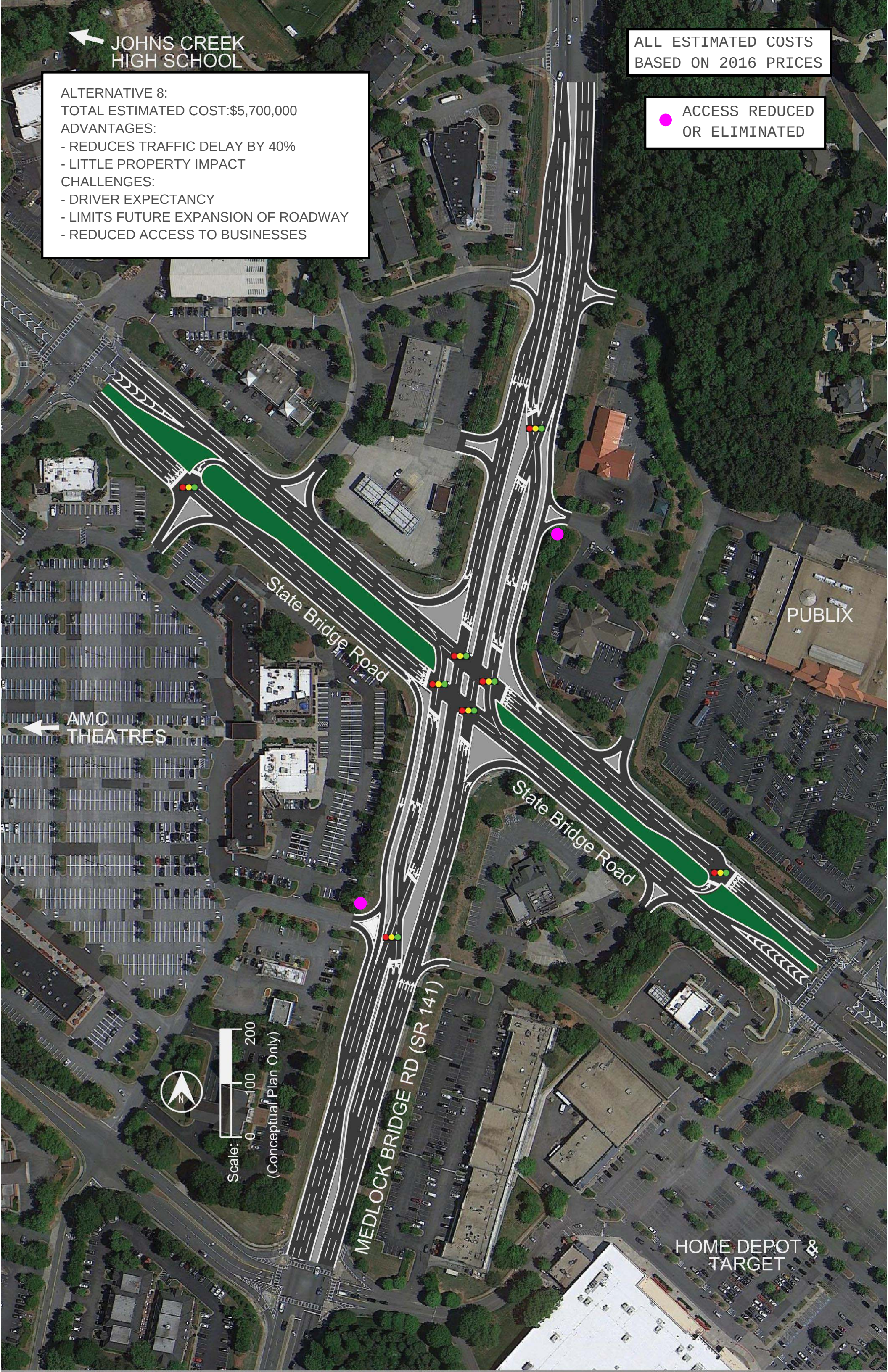
Johns Creek
be the exception

PREFERRED IMPROVMENT CONCEPT
MEDIAN U-TURN / ThrU INTERSECTION

N

SR 141 AT STATE BRIDGE RD
INNOVATIVE INTERSECTION
OPERATIONAL STUDY

SCALE: 1"=150'
Date: 06/25/2015


JOHNS CREEK HIGH SCHOOL
ALTERNATIVE 8:
TOTAL ESTIMATED COST:$5,700,000
ADVANTAGES:
- REDUCES TRAFFIC DELAY BY 40%
- LITTLE PROPERTY IMPACT
CHALLENGES:
- DRIVER EXPECTANCY
- LIMITS FUTURE EXPANSION OF ROADWAY
- REDUCED ACCESS TO BUSINESSES
ALL ESTIMATED COSTS BASED ON 2016 PRICES
ACCESS REDUCED OR ELIMINATED
State Bridge Road
PUBLIX
AMC THEATRES
State Bridge Road
MEDLOCK BRIDGE RD (SR 141)
HOME DEPOT & TARGET
Scale: 0 100 200
(Conceptual Plan Only)
N

ALTERNATIVE 9:
TOTAL ESTIMATED COST:$49,000,000
ADVANTAGES:
- ALLOWS FREE FLOW THRU MOVEMENTS
CHALLENGES:
- IMPACTS BUSINESSES AND ACCESS
- REQUIRES PURCHASE OF COMMERCIAL PROPERTIES

ALL ESTIMATED COSTS BASED ON 2016 PRICES

LEGEND
RETAINING WALL
PROPOSED EP
STRUCTURE
MEDIAN BARRIER
SIDEWALK
REQUIRED BUSINESS PURCHASE

REQUIRED BUSINESS PURCHASE

ACCESS REDUCED OR ELIMINATED

SINGLE POINT URBAN INTERCHANGE
SR 141 OVER STATE BRIDGE ROAD

PROPOSED BRIDGE
400 LF

SR 141 / WEDLOCK BRIDGE RD

STATE BRIDGE RD