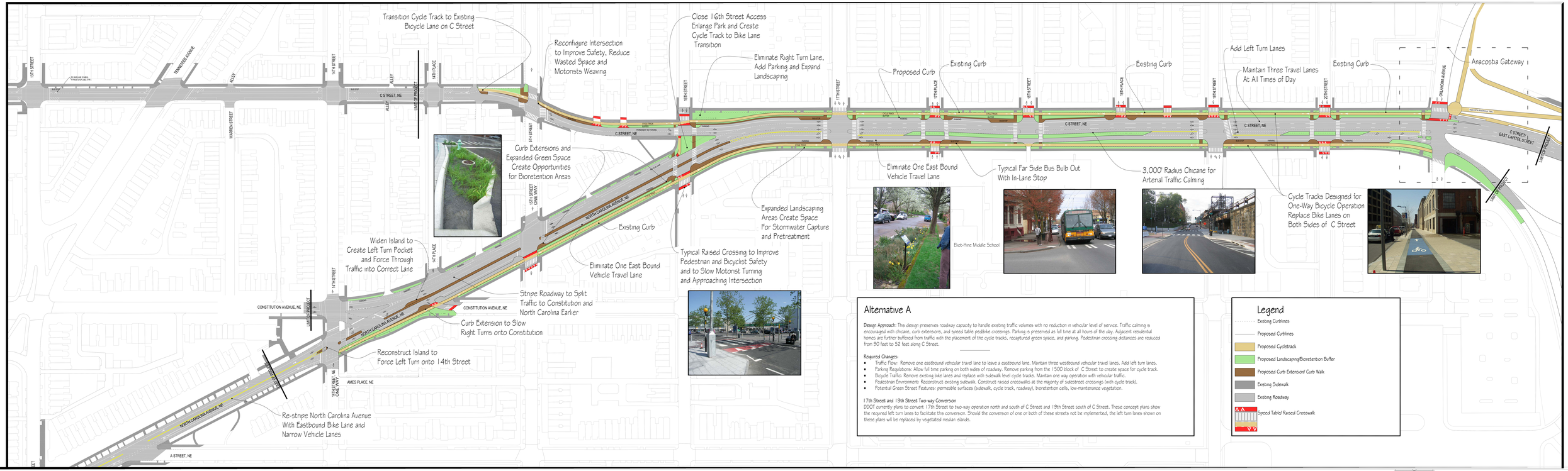
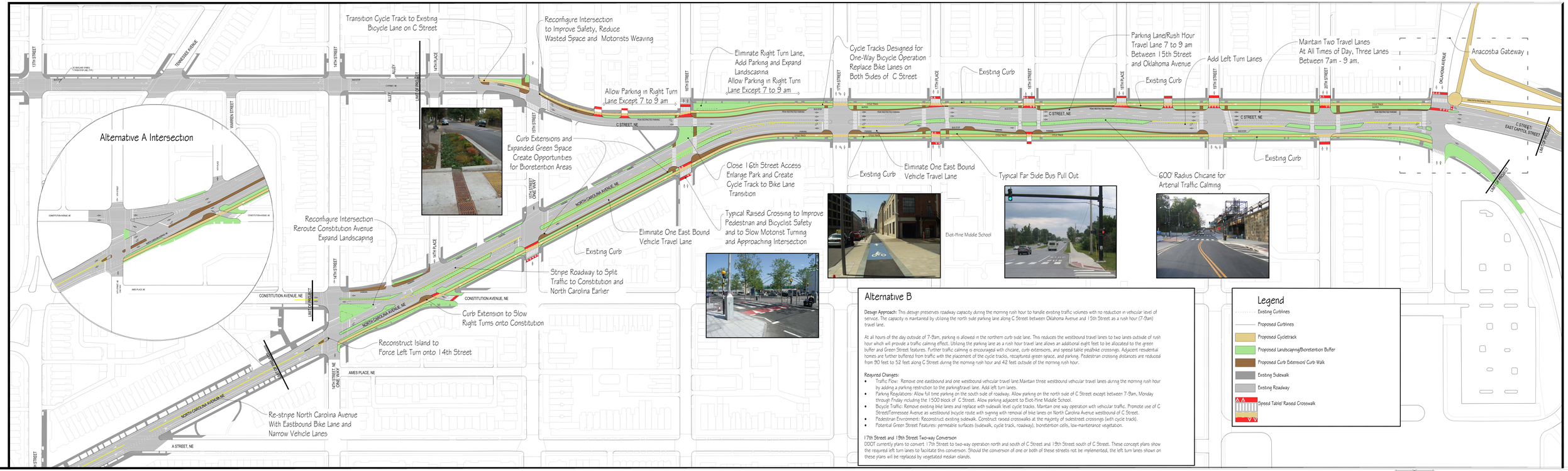


ToolеDesignGroup
8625 BELGREET ROAD, SUITE 400
HYATTSVILLE, MARYLAND 20782
PLANNING | ENGINEERING
301.927.1900

C STREET GREEN STREET-CONCEPT A

NORTH

APRIL 19, 2010

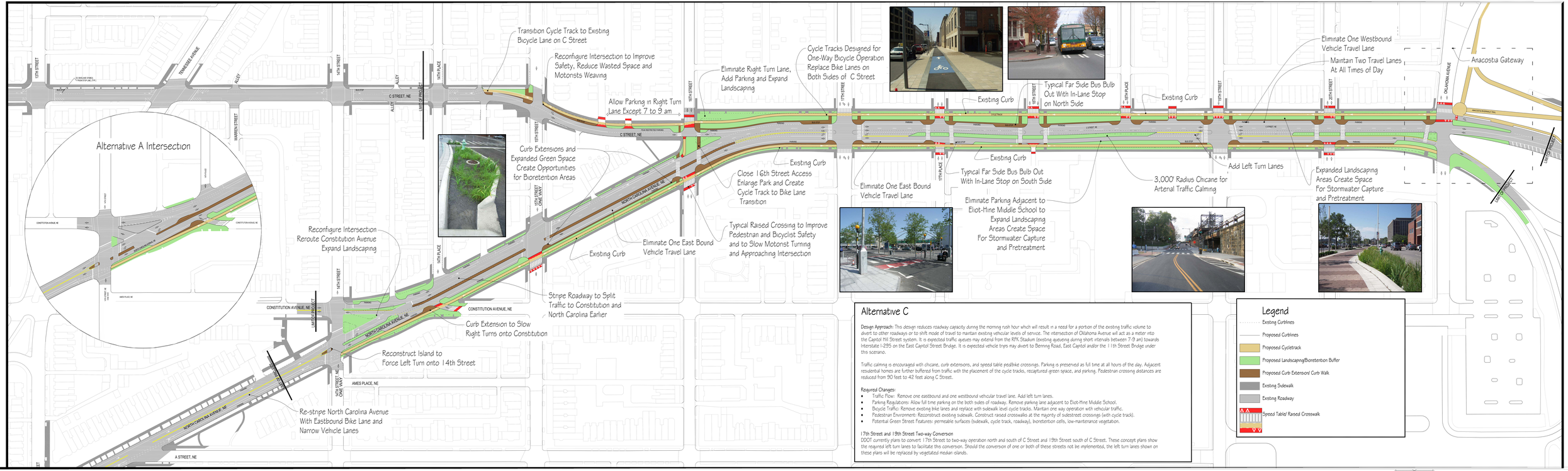


ToolePlanningGroup
6525 BELCREST ROAD, SUITE 400
HYATTSVILLE, MARYLAND 20782
PLANNING | ENGINEERING
301.927.1900

C STREET GREEN STREET-CONCEPT B

NORTH

APRIL 19, 2010



Alternative C

Design Approach: This design reduces roadway capacity during the morning rush hour which will result in a need for a portion of the existing traffic volume to divert to other roadways or to shift mode of travel to maintain existing vehicular levels of service. The intersection of Oklahoma Avenue will act as a meter into the Capitol Hill Street system. It is expected traffic queues may extend from the RFK Stadium (existing queueing during short intervals between 7-9 am) towards Interstate I-295 on the East Capitol Street Bridge. It is expected vehicle trips may divert to Benning Road, East Capitol and/or the 11th Street Bridge under this scenario.

Traffic calming is encouraged with chicane, curb extensions, and speed table pedbike crossings. Parking is preserved as full time at all hours of the day. Adjacent residential homes are further buffered from traffic with the placement of the cycle tracks, recaptured green space, and parking. Pedestrian crossing distances are reduced from 90 feet to 42 feet along C Street.

Required Changes:

- Traffic Flow: Remove one eastbound and one westbound vehicular travel lane. Add left turn lanes.
- Parking Regulations: Allow full time parking on the both sides of roadway. Remove parking lane adjacent to Eliot-Hine Middle School.
- Bicycle Traffic: Remove existing bike lanes and replace with sidewalk level cycle tracks. Maintain one way operation with vehicular traffic.
- Pedestrian Environment: Reconstruct existing sidewalk. Construct raised crosswalks at the majority of sidestreet crossings (with cycle track).
- Potential Green Street Features: permeable surfaces (sidewalk, cycle track, roadway), bioretention cells, low-maintenance vegetation.

17th Street and 19th Street Two-way Conversion

DDOT currently plans to convert 17th Street to two-way operation north and south of C Street and 19th Street south of C Street. These concept plans show the required left turn lanes to facilitate this conversion. Should the conversion of one or both of these streets not be implemented, the left turn lanes shown on these plans will be replaced by vegetated median islands.

ToolleDesignGroup
8625 BELGREET ROAD, SUITE 400
HYATTSVILLE, MARYLAND 20782
PLANNING | ENGINEERING
301.927.1900

C STREET GREEN STREET-CONCEPT C

NORTH

APRIL 19, 2010