

MMIP Express Lanes Access Points

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March 15, 2018
Atlanta MPO-TCC



Access Points– Topics for Discussion

- MMIP Delivery Overview
- Background
 - Previous planning efforts, evolution of access points, current efforts
- Access Prioritization Process
 - Express Lane Network Implementation & Operations Manual
- Key Points
- Next Steps

MMIP Delivery Roles

- ARC/MPO
 - Coordinating planning efforts (RTP/TIP)
- GDOT P3 Division & Office of Innovative Delivery
- Program Management Consultant (PMC)
 - Supplements GDOT staff
 - *Developing Express Lane Network Implementation & Operations Manual*
- General Engineering Consultant (GEC)
 - Responsible for Pre-Let (and some Post-Let) activities
- Developer
 - Responsible for Post-Let activities

Express Lanes Access History

HOV Strategic Implementation Plan (2003)



ML System Plan (2009)



ML Implementation Plan (2015)



Major Mobility Investment Program (2016)

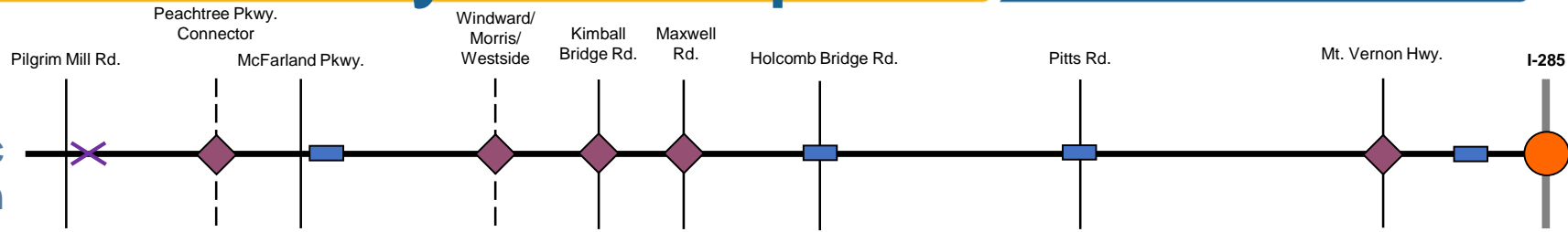
Community Improvement Districts

MMIP EL System Buildout (2028)

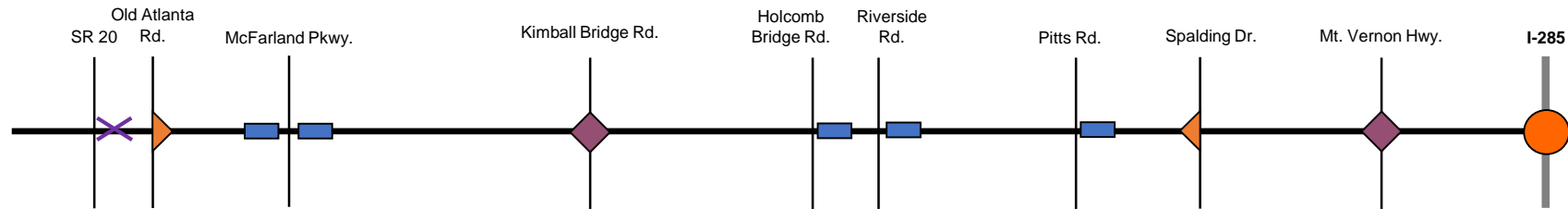


Access History Example

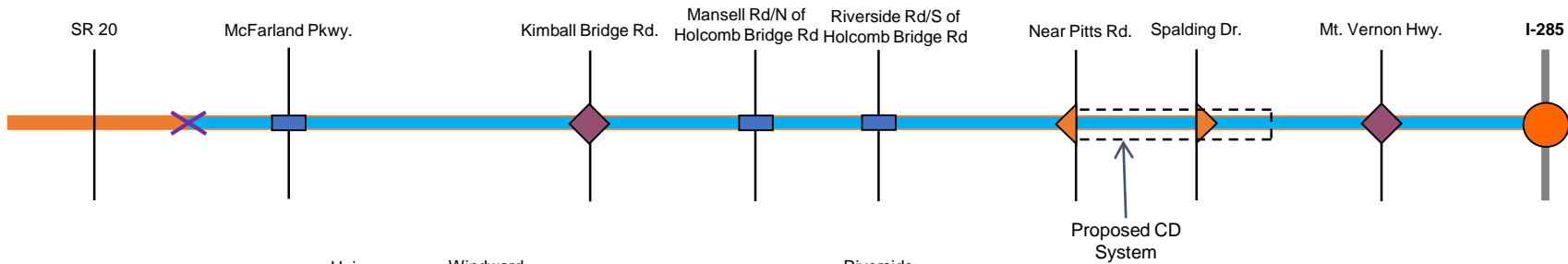
HOV Strategic Implementation Plan (2003)



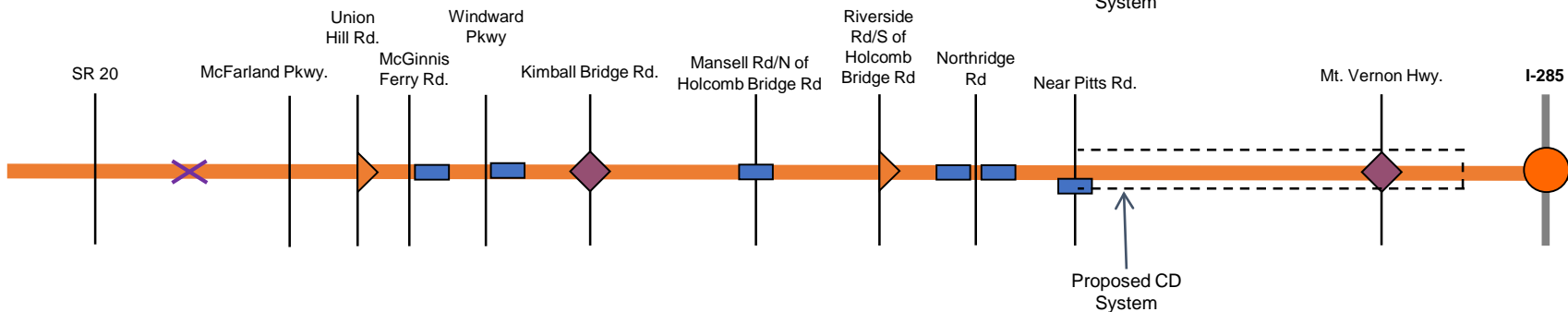
MLSP (2009)



MLIP (2015)



MMIP (2016)



- System to System
- Full Drop Ramp
- Half Drop Ramp
- Direct Merge
- Terminal Slip Ramp

MMIP Express Lanes – Laneage and Access Assumptions (January 2018 Update)

Legend

Access Type

- Full Direct Merge
- Full Express Lane Interchange
- Partial Direct Merge
- Half Express Lane Interchange (Green half-circle indicates on/off ramp direction)
- EL-EL System Interchange
- EL-GP System Interchange
- Terminal Ramp

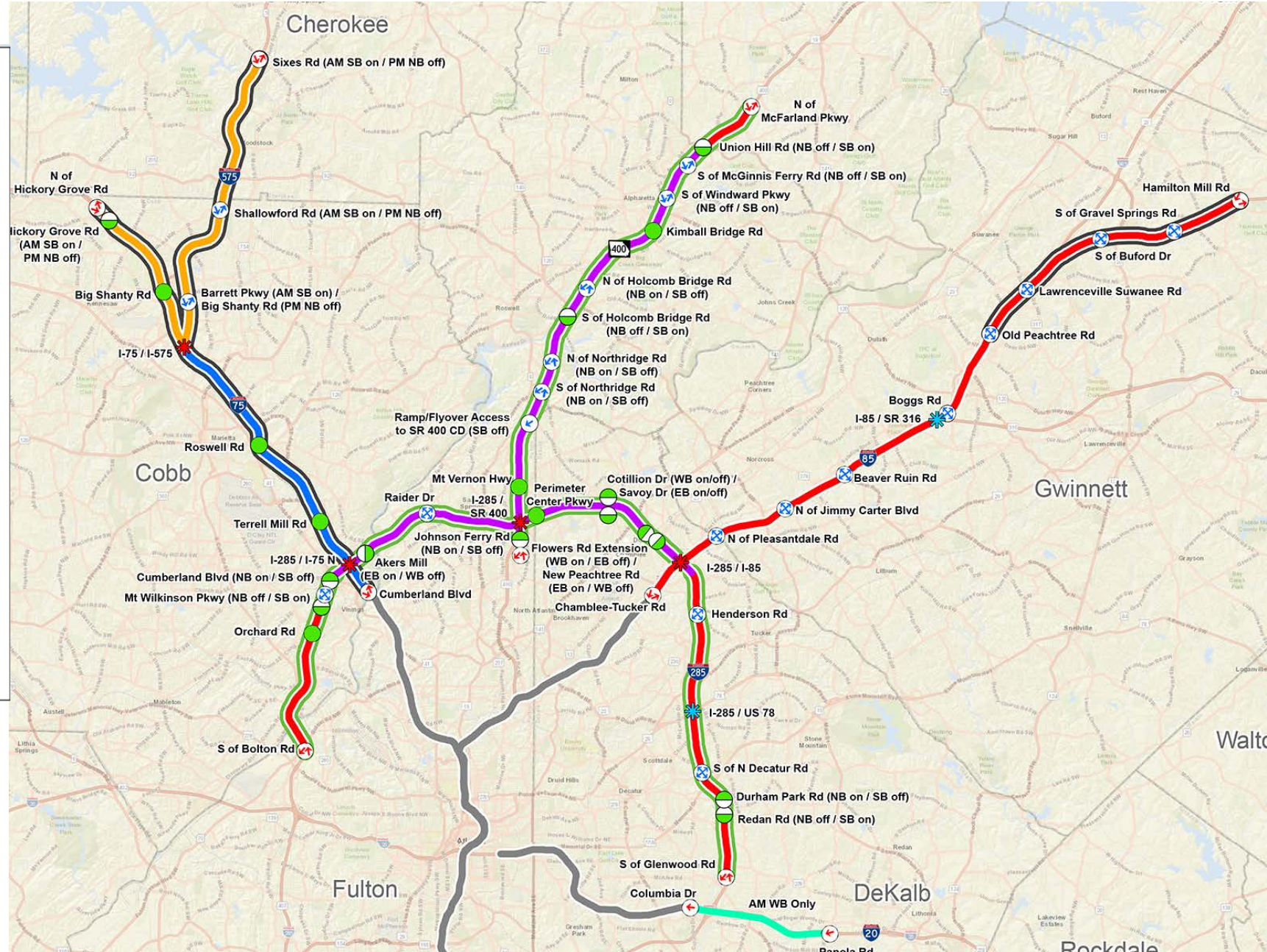
Express Lane

- Existing HOV
- 1 Lane Bi-directional
- 1 Lane Reversible
- 2 Lanes Bi-directional
- 2 Lanes Reversible

Status

- Under Construction
- MMIP
- L RTP

New Limits
 Ramp



This map shows **POTENTIAL** access points for the express lane network. Final access point locations and types will be determined as a result of future analysis and consideration during the NEPA Process.

Express Lanes Access Point Examples



Half-Diamond Direct Arterial Access



Full-Diamond Direct Arterial Access



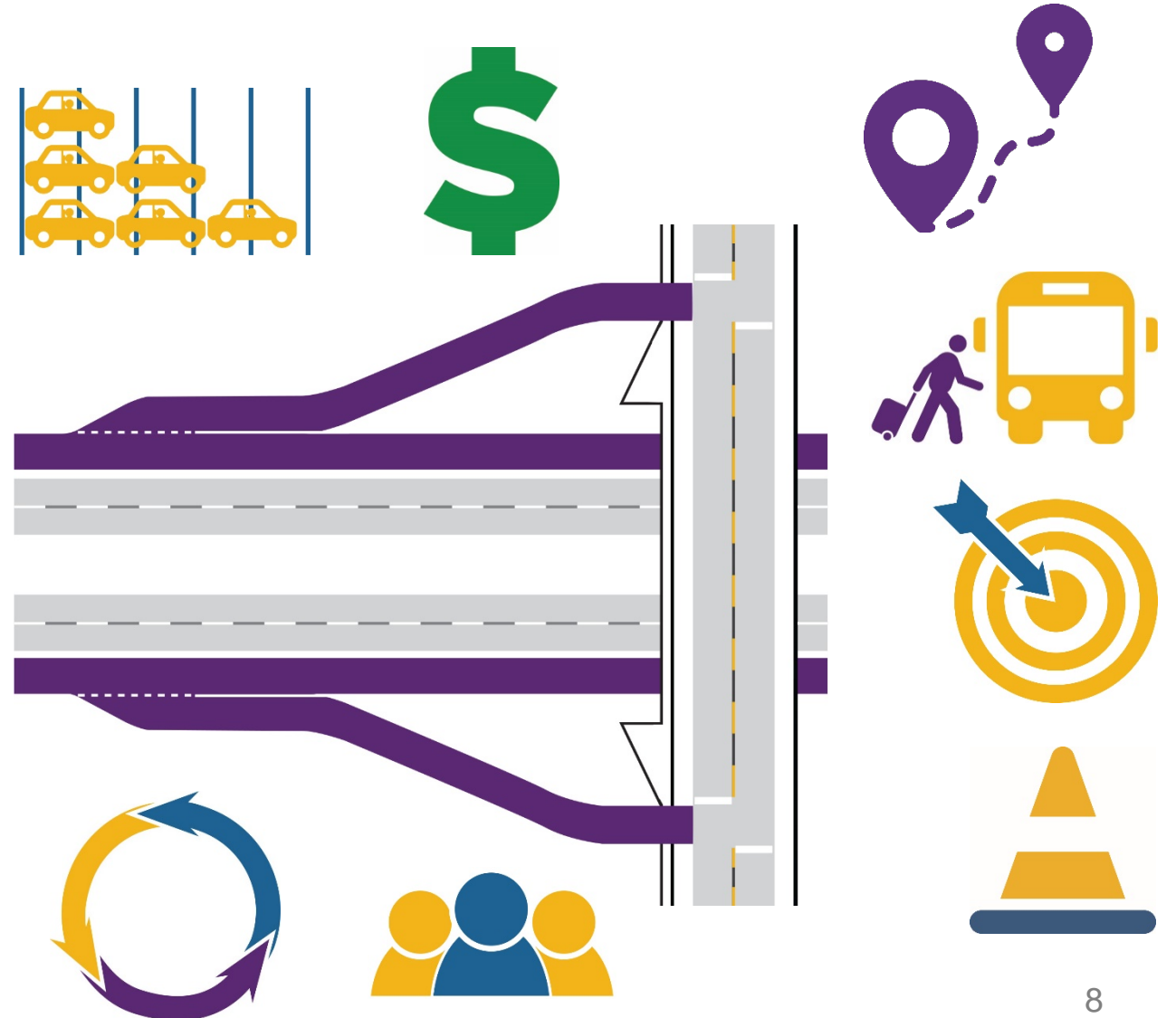
Direct Ramp Flyover



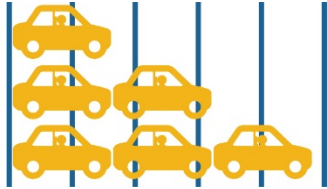
Slip Access

Access Point Prioritization Factors

- Future Demand
- Cost
- Adjacent Distance
- Transit Connectivity
- Activity Centers
- Traffic Operations/
Geometry/Safety
- Stakeholder Outreach
(Cities/Counties/MARTA/
Others)
- Ensure System Continuity



Access Point Prioritization Factors



Future demand

Source: ARC Model and future project analyses



Cost

Source: Basis of Estimates (BOEs)



Adjacent distance

- Availability of access points serving a similar movement/area
- An access point with 'poor' adjacent distance would rank higher to ensure movement/area is served
- Balance corridor and system mobility vs. access needs

Access Point Prioritization Factors

Transit Connectivity

- Express Lanes & transit complements each other
- Transit Working Group underway with transit partners
- Considering existing and planned transit investments
- Connectivity with activity centers
- Coordinate with park and ride locations



GWINNETT COUNTY
TRANSIT

Douglas County
RIDESHARE

Access Point Prioritization Factors



Activity Centers

- Employment
- Residential



Traffic Operations/Geometry/Safety

Considerations of access performance (to be further evaluated under NEPA and design)

Access Points Prioritization Factors

Stakeholder Outreach



Meetings
in **2016:**

3

Meetings
in **2017:**

37

Meetings to date
in **2018:**

8

Key Points

Current analysis:

- Documents decision-making to date
- Forms baseline for future project specific decisions
- Ensures access is viewed on a corridor and network wide basis
 - Supports employment generators and region's economy

Future analysis:

- Project specific efforts, more detailed (NEPA)
- Scope modifications maintain MMIP fixed schedule and budget

Next Steps

- Finalize Express Lane Network Implementation & Operations Manual
- Finalize GEC selections
 - Some complete, others this summer
- Provide Access Point recommendations & Basis of Cost Estimates to GECs
- GECs begin Pre-Let (project development) activities
 - Some underway, others later this year
- Developers selected for Post-Let (final plans, construction)
 - I-85 Gwinnett/Barrow/Jackson underway, others to follow

Contact Information

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