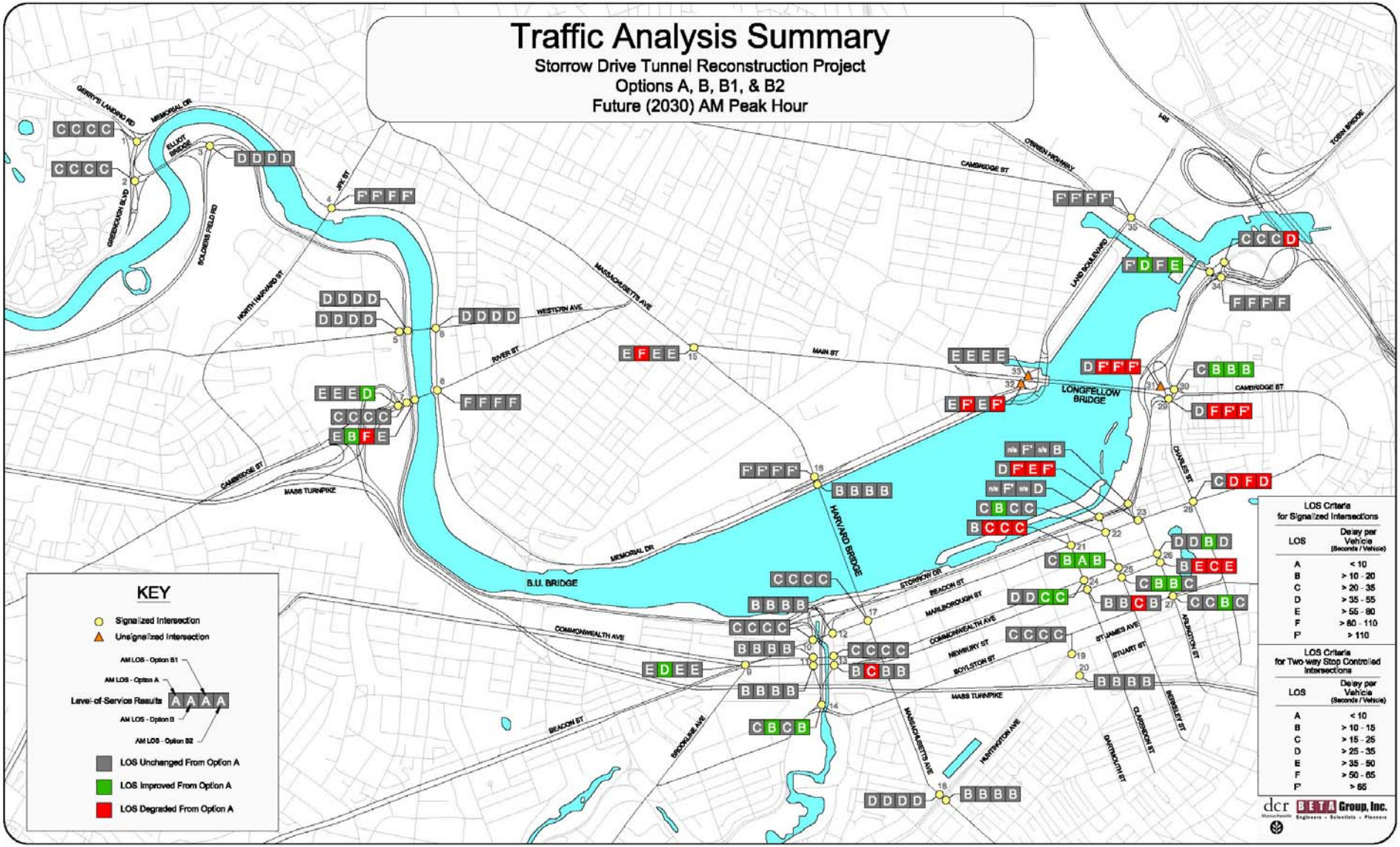
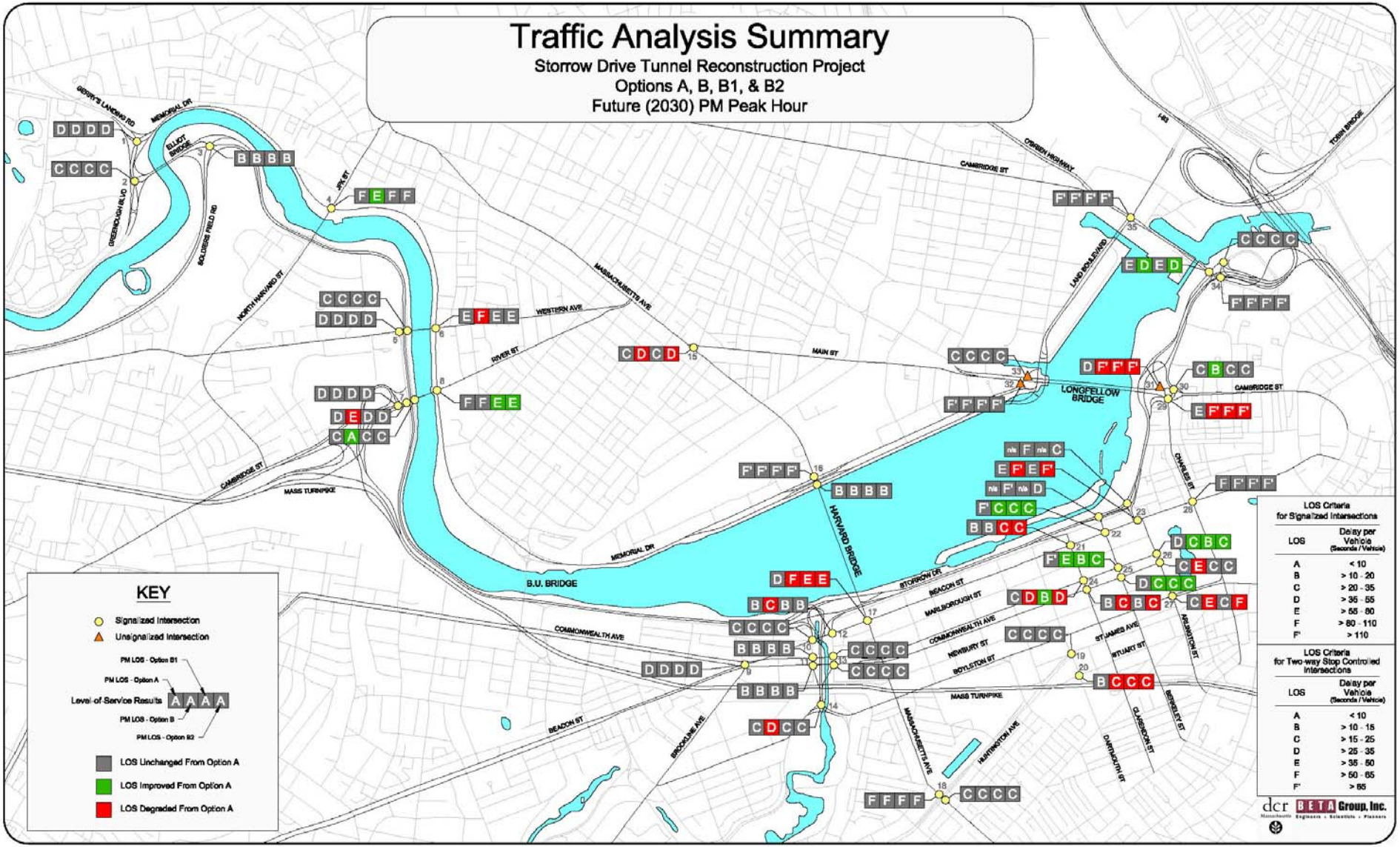
Storrow Drive Tunnel Reconstruction Project

Traffic Analysis Results - Part 2

Options B1, B2, D1, & D2

April 25, 2007


Traffic Analysis Summary
Storrow Drive Tunnel Reconstruction Project
Options A, B, B1, & B2
Future (2030) AM Peak Hour
KEY
Signalized Intersection
Unsignalized Intersection
AM LOS - Option B1
AM LOS - Option A
Level-of-Service Results
AM LOS - Option B
AM LOS - Option B2
LOS Unchanged From Option A
LOS Improved From Option A
LOS Degraded From Option A
LOS Criteria for Signalized Intersections
LOS | Delay per Vehicle (Seconds / Vehicle)
A | < 10
B | > 10 - 20
C | > 20 - 35
D | > 35 - 55
E | > 55 - 80
F | > 80 - 110
F' | > 110
LOS Criteria for Two-way Stop Controlled Intersections
LOS | Delay per Vehicle (Seconds / Vehicle)
A | < 10
B | > 10 - 15
C | > 15 - 25
D | > 25 - 35
E | > 35 - 50
F | > 50 - 65
F' | > 65
dcr
BETA Group, Inc.
B.U. BRIDGE
HARVARD BRIDGE
LONGFELLOW BRIDGE
MEMORIAL DR
CAMBRIDGE ST
MASS TURNPIKE
COMMONWEALTH AVE
BEACON ST
STORROW DR
MAIN ST
WESTERN AVE
RIVER ST
MASSACHUSETTS AVE
NORTH HARVARD ST
SOLDIERS FIELD RD
GREENOUGH BLVD
ELLIOT BRIDGE
GERRY'S LANDING RD
O'BRIEN HIGHWAY
LAND BOULEVARD
CHARLES ST
ARLINGTON ST
BERKELEY ST
CLARENDON ST
DARTMOUTH ST
HUNTINGTON AVE
BOYLSTON ST
NEWBURY ST
MARLBOROUGH ST
STUART ST
ST JAMES AVE
BROOKLINE AVE
I-93
TOBIN BRIDGE



LOS	Delay per Vehicle (Seconds / Vehicle)
A	< 10
B	> 10 - 20
C	> 20 - 35
D	> 35 - 55
E	> 55 - 80
F	> 80 - 110
F'	> 110

LOS	Delay per Vehicle (Seconds / Vehicle)
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C	> 15 - 25
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E	> 35 - 50
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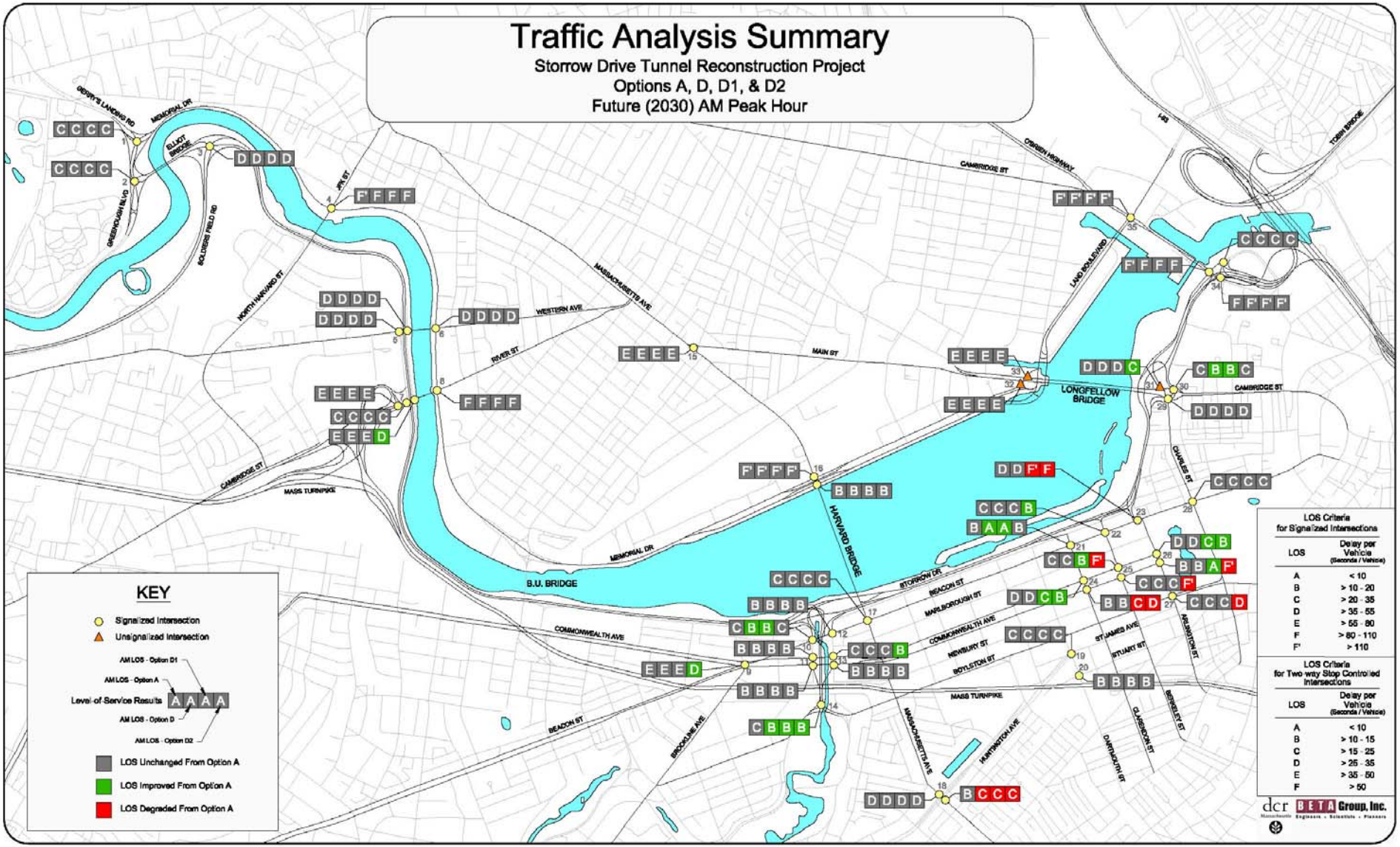
F'	> 65

dcr BETA Group, Inc.

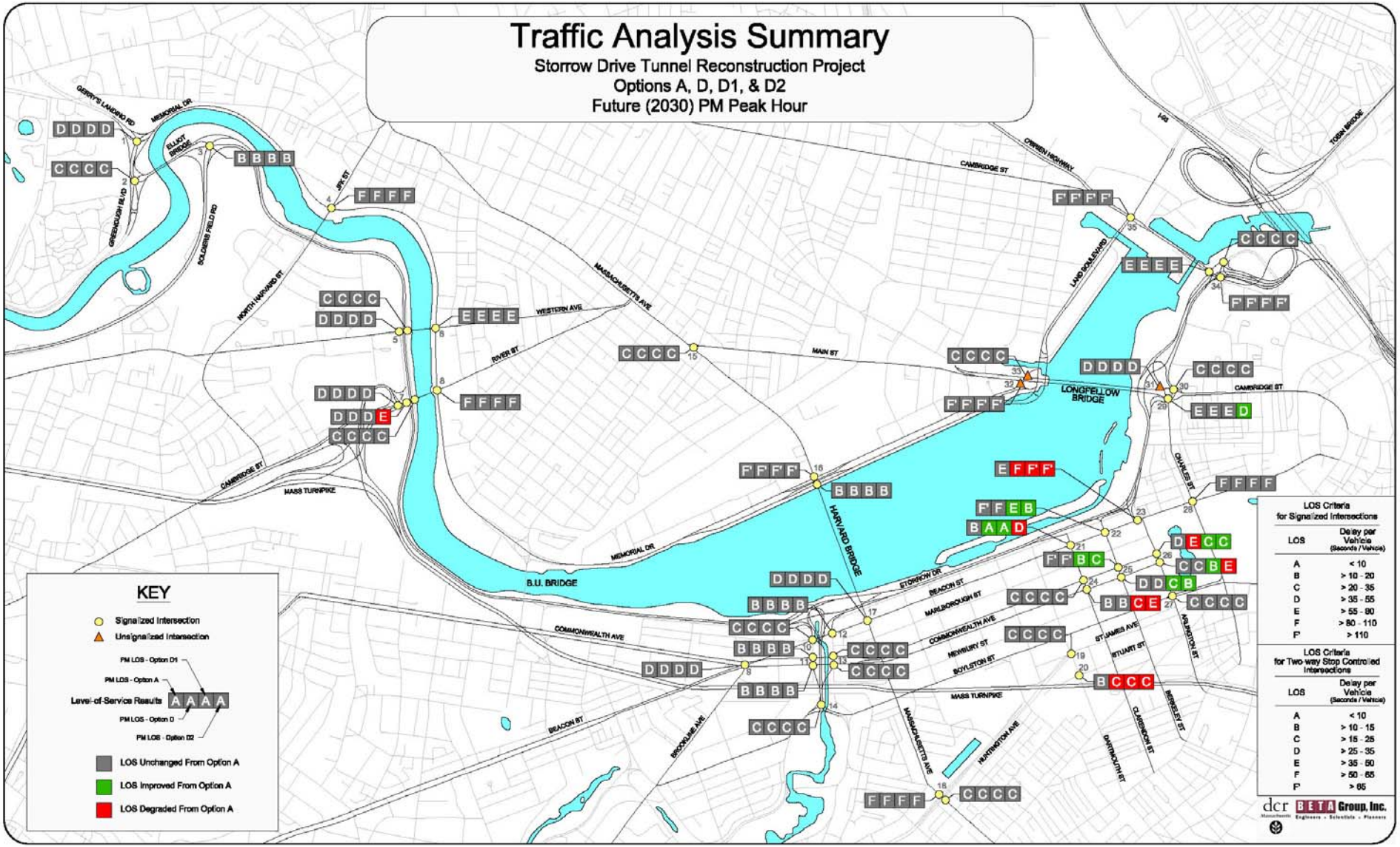
Traffic Analysis Summary

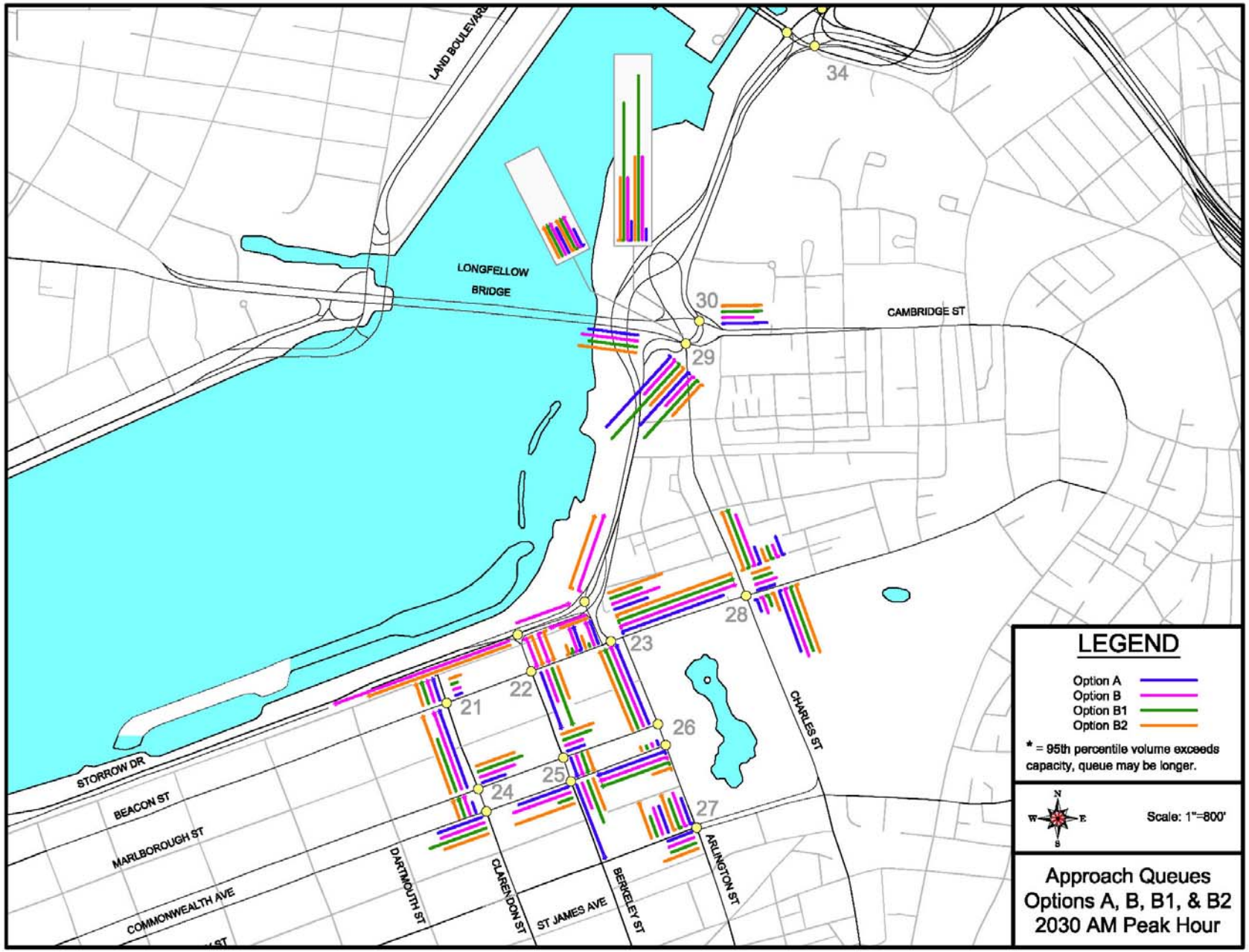
Storrow Drive Tunnel Reconstruction Project
Options A, D, D1, & D2
Future (2030) AM Peak Hour



Traffic Analysis Summary

Storrow Drive Tunnel Reconstruction Project
Options A, D, D1, & D2
Future (2030) PM Peak Hour




LAND BOULEVARD
LONGFELLOW BRIDGE
CAMBRIDGE ST
CHARLES ST
STORROW DR
BEACON ST
MARLBOROUGH ST
COMMONWEALTH AVE
DARTMOUTH ST
CLARENDON ST
ST JAMES AVE
BERKELEY ST
ARLINGTON ST
21
22
23
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28
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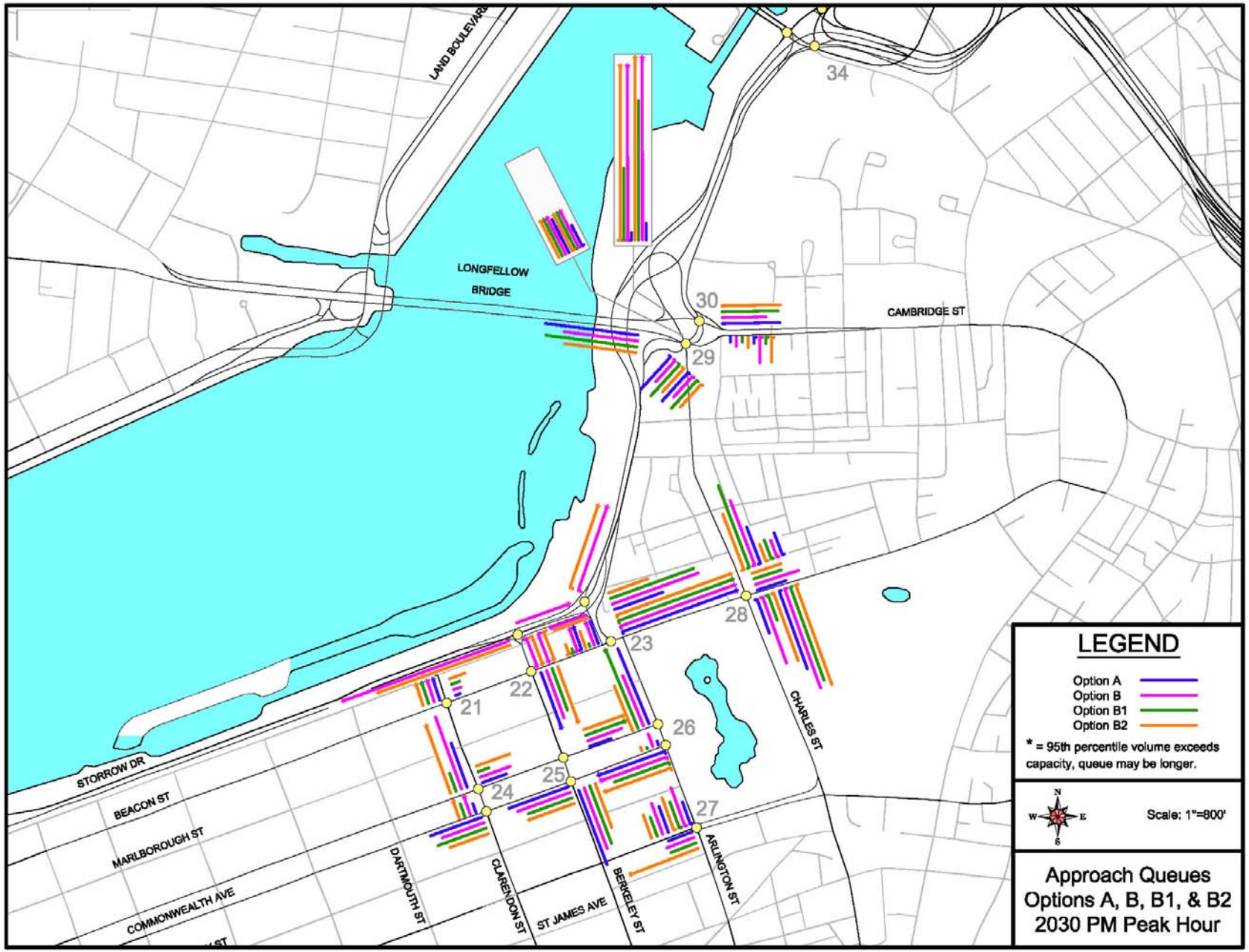
30
34
LEGEND
Option A
Option B
Option B1
Option B2
* = 95th percentile volume exceeds capacity, queue may be longer.
N
W
E
S
Scale: 1"=800'
Approach Queues
Options A, B, B1, & B2
2030 AM Peak Hour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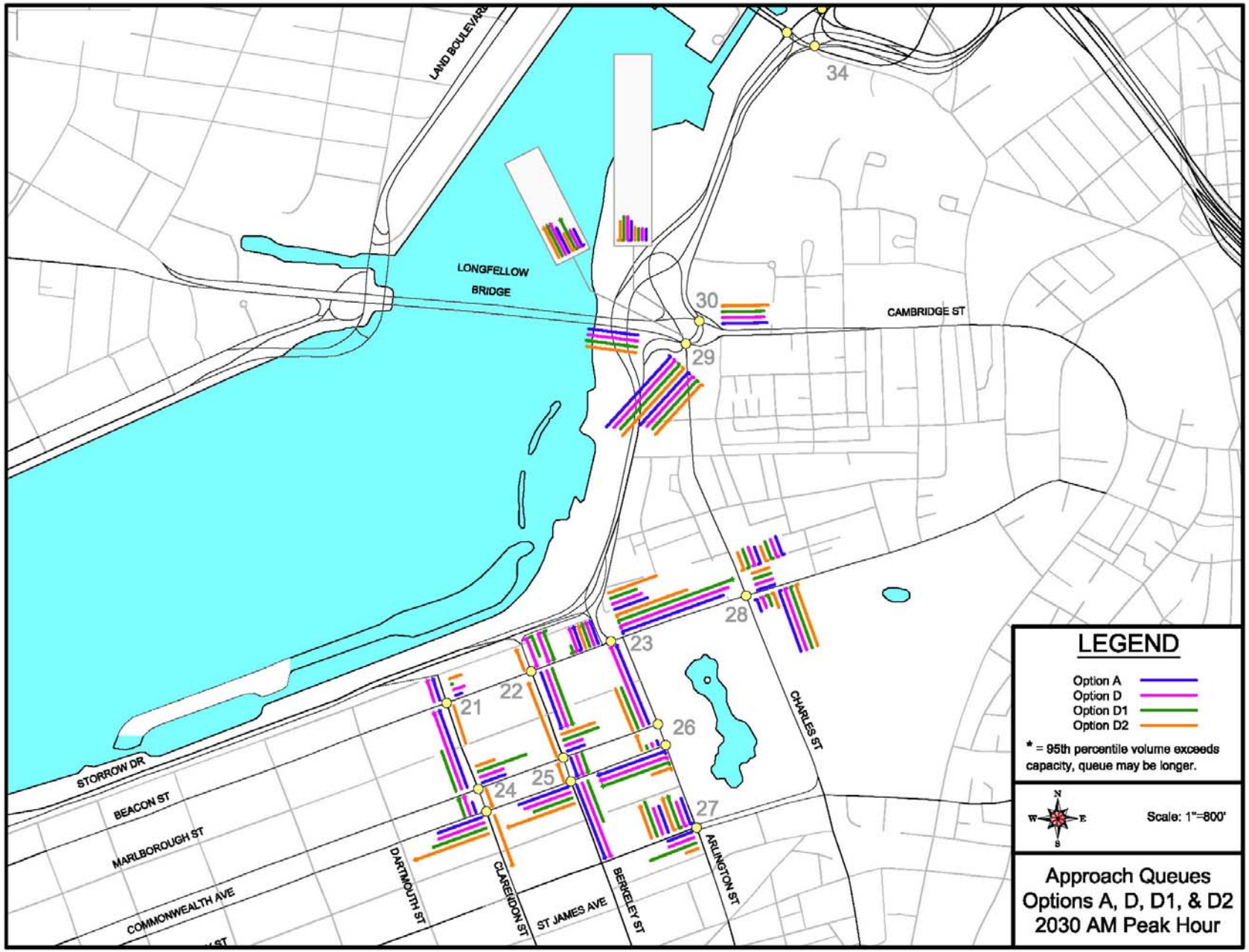
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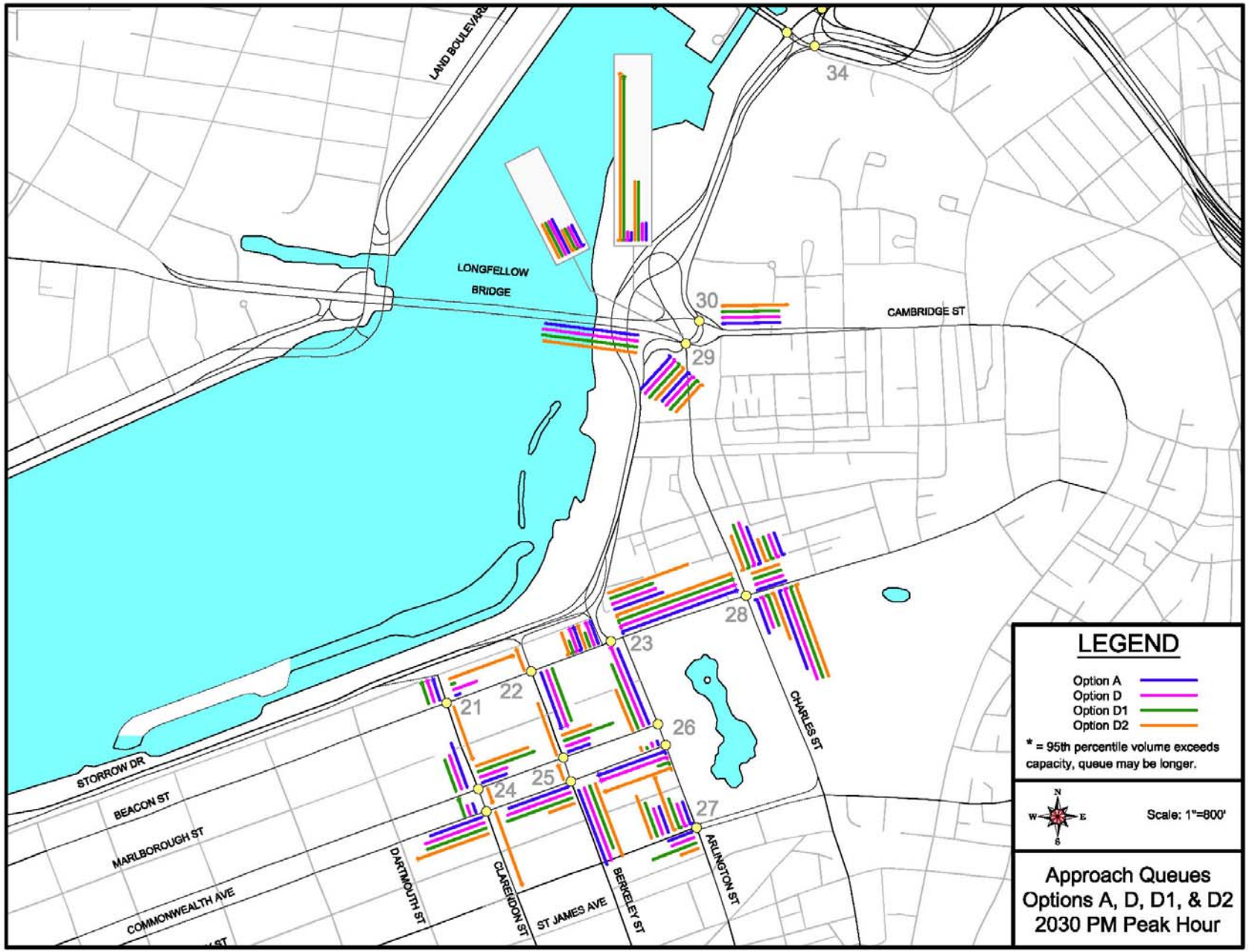
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