THE WAY WE MOVE

ON-STREET BIKE ROUTES

TRANSFORMING | EDMONTON
BRINGING OUR CITY VISION TO LIFE

February 2013
INTRODUCTION

Purpose:

- Share information on Bicycle Transportation Plan
- Introduce the design of proposed 2013 bike routes
- Answer your questions and take your feedback on the design of the 2013 bike routes
PRESENTATION OVERVIEW

- City Council Strategic Direction
- Cycling in Edmonton
- Types of On-Street Bicycle Facilities
- Progress to Date
- 2013 Bicycle Routes
- Public Involvement Process
COUNCIL-APPROVED MANDATE: Transportation Master Plan

- 3-year project with public consultation
- Goals include: Shifting Edmonton’s transportation modes
- Objectives include: Create a bicycle-friendly city
- Council approved in 2009
COUNCIL-APPROVED MANDATE: Bicycle Transportation Plan

- 3-year project with public consultation (7 workshops, 2 open houses)
- Goal: To get more people cycling more often
- Defined 500km network of bicycle routes
- Council approved in 2009 as part of Active Transportation Policy
CRITERIA FOR PRIORITIZING ROUTES

- Connected Network
- Current Demand
- Collision History
- Potential Demand
- Multi-Modal Connectivity
EDMONTONIANS ARE CYCLISTS

54% of Edmontonians are cyclists

- Recreation Only: 35%
- Transportation Only: 2%
- Transportation & Recreation: 17%
- Don't Currently Cycle: 46%
EDMONTONIANS ARE CYCLISTS

35% of Edmontonians cycle every week

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Daily</td>
<td>3%</td>
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<tr>
<td>4+ times per week</td>
<td>6%</td>
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<tr>
<td>2 to 3 times per week</td>
<td>11%</td>
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<tr>
<td>Once per week</td>
<td>15%</td>
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<tr>
<td>Once per month</td>
<td>16%</td>
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<tr>
<td>Less than once per month</td>
<td>2%</td>
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EDMONTONIANS ARE CYCLISTS

57% of Edmontonians want to BICYCLE MORE
TYPES OF CYCLISTS

- Strong & Fearless: 4%
- Enthused & Confident: 13%
- Interested but Concerned: 45%
- No Way No How: 38%
BICYCLE FACILITIES NEEDED TO INCREASE CYCLING

Comfort Operating on Roads with Bicycle Facilities

% of people comfortable operating on a road with each type of bicycle facility

- No Bike Lanes on non-residential street*
- Share the Road sign only
- Shared Use Lane (Sharrow)
- Bike Lane

* Question not asked for Driving
14% of Edmontonians say they are cycling more because of the on-street bike routes.
BICYCLE FACILITIES NEEDED TO INCREASE CYCLING

• 106 St, 20 Ave to 82 Ave ↑32% on average
• 76 Ave, 104 to 115 St ↑30% on average
• 97 St, 41 Ave to 71 Ave ↑4% on average
ON-STREET BIKE ROUTE PROGRAM

TYPES OF BICYCLE FACILITIES

- Shared-Use Lane (Sharrows)
- Reserved Bike Lane
  - Bike Lane
  - Buffered Bike Lane
  - Physically Separated Bike Lane
SHARED-USE LANES

Source: NACTO Urban Bikeway Design Guide
BIKE LANES

Source: NACTO Urban Bikeway Design Guide
BUFFERED BIKE LANES

Source: NACTO Urban Bikeway Design Guide
ON-STREET BIKE ROUTE PROGRAM

- Operational Challenges
  - Retro-fit infrastructure
  - Balancing needs of all road users
  - Compromises and trade-offs
  - Ensuring safe and effective operations
  - Maintenance

- Education and Awareness
EDUCATION AND AWARENESS

ISN’T IT TIME WE GOT ALONG?

WHAT DO I DO?
When the solid white line of a Bike Lane becomes dashed, drivers should enter the lane if turning right, after checking that it is safe.

ONEROAD.CA
PROGRESS TO DATE

- Providing connections to the places people want to go
- 46 km of on-street bicycle facilities since 2010
- Coordinated with road projects for cost efficiency
- Prioritizing which routes to build first by evaluating them on demand, connections, and safety
2013 ON-STREET BIKE ROUTE PROGRAM (23 km)

- 95 Ave (142 St to 189 St)
- 81 St (119 Ave to Yellowhead Trail)
- 114 St/115 St (34 Ave to 60 Ave)
- 115 St/116 St (71 Ave to University Ave)
- 106 St (34 Ave to 51 Ave) and 40 Ave (106 St to 119 St)
- 76 Ave (78 St to 100 St) and 100 St (76 Ave to Saskatchewan Dr)
- Saddleback Road and 31 Ave
- 97 St (63 Ave to 82 Ave)
- 132 Ave (82 St to 90 St)
2013 PUBLIC INVOLVEMENT

- Stakeholder Meetings
- Direct Mail Brochures
- Public Open Houses - February 2013
- Pre-Construction Information Session - April 2013