# ALTERNATIVE REGIONAL LAND USE AND TRANSPORTATION PLANS



One Region, Focusing on Our Future

ADVISORY COMMITTEES ON REGIONAL LAND USE AND TRANSPORTATION SYSTEM PLANNING AUGUST 19, 2015

#### Introduction

- Alternative plans will be presented in Volume II,
   Chapter III of the VISION 2050 Report
  - Part I: Description of Alternative Plans
  - Part II: Evaluation of Alternative Plans
  - Part III: Public Feedback on Alternative Plans
  - Appendix F (Detailed Alternative Plan Evaluation Results)
- Will review with Committees at next meeting



#### Introduction

- Each alternative plan includes a detailed land use development pattern and transportation system
  - Input from public, Advisory Committees, and EJTF used to refine sketch scenarios into alternative plans
  - Preliminary recommended plan will be prepared based on alternative plan evaluation and public input



#### Introduction

- ☐ The Trend is a projection to the year 2050 of trends from 1990 to 2010
- Alternative Plans I and II have more compact development patterns and changes in transportation investments
- Common elements between the alternative plans



- Alternative Plan Land Use Categories
  - Mixed-Use City Center
    - Most densely populated areas of Region
    - Mix of very high density housing, offices, stores, services







- Mixed-Use Traditional Neighborhood
  - Also found in densely populated areas
  - Mix of high density housing, stores, services, offices
  - More single-family homes on small lots than Mixed-Use City Center



- Small Lot Traditional Neighborhood
  - Found within and at edges of cities and villages throughout the Region
  - Mix of housing types with single-family homes on ¼ acre lots or smaller and businesses
- Medium Lot Neighborhood
  - Typically found at edges of cities and villages throughout the Region
  - Primarily homes on ¼ acre to just under ½ acre lots





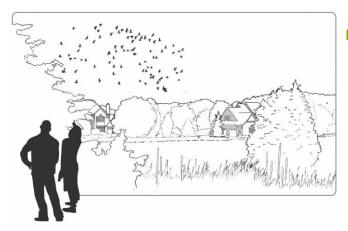
- Large Lot Neighborhood
  - May be found at the edges of cities and villages or outside of cities and villages
  - Homes on ½ acre to one acre lots





- Large Lot Exurban
  - Typically found outside of cities and villages
  - Residential development at an overall density of 1.5 to five acres per home





#### Rural Estate

- Found outside of cities and villages at an overall density of one home per five acres
- Cluster subdivision design can be used to preserve natural and agricultural resources
- Agricultural Land
  - Farmland preservation areas from county plans, "prime" agricultural land covered by Class I and II soils, other agricultural land
- Primary Environmental Corridor



- Trend (Maps 1 and 2)
  - More new development in lower density land use categories than Alternative Plans I and II
    - Fewer households and businesses served by public transit
    - Fewer households with public sewer and water
    - Very little TOD
    - Fewer people living in walkable areas
    - More agricultural land converted to urban development



- □ Alternative Plan I (Maps 3 and 4)
  - Most new development in higher density land use categories
    - More households and businesses served by public transit than the Trend
    - More households with public sewer and water than the Trend
    - Significant TOD development
    - More people living in walkable areas than the Trend
    - Less agricultural land converted to urban development than the Trend



- □ Alternative Plan II (Maps 5 and 6)
  - Similar development pattern to Alternative I
    - More than twice as many fixed-guideway transit stations than Alternative Plan I
    - Results in more high-density, mixed-use development than Alternative Plan I



#### Trend

- Continuation of recent trends in transportation investment, including similar investment levels and priorities
  - Additional 25 percent decline in transit service
  - Significant expansion of on- and off-street bicycle facilities
  - Arterials reconstructed with additional traffic lanes and new facilities added to address congestion



#### Alternative I

- Significant expansion of transit service, including one commuter rail and three BRT corridors
- Bicycle facilities expanded as in the Trend, but enhanced bicycle facilities in key regional corridors
- Arterial reconstruction evaluated both with and without additional traffic lanes and new facilities to address congestion



#### Alternative II

- Similar expansion of transit service as Alternative I, but with two commuter rail, four light rail, and six BRT corridors
- Bicycle facilities essentially the same as Alternative I
- Arterial reconstruction evaluated both with and without capacity expansions, but expansions generally limited to rural and low-density suburban areas not served by fixed-guideway transit lines



- Maps for Alternatives
  - Transit services: Maps 7-10
  - Bicycle networks: Maps 11-13
  - Arterial streets and highways: Maps 14-16



#### **Alternative Plans – Evaluation Overview**

- Introduction to Evaluation Results
  - Detailed evaluation results will be reviewed at next meeting
    - Next few slides cover how they will be organized and presented
  - Over 50 evaluation criteria, measuring extent to which each alternative meets each plan objective
  - Four themes:
    - Healthy Communities
    - Equitable Access
    - Costs and Financial Sustainability
    - Mobility



#### **Alternative Plans – Evaluation Overview**

- Evaluation of Alternatives I and II
  - Expected congestion levels without highway expansion used to identify congested highway segments
  - Additional lanes and new facilities proposed under each alternative to address congestion
    - Alternative II expansions generally limited to rural and low-density suburban areas not served by fixed-guideway transit lines
  - Key criteria will compare results for Alternatives I and II with and without highway expansion



#### **Alternative Plans – Evaluation Overview**

- Presentation of Evaluation Results
  - Volume II, Chapter III will describe alternatives and summarize key findings of evaluation
  - Appendix F will provide detailed evaluation results
    - Organized into four themes
    - Write-up for each criterion, including tables, maps, and figures, as appropriate (see example for Criterion 1.1.1)
  - Will review chapter and appendix at next meeting

