Nevada’s Transportation Infrastructure and Future Transportation Needs

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Director

Interim Legislative Committee on Transportation
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State Transportation Board of Directors

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Lieutenant Governor Brian Krolicki, Vice Chair
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Roads #1 in the Nation
Nevada Interstates, Urban Freeways,
Principal Arterials, Rural Minor Arterials
Federal Highway Administration

Bridges #1 in the Nation
Federal Highway Administration
Needs
United States: Population, percent change, 1990 to 2000

Population Percent Change

- 50.0 to 191.0
- 25.0 to 49.9
- 13.2 to 24.9
- 0.0 to 13.1
- -10.0 to -0.1
- -42.3 to -10.1
Development Growth in Las Vegas from 1970 to 2000
Corridor / Environmental Studies

US 95  Washington to Kyle Canyon
I-515  Spaghetti Bowl to Foothill
I-15 Resort Corridor  I-215 to Spaghetti Bowl
I-15  Tropicana to Sloan
I-15  Apex to Mesquite
Eastern Corridor  Las Vegas
Super Train  Anaheim to Las Vegas
I-80 Corridor  Stateline to Wadsworth
Pyramid Highway  Sparks to Spanish Springs
US 395 Sierra  Carson City to State Line
Super / Mega Projects Summary

Southern Nevada
I-15 North Corridor – Spaghetti Bowl to Apex Interchange
US-95 Northwest Corridor – Washington to Kyle Canyon
Beltway Interchanges – US-95, I-15, Summerlin Parkway
I-15 – Tropicana Avenue to Spaghetti Bowl
I-515 – Foothills Road to Spaghetti Bowl
I-15 South Corridor – Stateline to I-215 Beltway
Boulder City Bypass

Northern Nevada
I-80 – Robb Drive to Vista Boulevard
US-395 – Spaghetti Bowl to Stead Boulevard
Pyramid Highway – Nugget Avenue to Calle De La Plata Drive

Other – Statewide
Two-Lane Highways – Widening and Passing Lanes
Preservation Program
ITS/Operations
During the last biennium, the backlog of pavement and bridge work increased $396 million to $795 million: $661 million for pavement and $134 million for bridges. Under present funding, the backlog is expected to jump to $1.4 billion in 2010 and continue to increase to $1.8 billion by 2019.
The Right Time for Preservation

Pavement Rate of Deterioration

- **GOOD** (5)
- **POOR** (1.5)

**AGE IN YEARS**

- **RAPID**
- **MEDIUM**
- **LOW**

**PRESENT SERVICEABILITY INDEX (PSI)**

- $1
- **$4 to $10**
NDOT Programs

• Economic Development
  • Enhancement
  • Maintenance
• Environmental Stewardship
  • Landscaping
  • Noise Walls
• Other Transportation Modes
  (Transit, Rail, Aviation, Bicycle, Pedestrian)
  • Traveler Information & Assistance
    • Safety
  • CMAQ, Passing Lanes, ITS
Other Needs

• I-15 Apex to Stateline
• Las Vegas Eastern Corridor
• US-95 Searchlight to State Route 163
• State Route 160 (Red Rock Loop to Mountain Springs)
• I-80 / US-395 Corridors
• US-395 Douglas County
• US-50 Lyon County
Growth-Driven Challenges

- Inflationary Impacts
- Contracting
- Staffing
- Driver Behavior
- Right of Way
- Funding
State Highway Fund Revenue Sources 2006
Highway Fund Expenditures and Disbursements 2006
Project Funding Types and Areas

FY 04 – 08 Average Distribution

**FY04-08 Average Distribution for project funding***

<table>
<thead>
<tr>
<th></th>
<th>Capacity</th>
<th>Preservation</th>
<th>Other</th>
<th>Total</th>
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<td>CLARK</td>
<td>$254,176,924</td>
<td>$35,980,141</td>
<td>$35,850,662</td>
<td>$326,017,727</td>
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<td>WASHOE</td>
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<td>NON-URBAN</td>
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**Total**

$347,715,456  $98,492,852  $73,371,439  $519,579,748

**Percent**

67%  19%  14%  100%

*Note: Does not include design, ROW, in-house projects or work by other agencies
 ** Actual obligations FY04-07 and programmed projects scheduled for obligation in FY08
Federal Funding Categories

- Interstate Maintenance
- National Highway System
- Safety
- Railroad Safety
- Congestion Mitigation Air Quality
- Bridge / On System
- Bridge / Off System
- Safe Routes to School
- Recreational Trails
Federal Funding Categories

• Surface Transportation Program
  Statewide
  Clark County
  Washoe County
  Areas Less Than 5,000
  Enhancement

• Metro Planning
• Discretionary Projects
Public-Private Partnerships
Through redirecting various taxes and fees, estimated to provide some $1 billion in bonds for road projects.
Las Vegas Convention and Visitors Authority will contribute $20 million per year from room taxes.

Clark and Washoe counties will reallocate some existing property tax revenue.

Rental car companies will reallocate one-quarter of revenue now generated from imposing a 4% tax.

All to the State Highway Fund.
AN ACT making appropriations to the Department of Transportation for highway improvements, and providing other matters properly relating thereto.

THE PEOPLE OF THE STATE OF NEVADA, REPRESENTED IN SENATE AND ASSEMBLY, DO ENACT AS FOLLOWS:

Section 1. There is hereby appropriated from the State General Fund to the Department of Transportation for improvements, funded by State General Fund revenues in excess of the spending cap, to:

1. Interstate Highway 15 in Las Vegas, the sum of $154,000,000;
2. State Route 160, Blue Diamond, the sum of $16,000,000, except that no portion of this sum for improvements to State Route 160 may be utilized by the Department unless the State Controller, upon satisfactory proof submitted by the Department, determines that $2,000,000, in money or in goods and services provided in kind, or both, has been committed for such improvements from sources other than federal, state, regional or local governmental entities.

Sec. 2. Any remaining balance of the appropriations made by section 1 of this act must not be committed for expenditure after
Under AB 595
NDOT Accountability

• Annual and quarterly reports
• Funding expenditures
• Schedules / status
• Research and cost analysis
• Performance measures

All to the Legislature and Posted on Website
I-15 Spaghetti Bowl to Craig Road

$240 Million Design-Build

Construction to Begin Early 2008

- Widen I-15 from 6 to 10 lanes between the Spaghetti Bowl and Lake Mead Boulevard.
- Widen I-15 from 5 to 8 lanes between Lake Mead Boulevard and Cheyenne.
- Widen I-15 from 4 to 8 lanes between Cheyenne and Craig Road.
- Reconstruct the Lake Mead Interchange.
- Construct the D to F Street Connector.
- Auxiliary lanes between interchanges.
- ITS improvements.
I-15 Tropicana to Blue Diamond (SR 160)

Widen I-15 from 6 to 8 lanes.

Estimated start: Summer 2009, 2 years construction.

Estimated cost: $240 million.
Coming Attractions

AB 595 / LVCVA Bonds

- **I-15 Sahara Avenue to Tropicana Boulevard**

  Dedicate 2 lanes in each direction in median to act as "express lanes" or through lanes while maintaining 3 local traffic lanes. Vehicles enter at either end and travel through the Las Vegas corridor, separate from the merging traffic.

  Estimated start: Summer 2008, 2 years construction.

  Estimated cost: $60 million.
Coming Attractions

AB 595 / Other Funds

• US-95 Washington Avenue to Ann Road

Widen US-95 from 6 to 8 lanes with auxiliary lanes from Washington to Ann; will facilitate high occupancy vehicle (HOV) lanes. Improvements at Ann Road interchange also will be implemented.

Estimated start: Spring 2009, 2-3 years construction.
Coming Attractions

AB 595 / Other Funds

- US-395 / I-580 in Washoe County
  Moana Lane to Spaghetti Bowl – northbound.
  Auxiliary lane and ramp metering.
  Estimated cost: $70 million
The Next Round
Project Neon
I-15 Widening / Sahara to US-95

I-15 at Charleston Single Point Urban Interchange
  • Estimated Cost: $187 million

I-15 from Sahara Avenue to I-515 widen to 10 lanes
  • Estimated Cost: $324 million

I-15 at Alta Drive construct southbound and northbound off ramps
  • Estimated Cost: $12 Million

Martin Luther King/Industrial Connector from Palomino Lane to Wyoming Avenue Construct a 6-lane connection
  • Estimated Cost: $125 million
The Challenge
Quality, Budget, and Schedule

SUCCESS!
PARTNERS!