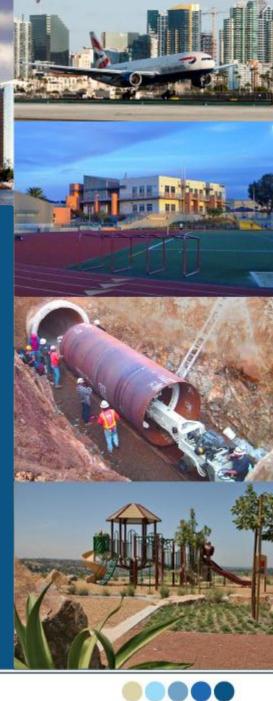


2012

San Diego County Infrastructure Report Card





Report Card Team Members

Working Team

Aviation

Eric Nelson - Co. of San Diego

Bridges

Jim Frost - Simon Wong Engineering

Land and Sea Ports of Entry

Bill Wood - Transystems

Christina Casgar - SANDAG

Levees/Flood Control/Urban Drainage

Cid Tesoro - Co. of San Diego

Parks/Recreation/Environment

Bill Saumier - Co. of San Diego

K-12 School Facilities

Bob Kiesling - Grossmont UHSD

Solid Waste

Donna Turbyfill - Co. of San Diego

Surface Transportation

Gordon Lutes - Dokken Engineering

Patricia McColl - David Evans & Assoc.

Wastewater/Collection System

Paul Bushee - Leucadia Wastewater Dist.

Wastewater/Treatment

Kevin Hardy - Encina Wastewater Auth.

Water Supply

Mike Hogan - San Diego CountyWater Authority



Report Card Team Members

Executive Team



Report Card Process

- Patricia McColl initiated updating Section's 2005
 Infrastructure Report Card for San Diego County
- 11 working teams employed by public agencies and consulting firms
- Each working team selected Peer Reviewer(s)
- 3 new categories added Aviation, Solid Waste & Bridges
- Wastewater Systems was divided into 2 categories Collection System and Treatment



How do we compare?

- How is our region doing?
 - 2012 Report Card earned an overall grade of "C" as compared to the 2005 overall grade of "C+"
- How did our region compare to California?
 - Overall grade for 2012 State of California was a "C"
- How did San Diego Compare to the Nation?
 - San Diego County grade is higher than the National ASCE 2009 Report Card grade "D"



2005 & 2012 Comparison Grades By Section

2012 San Diego County Report Card 2005 2012 Aviation C+ **Bridges** C+ Land and Sea Ports of Entry C C-C-Levees/Flood Control/Urban Drainage C-Parks/Recreation/Environment C B-School Facilities C+ Solid Waste B Surface Transportation C D+ Wastewater/Collection Systems C+ B Wastewater/Treatment B B+ Water B В



2005 2012 C+

Aviation





Aviation

- San Diego County Airports are facing:
 - Funding Challenges
 - Future Capacity constraints
 - Community Encroachments
 - Environmental and Regulatory Requirements
 - Political Pressures & Community Encroachments



Bridges





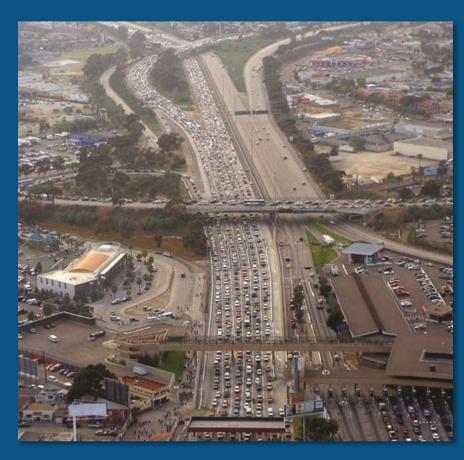
Bridges

- 1,432 bridges throughout San Diego County, not including Rail Transit bridges
- Average age of a local bridge is 41 years
- 19% of those bridges are considered to be deficient
- 5% a year funding increase is needed for next 20 yrs.



Land and Sea Ports of Entry

2005 2012 C C-







Land Ports of Entry

- San Diego's border crossings accommodate more than 18.9 million vehicles carrying 42 million people
- Existing border crossings are beyond capacity
- Costs to our economies is about \$7.2 Billion in gross output and more than 62,000 jobs
- New border crossing is critical



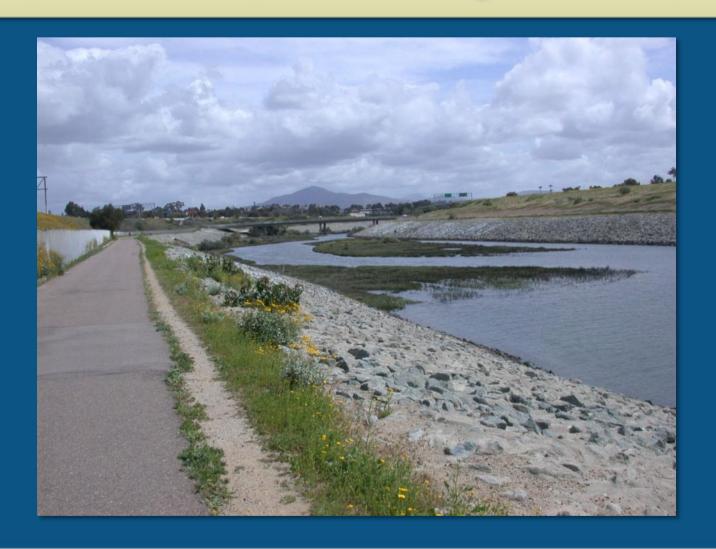
Sea Ports of Entry

- 3 Sea Port Terminals providing deep water berths
- Condition of Sea Port Terminals is generally adequate
- Sea Port Terminals impacted by other competing uses
- Sea Port Terminals will require upgrades to meet future demands



Levees/Flood Control/Urban Drainage

2005 2012 C- C-





- Region's drainage facilities approaching service life
- Over 50% of existing facilities are under capacity
- Increasing environmental regulations impact annual maintenance
- Region facing a deficiency in excess of \$1 Billion over the next 20 years



Parks/Recreation/Environment

2005 | 2012 B- | C





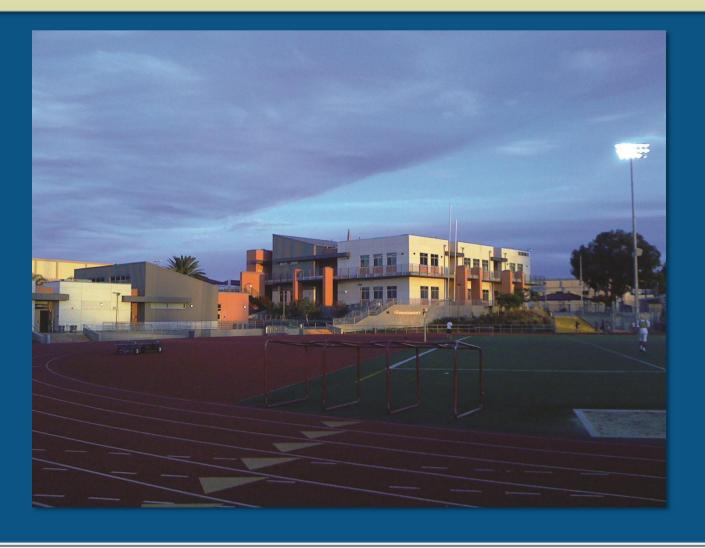
Parks/Recreation/Environment

- Many park facilities have outlived their economic useful life
- \$500 million annual deficit for operating, maintaining and repairing parks
- The backlog of park repairs is in excess of \$1 Billion
- Depressed economy at Federal, State and Local levels have severely impacted our Parks



School Facilities

2005 2012 C+ C





School Facilities

- Positives:
 - K-12 funding increased significantly with School Bond Programs
- Negatives:
 - K-12 funding decreased substantially for maintenance and future projections are bleak
- Summary:
 - K-12 school facilities are better off for short term
 - Lack of maintenance funding is a long term issue



Solid Waste





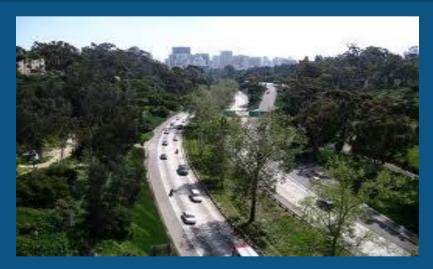
Solid Waste

- Integrated Solid Waste system includes reduction, reuse & recycling of all solid waste
- Most Solid Waste facilities primarily privately owned
- City of San Diego, Miramar Landfill only exception
- Solid Waste system sustainability is regulatory & market driven
- State's goal is now 75% recycled diversion by 2020



Surface Transportation

2005 2012 C D+











Surface Transportation (Roads)

- Positives:
 - Decline in highway congestion since 2005
 - Establishment of the TransNet Program

- Negatives:
 - Reduced & uncertain Federal & State funding
 - Deterioration of our regional roads & highways:
 - ✓ 50% of region's roads are substandard or poor condition



Positives:

- Increased ridership since 2005
- Increased role in 2050 RTP
- Federal funding for maintenance
- TransNet Program funding
- Negatives:
 - Reduced & Uncertain Federal/State Funding
 - Commuter Rail Corridor
 - ✓ 50% single tracked & bridges at service life



2005

2012

C+

B

Wastewater/Collection System





Wastewater/Collection System

- Collection System & Treatment are distinct sections for 2012
- Condition of wastewater collection system showed a marked improvement over the 2005
- Marked improvement attributed to sweeping State Waste Discharge Requirements mandating every wastewater collection system to establish:
 - Proactive maintenance & replacement programs
 - Funding for maintenance & replacement programs



Wastewater Treatment

2005 | 2012 B | B+





Wastewater Treatment

- Major improvements in Treatment facilities were:
 - Infrastructure Investments
 - Management System Improvements
 - Rigorous Regulatory Oversight
- Evidence of improvements are reflected in:
 - Decreased ocean discharge permit violations
 - Significantly fewer sewer spills
 - Reduction in the number of beach closures
 - Increased volume of recycled water produced



Water

2005 2012 B B





- Recent major investments in the Water system were:
 - Water Infrastructure Rehabilitation
 - Emergency Storage Projects
 - Water Supply Diversification
- Major challenges are:
 - Managing water rates
 - Balancing capital project funding needs against rapidly increasing water supply costs



Understanding Public Infrastructure Politics

- Infrastructure is a interwoven network of facilities
- Infrastructure is a political topic
- Thinking long-term community solutions
- Considering all factors influencing decisions
- Looking at the big picture
- Doing more with less
- Considering importance of our environment
- Continuing to demand timely maintenance



Next Steps - What Can You Do?

- Become an informed citizen
- Stay informed and regularly express your opinion
- Take advantage of the printed & electronic media
- Subscribe to online media and your local newspaper
- Support well thought out fee increases and bond programs that are proposed for public infrastructure

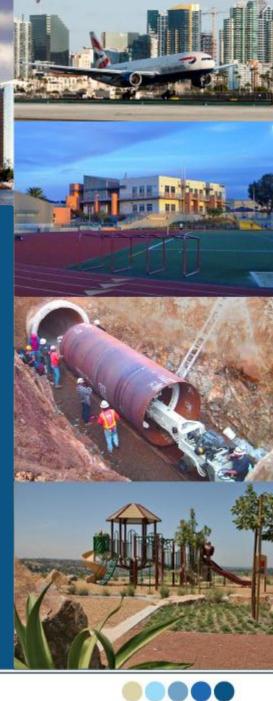




2012

San Diego County Infrastructure Report Card





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