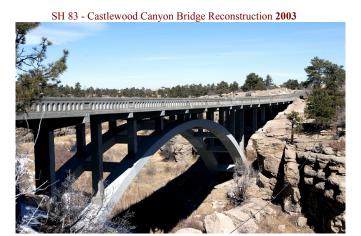
# COLORADO DEPARTMENT OF TRANSPORTATION

SH 83 - Castlewood Canyon Bridge Construction 1948







SH 83 - Castlewood Canyon Bridge 2004

# BUDGET FOR FISCAL YEAR 2005-06

Governor Bill Owens April 21, 2005



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#### COLORADO DEPARTMENT OF TRANSPORTATION

## PROPOSED BUDGET FOR FISCAL YEAR 2005-2006

#### GOVERNOR BILL OWENS

THOMAS E. NORTON, Executive Director

#### TRANSPORTATION COMMISSION

STEVE PARKER, Chairman, Durango, District 8

GREGORY B. MCKNIGHT, Vice-Chairman, Greenwood Village, District 3

JOE BLAKE, Denver, District 1

JOSEPH JEHN, Arvada, District 2

**BILL SWENSON**, Longmont, District 4

BILL KAUFMAN, Loveland, District 5

TOM WALSH, Craig, District 6

DOUG ADEN, Grand Junction, District 7

TERRY SCHOOLER, Colorado Springs, District 9

GEORGE H. TEMPEL, Wiley, District 10

KIMBRA L. KILLIN, Holyoke, District 11

JENNIFER WEBSTER, Secretary

Per the attached Resolution TC-1338 the Transportation Commission presents the Budget for the period July 1, 2005 through June 30, 2006 for approval by the Governor.

Approved:	15.00 Jug.
Approved.	moure.
Date:	Jan 29, 2005.
Made pursuant	to the provisions of C.R.S. 43-1-106 and 43-1-113

#### **RESOLUTION FOR THE FY 2005-2006 BUDGET**

#### **RES. NO. TC-1338**

WHEREAS, in accordance with C.R.S. 43-1-113(2) the Transportation Commission submitted a draft budget allocation plan for moneys subject to its jurisdiction for the fiscal year beginning on July 1, 2005 to the Joint Budget Committee, the House Transportation and Energy Committee, the Senate Transportation Committee and the Governor for their review and comment; and

WHEREAS, C.R.S. 43-1-113(9)(c) requires that the Transportation Commission adopt a final budget allocation plan, which shall upon approval by the Governor, constitute the budget for the Department of Transportation for Fiscal Year 2006.

NOW THEREFORE BE IT RESOLVED, that the Colorado Department of Transportation's Budget for the period of July 1, 2005 through June 30, 2006 is approved by the Transportation Commission and forwarded to the Governor for action.

# COLORADO DEPARTMENT OF TRANSPORTATION FISCAL YEAR 2005-06 BUDGET

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#### COLORADO TOLLING ENTERPRISE BOARD

JOSEPH JEHN, Chairman, Arvada, District 2

JOE BLAKE, Vice-Chairman, Denver, District 1

**GREGORY B. MCKNIGHT**, Greenwood Village, District 3

**BILL SWENSON**, Longmont, District 4

**BILL KAUFMAN**, Loveland, District 5

TOM WALSH, Craig, District 6

**DOUG ADEN,** Grand Junction, District 7

**STEVE PARKER**, Durango, District 8

**TERRY SCHOOLER**, Colorado Springs, District 9

GEORGE H. TEMPEL, Wiley, District 10

KIMBRA L. KILLIN, Holyoke, District 11

MARGARET "PEGGY" CATLIN, Acting Enterprise Director

JENNIFER WEBSTER, Secretary to the Board

#### COLORADO AERONAUTICAL BOARD

HAROLD PATTON, Chairman, Eastern Slope Representative

**CORINNE NYSTROM**, Vice-Chairman, Airport Management

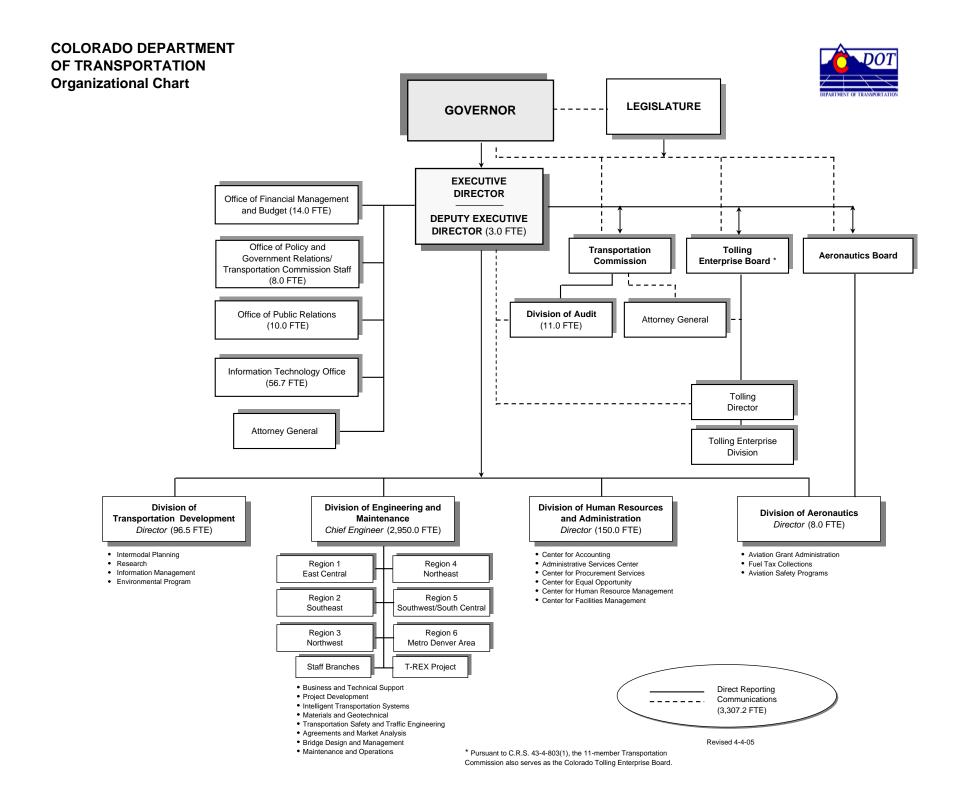
**PATRICK WIESNER**, Secretary, Pilot Organization Representative

**DALE HANCOCK**, Western Slope Governments

LARRY ROMRELL, Aviation Interests at Large

HAROLD FELDERMAN, Eastern Slope Governments

LEO LARGE, Western Slope Representative



#### COLORADO DEPARTMENT OF TRANSPORTATION



#### **MISSION**

The mission of the Colorado Department of Transportation is to provide the best multi-modal transportation system for Colorado that most effectively moves people, goods and information.

#### VISION STATEMENT

To enhance the quality of life and the environment of the citizens of Colorado by creating an integrated transportation system that focuses on moving people and goods by offering convenient linkages among modal choices.

#### **VALUES**

The Values that will guide the Colorado Department of Transportation and its employees are:

#### **INTEGRITY** - We earn Colorado's trust!

We are honest and responsible in all that we do and hold ourselves to the highest moral and ethical standards

#### **PEOPLE** – We value our employees!

We acknowledge and recognize the skills and abilities of our coworkers, place a high priority on employee safety, and draw strength from our diversity and commitment to equal opportunity.

#### **CUSTOMER SERVICE** – We satisfy our customers!

With a can-do attitude we work together and with others to respond effectively to our customer's needs.

#### **EXCELLENCE** – We are committed to quality!

We are leaders and problem solvers, continuously improving our products and services in support of our commitment to provide the best transportation systems for Colorado.

#### **RESPECT** – We respect each other!

We are kind and civil with everyone, and we act with courage and humility.

#### **OVERVIEW**

The proposed FY 2006 appropriated budget request to the General Assembly of \$23.4 million relates to two Long Bill groups or divisions; Administration and the Administration portion of the Division of Aeronautics. Of the total appropriation, none is from the State General Fund and 96.5 percent is from eash funds exempt.

The Department has four non-appropriated line items in the annual Long Appropriations Bill that are the responsibility of the Transportation Commission. These are provided for informational purposes only, with a proposed allocation totaling \$799.0 million consisting of federal, cash, and cash funds exempt. One line is Construction, Maintenance and Operations for \$785.0 million. The next is for the Statewide Tolling Enterprise at \$2.0 million cash funds exempt. The third line is Formula Refunds identifying the refunds to airports of a portion of the tax collected on commercial jet fuel at each airport for \$7.9 million cash funds. The final line is for Discretionary Grants to public use airports for airport safety enhancements, navigational aids, airport rehabilitation or improvement projects, capacity enhancements, and airport equipment, for \$4.1 million cash funds.

Funding for both the appropriated and the non-appropriated portions of the Department's budget consists of no General Fund, 6.6 percent cash funds, 52.7 percent cash funds exempt, and 40.7 percent federal funds. The major funding source of cash funds exempt is the Department's share of the Highway Users Tax Fund (HUTF). The HUTF is credited to the State Highway Fund (SHF) and is projected to total \$428.3 million in FY 2006, which is mandated to be used for Highways by the State Constitution.

#### FY 2005-2006 PROPOSED BUDGET

The Department of Transportation's total budget for FY 2005-2006 totals \$817,186,604, with a staffing level of 3,307.2 full time equivalent (FTE) positions. The funds come from various State, federal, and local revenue sources. These sources are detailed in sections to follow.

Federal law, State statute, and the State Constitution restrict how the Department can use the various funding sources. The large majority of the Department's budget appropriation is allocated and directed primarily by the eleven-member Transportation Commission. The Department of Transportation Administration, the Division of Aeronautics Administration, and Gaming Funds are appropriated by the State legislature. These items generate a FY 2006 appropriated budget of \$23.4 million, without Gaming Funds which were not approved.

The Commission utilizes a resource allocation system of program budget development linked to the five major investment categories, listed here and as described in detail in Appendix B.

#### **Investment Categories**:

- Safety
- System Quality
- Mobility
- Strategic Projects
- Program Delivery

The investment category budget and program implementation is detailed in the following pages. The priorities and available funds are allocated according to priorities and performance targets and are reported as to outcome/results utilizing the department's Performance Measurement and Reporting system. The Maintenance Program budget further allocates resources to the nine maintenance sections and six traffic sections using a "levels of service" (LOS) plan and allocation system with targeted levels of service delivery as determined by the Transportation Commission. This is reported using an annual performance grading and reporting system.

#### RESOURCE ALLOCATION

Resource Allocation is the process by which revenue estimates are used to distribute expected funding by CDOT investment category and program. This resource allocation aligns dollars with the CDOT investment categories of Safety, System Quality, Mobility, Strategic Projects, and Program Delivery.

Resource allocation is then geographically distributed to the six CDOT Engineering Regions. These geographical distributions are called control totals. CDOT program control total distributions are based on performance systems. Examples of these are Surface Treatment, Bridge, Maintenance Levels of Service, and Hazard Elimination. Others are formula based. Examples of these are Regional Priorities Program, STP-Metro and Congestion Mitigation Air Quality (CMAQ).

In October 2003, the Transportation Commission (TC), after considering input from public entities, local governments and CDOT staff, made its decision concerning Resource Allocation for the 2005-2030 Statewide Transportation Plan. The TC reemphasized its fiduciary responsibility to maintain the infrastructure of the State Highway System and its commitment to pay debt service on the TRANS bonds as top priorities.

The TC also reaffirmed its commitment to move toward performance measures in all applicable programs, enhancing Surface Treatment, Bridge On-System, and Hazard Elimination formulas to more definitive outcomes.

Acknowledging that congestion is an issue that needs future emphasis, the TC created a performance-based Congestion Relief program. The funds dedicated to this program will be used to relieve traffic on the State's most highly congested roads.

The TC decided to maintain current allocation methodologies and formulas in all other programs. It felt that the current weak economic climate was not conducive to a major realignment of resources. The Commission determined that all programs would be funded at the designated levels, and then the Regional Priorities Program would be a balancing factor to the available revenues. The formulas that changed and the new Congestion Relief program would be effective in FY 2007, with all current methodologies in place in FY 2006 of the Statewide Transportation Plan and The Statewide Transportation Improvement Program (STIP).

#### **SALARY AND BENEFITS**

The FY 2006 salary survey request was made according to the specified rates for each primary classification category. The performance based pay request was made based upon the Office of State Planning & Budgeting's (OSPB) approved formula and would be distributed based on performance ratings. The State contribution for employee health insurance was also increased per the State Personnel Director's recommended rate adjustments. The PERA rate of 10.15% was unchanged and used for FY 2006. These adjustments for FY2006 were modified by the Legislature, with the elimination of funding for performance based pay and a salary survey increase of 3.0% for all classifications.

#### **INFLATION - Operations**

For FY 2006 the OSPB inflation factor for operating is 0.0% for the legislatively appropriated programs.

The Department also utilizes inflation rates provided by the OSPB in the development of the budget request for areas other than construction and maintenance, and may make other adjustments as the funding and related workflow indicate. The Transportation Commission has added 3.0% for the Maintenance program, Equipment and the statewide Property program to prevent further decline in these essential program areas. The Maintenance Program was further increased by a \$10.0 million TC decision item to accomplish the Maintenance Level of Service at the B level. Furthermore, the Construction program allocations relate to the Construction Cost Index, rather than a set factor, as each project is variable and subject to a bid process.

#### **FTE LIMITATION**

By statute (CRS 43-1-113 (4)), the Department of Transportation is limited to a maximum of 3,316.0 full-time equivalents (FTEs). This includes all permanent and temporary positions (including those funded by legislative appropriation). The Transportation Commission has limited the full-time equivalents to a level lower than the statutorily authorized level. The level approved for FY 2006 is 3,307.2 FTEs (227.7 legislatively appropriated and 3,079.5 Commission appropriated).

#### STATEWIDE INDIRECT COSTS

Annually, the department is assessed a non-discretionary charge for statewide indirect costs. These costs reflect the overhead costs associated with certain services provided by various other State agencies to CDOT. These include the Department of Personnel, the Division of Accounts and Control, the Division of Telecommunications, and others. For FY 2006 the Department's statewide indirect cost assessment, as recommended by the State Controller's Office, is \$1.3 million, with the decrease due to certain costs such as the Digital Trunk Radio (DTR) and communication system charges now being billed directly to the department. The Statewide Indirect payment is allocated between the Administration and Construction & Maintenance programs.

It should also be noted that numerous additional non-discretionary charges are for services provided by other agencies for CDOT and are billed directly to the Construction and

Maintenance Programs allocated by the Transportation Commission. These include, but are not limited to: Multi Use Network (MNT) charges for communication services, Workers' Compensation Insurance, and DTR charges.

#### **DECISION ITEMS – Legislatively Appropriated**

Only items affecting the legislatively appropriated organizations and programs are itemized here. The adjustments for items appropriated by the TC are built into the appropriate investment categories and sub-programs.

#### **GAMING FUNDS** – Cash Funds

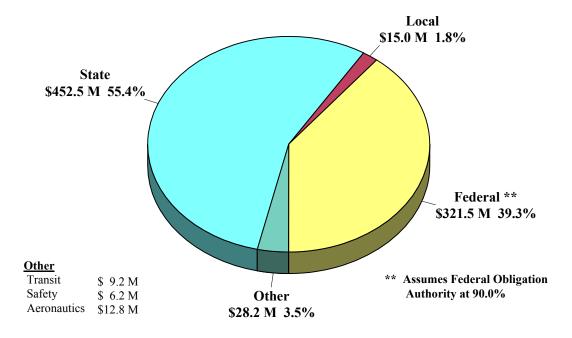
A request was made for \$1,219,207 from the Limited Gaming Fund for maintenance and rockfall mitigation to offset major growth in traffic on State highways in the vicinity of the gaming communities of Black Hawk, Central City, Cripple Creek and the Southwest Colorado Indian reservations. This request was made in accordance with C.R.S. 12-47.1-701(1)(c)(I). The request was not funded by the legislature.

#### **STATEWIDE DECISION ITEMS** – Cash Funds

In coordination with the Department of Personnel and Administration, Fleet Management, the Division of Aeronautics requested \$5,967 for Vehicle Lease Reconciliation and \$1,572 for Vehicle Replacement. ). The request was funded by the legislature.

#### **Colorado Department of Transportation**

# FY 2006 Revenues \$817.2 Million \*



<sup>\*</sup> Total Revenue does not include TRANs proceeds, which are used over multiple years. This also does not include Internal Cash Fund (ICF) "spending authority" of \$3.1 million which is derived from payments by internal or other government organizations, or \$2.0 million of spending authority for the StatewideTolling Enterprise.

#### FY2006 ESTIMATED REVENUES BY SOURCE

In FY 2006, the Colorado Department of Transportation anticipates receiving approximately \$817,186,604. The estimates do not include any funds from the State sales and use taxes transfer from the State General Fund to the State Highway Fund, pursuant to S.B.97-001, General Fund surplus funds pursuant to H.B. 02-1310, or Capital Construction Funds, pursuant to H.B. 95-1174.

STATE FUNDS		<u>FY 2006</u>
<b>Highway Fund - (State Share - SHF)</b> <sup>1</sup>		\$428,283,369
Additional Elements of the SHF		
Miscellaneous CDOT Revenues (Interest, Permits, etc.)	16,317,471	
Interest on Bond Proceeds	7,373,671	
State Infrastructure Bank	490,767	
Limited Gaming Fund - Decision Item	0	
Sub-Total	24,181,901	
GF to HUTF transfer for Construction (pursuant to S) GF to HUTF transfer for Construction (pursuant to H) Capital Construction Funds (CCF)		0 0 0
<b>Total State Funds</b>		\$452,465,278
LOCAL FUNDS (Match for Federal funds targeted to local entities)		\$14,999,986
FEDERAL HIGHWAY FUNDS (FHWA) <sup>2</sup>		\$321,480,275
OTHER FUNDS		
Transit & FTA <sup>3</sup>		9,235,783
Aeronautics Fund & FAA <sup>4</sup>		12,794,151
Highway Safety Funds including MOST <sup>5</sup> & LEAF <sup>6</sup>		6,211,131
Total Other	\$28,241,065	
ESTIMATED TOTAL CDOT REVENUE *		\$817,186,604

\*NOTE: Total Revenue does not include TRANS proceeds, which are spent over multiple years. This also does not include Internal Cash Fund (ICF) "Spending Authority" of \$3,134,025, which is derived from payments, by internal or other government organizations, and \$2,000,000 of "Spending Authority" for the Statewide Tolling Enterprise for a total budget spending authority of **\$822,320,629**.

<sup>4</sup> FAA – Federal Aviation Administration

11

<sup>&</sup>lt;sup>1</sup> SHF – State share of Highway Users Tax Fund

<sup>&</sup>lt;sup>2</sup> FHWA – Federal Highway Administration

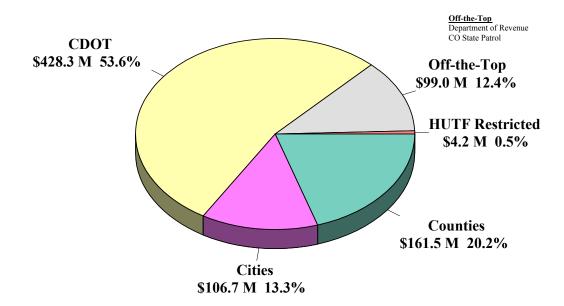
<sup>&</sup>lt;sup>3</sup> FTA – Federal Transit Authority

<sup>&</sup>lt;sup>5</sup> MOST – Motorcycle Operator Safety Training Fund

<sup>&</sup>lt;sup>6</sup> LEAF – Law Enforcement Assistance Fund

# Colorado Highway Users Tax Fund FY 2006 Distribution

# **\$799.6 Million**



#### STATE REVENUES

#### **HIGHWAY USERS TAX FUND (HUTF)**

The major source of revenue for CDOT is the Highway Users Tax Fund (HUTF), which is projected to total \$799.6 million in FY 2006. The major source of revenue for the HUTF is the State's motor fuel tax. This tax is estimated to generate \$585.0 million, 73.2%, of the total HUTF in FY 2006. The remaining 26.8%, or \$214.7 million, is comprised of motor vehicle registrations and other fees.

Prior to distribution to CDOT, the counties, and the municipalities, the General Assembly makes appropriations from the HUTF to the Department of Revenue and the Colorado State Patrol (Department of Public Safety) for various highway-related activities. The Department of Revenue's appropriations are for the ports-of-entry in the Division of Motor Carrier Services, and for the administration of the Motor Vehicle Division's expenses of the Motor Vehicle Business Group.

The appropriations above are referred to as "off-the-top" appropriations and cannot, by statute, increase more than 6% annually. For FY 2006, off-the-top appropriations are estimated to be \$99.0 million or approximately 12.4% of the total fund. Additionally, there are a number of **HUTF Restricted Accounts** (primarily in the Department of Revenue), for special purposes unrelated to highway construction and maintenance that are deducted from the initial HUTF revenues prior to distribution. After these appropriations are deducted from the "Basic Fund" (i.e., the original seven-cent per gallon fuel tax enacted in 1969 and all fees), the remaining dollars are distributed by statutory formula: 65% to CDOT, 26% to the counties, and 9% to the municipalities.

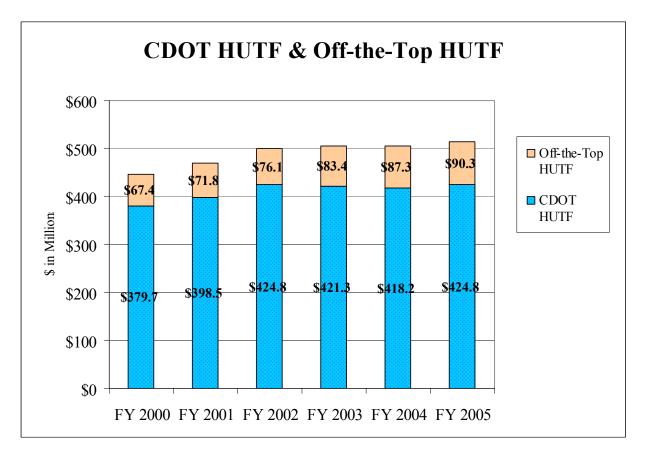
# HIGHWAY USERS TAX FUND (HUTF)\* OFF-THE-TOP APPROPRIATIONS

Fiscal Year	Within 6%	% Increase	Outside 6%	<u>Total</u>	% Increase
FY 1999-00	\$66,877,939		**\$566,699	\$67,444,638	
FY 2000-01	\$71,216,208	6.50%	**\$570,294	\$71,786,502	6.40%
FY 2001-02	\$75,489,180	6.00%	**\$566,107	\$76,055,287	5.90%
FY 2002-03	\$80,018,531	6.00%	***\$3,336,331	\$83,354,862	9.60%
FY 2003-04	\$84,819,643	6.00%	***\$2,503,531	\$87,323,174	4.80%
FY 2004-05	\$89,837,909	5.90%	**\$485,729	\$90,323,638	3.40%

<sup>\*</sup> Figures from annual Long Bill appropriations as adjusted by supplemental appropriations.

<sup>\*\*</sup> For Fuel Tracking System

<sup>\*\*\*</sup> For License Plate Ordering program and Fuel Tracking System



From 1979 to 1987, a percentage of Colorado's sales and use tax had been transferred by statute to help finance Colorado's highway system. In 1987, the Colorado General Assembly eliminated this transfer but continued limited General Fund highway support through FY 1991. In 1981, a 2-cent tax was added on each gallon of gasoline and diesel fuel and, in 1983, a 3-cent tax was added on each gallon of gasoline and 4 cents on each gallon of diesel. In 1986, a 6-cent tax was added on each gallon of gasoline and 7.5 cents on each gallon of diesel. In 1989, the General Assembly passed House Bill 1012 during the special session to increase the gasoline tax to 20 cents per gallon. The diesel tax of 20.5 cents was decreased to 18 cents on January 1, 1990. As part of the same legislation, on January 1, 1991, the **gasoline tax** was raised to **22 cents per gallon** and on January 1, 1992 the **diesel tax** returned to **20.5 cents per gallon**. The additional fuel taxes are distributed 60% to CDOT, 22% to the counties, and 18% to the cities.

The portion of the **HUTF** (considered Cash Funds in the Long Bill for TABOR purposes), that is **distributed to CDOT** plus interest and miscellaneous fees and federal reimbursements **constitutes the State Highway Fund (SHF)** (considered Cash Funds Exempt). In FY 2006, this is estimated to be \$428.3 million, or 61.5% of the HUTF.

#### **GAMING FUNDS**

Limited gaming began in Colorado on October 1, 1991. The most immediate and visible impact from gaming was to the roads surrounding the gaming communities of Black Hawk, Central City, and Cripple Creek and near the Indian-owned casinos in Southwest Colorado. Traffic increases on some stretches of State highways in the vicinity of the gaming

communities initially were 12% to 16% per year. From 1999 to 2000, the increases ranged from 1% to 3%. Most of these highways were not constructed to handle the large amount of traffic which gaming has caused.

Pursuant to C.R.S. 12-47.1-701(1)(c)(I), the Department of Transportation may request an appropriation from the State's Limited Gaming Fund to address the construction and maintenance needs associated with the increased traffic on State highways in the vicinity of the gaming communities. The amount appropriated to the Department of Transportation comes from the 50% portion of the Limited Gaming Fund that defaults to the General Fund pursuant to State law.

Since FY 1994-95, the Department of Transportation has received approximately \$27.0 million dollars in appropriations from the Gaming Funds for both highway construction and maintenance. The Department utilizes the Gaming Funds to match State Highway Funds for road improvements in proportion to the gaming-related traffic on the specific highway (e.g., if 50% of the traffic is attributed to gaming based upon pre-gaming and post-gaming traffic count comparisons, then 50% of the costs are requested from the Gaming Fund). Gaming Funds for maintenance are based upon a 5% inflationary increase each year over the amount of maintenance costs attributed to gaming in the base year of FY 1994-95.

#### SALES AND USE TAXES (S.B. 97-001):

In 1997, the Colorado General Assembly enacted S.B. 97-001. This bill provided that under certain conditions, 10% of the State sales and use tax attributable to the sales and use of vehicles and related items would be transferred to the Highway Users Tax Fund (HUTF) and subsequently credited to the State Highway Fund to be expended for the Strategic Transportation Project Investment Program. Beginning in FY 2000-01, the Department utilized a part of the sales and use tax funds to pay a portion of the debt service on the TRANS bonds the Department has issued.

Pursuant to law, the transfers of the sales and use tax to the HUTF would only occur if (1) adequate General Fund revenue exists to fund a maximum 6% increase in appropriations, (2) \$140 million of General Fund revenue is available for Capital Construction purposes, and (3) adequate General Funds are available for the statutorily required reserve. S.B. 97-001 was effective for five fiscal years beginning with FY 1997-98. H.B. 98-1202 amended this to make the sales and use tax transfers available for ten fiscal years. H.B. 99-1206 eliminated all of the conditions except for the maximum 6% increase in General Fund appropriations and made the sales and use tax transfers permanent.

In FY 2001-02 as the State's fiscal condition rapidly deteriorated, the General Assembly enacted legislation (S.B. 01S2-023) in the special session that suspended sales and use tax transfers to the HUTF. Because of the continuing problems with the State's General Fund revenue, these transfers have not resumed. Consequently, based upon actual revenue figures and OSPB estimates, from FY 2002 through FY 2006, the sales and use taxes would have generated approximately \$943.8 million. This would have addressed approximately 15.8% of the remaining Strategic 28 Corridor Projects that were scheduled to utilize these funds.

Current revenue projections by the Office of State Planning and Budgeting (OSPB) for the General Fund indicate that these transfers are not likely to resume for several years barring any changes in state law.

#### **CAPITAL CONSTRUCTION FUNDS:**

In 1995 the General Assembly enacted H.B. 95-1174 that provided that the Transportation Commission must annually submit to the Capital Development Committee (CDC) a prioritized list of State highway reconstruction, repair and maintenance projects for possible funding with Capital Construction Funds. Prior to 1995, the Department of Transportation was not eligible to receive State Capital Construction Funds inasmuch as these funds were reserved for non-transportation related capital improvements such as State buildings.

Under the legislation, the Capital Development Committee reviews the Transportation Commission approved list of projects and either approves or rejects the list in its entirety. The CDC-approved list of projects is forwarded to the Joint Budget Committee for possible funding up to the available amount of Capital Construction Funds. Capital Construction Funds appropriated to the Department may be included in the annual Long Appropriations Bill or in a separate bill. Pursuant to H.B. 1174, Capital Construction Funds are appropriated to the Department in a lump sum, not by individual project, and are available for three fiscal years if included in the Long Bill. At the end of the three-year period, any unspent Capital Construction Funds revert to the State fund.

From FY 1996 through FY 2001, the Department of Transportation received Capital Construction Fund appropriations totaling \$386.5 million. However, because of the continuing fiscal problems confronting the State, the Department has not received any Capital Construction Funds in recent years.

#### **REVENUE ISSUES**

CDOT does not receive State General Fund (GF) appropriations, other than the transfers of a portion of sales and use taxes pursuant to S.B. 97-001 and due to a decline in the State revenues; this transfer has been halted from FY2003 through FY2006 and at least several years into the future. Consequently, pursuant to the Commission's decision, sales and use taxes are not included in our revenue projections for FY2006 or beyond.

House Bill 02-1310 and S.B. 02-179 (identical bills) enacted by the General Assembly in 2002 provide that beginning on July 1, 2003, and each July 1 thereafter, the General Fund surplus less the 4% reserve and less any revenues in excess of the constitutional limitation are to be allocated two-thirds to the Highway Users Tax Fund and one-third to the State's Capital Construction Fund. The HUTF allocation from the General Fund surplus is to be paid to the State Highway Fund (SHF) for allocation to CDOT for State highway planning, design, reconstruction, repair, maintenance, and capital expansion projects. Any surplus General Fund revenue is paid in the following fiscal year. In FY 2004, the Department of Transportation received \$5.6 million from the General Fund surplus of FY 2003, and received \$81.5 million from the FY 2004 General Fund surplus, but at this time, it is uncertain whether the Department of Transportation will receive any revenue from the FY 2005 General Fund surplus, and thus these funds are not included in CDOT revenue estimates for FY 2006.

#### FEDERAL REVENUES

The Transportation Equity Act for the 21<sup>st</sup> Century (TEA-21), signed into law June 9, 1998, authorized continued federal transportation funding for six years (FFY 1998 through FFY 2003). This act represented a major attempt by both Congress and the President to address the transportation problems facing the nation. **TEA-21 expired on September 30, 2003, and new federal reauthorization legislation has not been enacted. Therefore, we have assumed a continuation of funding similar to that of the expiring TEA 21 for our FY 2006 revenue forecast and programs.** 

TEA-21 authorized \$217 billion nationwide (\$198 billion for Surface Transportation) over the life of the bill. Under this measure Colorado has received an average of \$293 million per year in formula allocations. Actual obligation authority ranged from 88 to 104 percent of authorizations or \$258 to \$290 million per year (obligation limitation is the mechanism for controlling the rate of highway spending each year).

TEA-21 provided a guaranteed level of federal funds keyed to receipts of the Highway Account of the federal Highway Trust Fund (HTF). The act also specified that each State's share of apportionment for specified programs is at least 90.5 percent of its percentage share of contributions to the Highway Account, based on the latest data available at the time of apportionment.

Federal funding is derived primarily from the federal fuel tax that is currently 18.4 cents per gallon on gasoline and 24.4 cents per gallon for diesel. Federal Highway Trust Fund excise taxes have been extended through September 2005.

There are also federal discretionary grant funds made available to Colorado for emergency relief or specific projects. CDOT has been successful in obtaining these grant funds over time, but due to the uncertain nature of the application process associated with the award of these additional funds, CDOT has not included an estimate of these funds in the annual revenue forecast for initial budgeting purposes.

#### FEDERAL OBLIGATION

The federal fund figures assume an estimated 90% federal obligation limit for total federal funds in FY 2006. The obligation authority limit reduces estimated FY 2006 federal funds for Colorado by \$33.6 million, for a total of \$322.4 million instead of \$356.0 million. There is a further mandated reduction of \$930,341 for the Recreational Trails program, resulting in a net \$321.5 million of federal funds for FY 2006.

#### FEDERAL TRANSIT REVENUES

Colorado's transit systems are primarily funded through the Federal Transit Administration (FTA). Operating and capital assistance for urbanized areas (Colorado Springs, Fort Collins, Grand Junction, Greeley, Longmont, Pueblo and Lafayette/Louisville) is awarded by the FTA directly to those areas. Federal assistance for transit services in non-urbanized areas, transit planning and transportation for the elderly and disabled, is administered by CDOT. Federal funds for transit programs are partially derived from 1.5 cents per gallon tax set aside in the federal Highway Trust Fund and are awarded to states based on population.

For FY 2006, Colorado is expected to receive approximately \$145 million in federal transit funds, of which only \$8.8 million are administered by CDOT, with the remaining funds allocated directly to the local entities by FTA. Those estimates are based on Section 5307 at \$50 million; Section 5309 Bus & Bus Facilities (CASTA) at \$15 million; and Section 5309 New Starts (RTD) at \$80 million. **Estimates are subject to change due to reauthorization.** 

#### **AVIATION REVENUES**

#### STATE

Like other programs within the Department of Transportation, this program receives no General Fund revenue to support its aviation activities. Financial support for aeronautical activities is provided through the State Aviation Fund, which generates revenues through an excise tax on general and non-commercial aviation fuels. Four cents per gallon is collected at the wholesale level on non-commercial jet fuel and six cents per gallon is assessed on aviation gasoline (AvGas) for light single-engine and twin-engine aircraft. All but 2 cents of this revenue is returned to the airport of origin earmarked for airport development. The remaining 2 cents is placed into the Aviation Fund to be disbursed as "grants-in-aid" to the aviation community and as administrative expenses for the CDOT Division of Aeronautics (DOA) (capped at five percent of the annual deposits into the Aviation Fund). The 3% jet fuel sales tax collected on sales of jet fuels to all non-commercial users is similarly disbursed.

Using State revenue from the sale of aviation fuel and jet fuel, the Division of Aeronautics plans to distribute about \$4.1 million in discretionary grants to airports throughout Colorado in FY 2006. These grants are made to help fund a variety of projects such as runway repair, emergency equipment upgrades, airport terminal rehabilitation and runway lighting. The Colorado Aeronautics Board (CAB) generally requires that local matching funds are included in proposals to the CAB, to demonstrate local support for project requests.

It should be noted that in 2003, with the passage of S.B. 03-049, the Formula Refund and Discretionary Grants portions of the Aviation Fund are now continuously appropriated, subject to the authority of the CAB. This was done to provide for the more timely distribution of these funds to the airports that are due the refunds or that have qualified for the grants. The Division's Administration activities are still appropriated by the legislature.

#### **FEDERAL**

Federal support for Colorado's aeronautics program is minimal, with the exception of the funds for Denver International Airport, which is not part of the CDOT Division of Aeronautics. CDOT is estimated to receive \$331,698 in federal funds for FY 2006. In FY 2006, there are 3.0 FTEs funded from these federal funds.

Federal support of the Aeronautics Program is designed to accomplish specific aeronautical projects of federal interest. These projects require a 10% match from the State Aviation Fund, which is provided by the CAB from the Discretionary Airport Grant Program.

In addition to the FAA funds managed by CDOT, there is an additional \$70 million in Federal Airport Improvement Program (AIP) grant funds estimated to be available to Colorado airports in FY 2006. The AIP grant recipient airports numbers 30-35 per year, and **includes** both Denver International Airport (DIA) and the Colorado Springs Airport (COS).

The AIP grant funds to Colorado airports from 2002-2004 (DIA and COS included):

- 2002 25 Airports/\$81.8 million
- 2003 46 Airports/\$75.0 million
- 2004 35 Airports/\$66.2 million

#### SAFETY EDUCATION PROGRAM - REVENUES

#### **STATE**

There are two major safety programs, which are entirely State funded: the Law Enforcement Assistance Fund (**LEAF**) and the Motorcycle Operator Safety Training (**MOST**) Program. LEAF was created by the legislature in 1982 to help cities and counties enforce drunk driving laws. The Office of Transportation Safety (OTS), within the Safety and Traffic Branch of CDOT, is assigned the responsibility of allocating LEAF money to law enforcement agencies statewide. Today, there are approximately 40 law enforcement agencies in the state receiving LEAF money, with \$1.8 million in LEAF funds to be allocated in FY 2006.

No tax dollars go into LEAF. A \$90 fee is assessed upon conviction or a guilty plea for an alcohol-related traffic offense. The State receives \$75 of the \$90 fee and the county receives the remaining \$15.

In 1990, the General Assembly created the Motorcycle Safety Training (MOST) Program to promote safe motorcycle riding and established a five-member MOST Program Advisory Committee. Effective July 1, 1997, surcharges of \$1 on each motorcycle-endorsed driver's license and \$4 on each motorcycle registration are credited to the MOST Fund. For FY 2006, MOST funds are estimated at \$636,131. Of this amount, a portion is set aside for motorcycle training organizations to be used as 50% tuition reimbursement. The remaining funds are for administrative costs.

#### **FEDERAL**

Four major programs in the Safety Education Program that receive federal funds:

#### • Transportation Safety Administration

This program is funded with federal Section 402 funds and is matched dollar for dollar with State Highway Funds. This program funds the general administration of the Office of Transportation Safety within CDOT as well as the overall management of the various projects within the office. For FY 2006, this program will total \$0.348 million matched at a 50% federal and 50% State ratio.

#### Highway Safety Plan

Federal funds for the first seven safety areas come from the National Highway and Traffic Safety Administration (NHTSA) 402 funds. Funds for the Roadway Safety area come from the FHWA 402 program and deal with non-construction safety areas, such as proper traffic signs and signals, traffic engineering and maintenance training. For FY 2006, \$1.6 million in federal funds are allocated to this program and are matched on a 75% federal and 25% State or local ratio.

#### • Alcohol Incentive Grant Program

The program aims to reduce alcohol-related driving and crashes. For FY 2006 this program is funded entirely with federal funds from the 410 Program at \$0.9 million.

#### • Fatal Accident Reporting System (FARS)

The FARS program is 100% federally funded from section 403 funds, and is currently under a three-year cooperative agreement with NHTSA with an option to renew for an additional two years. Funds for this program become available annually on a calendar year basis. For FY 2006, funding is expected to total \$.09 million.

#### TRANSPORTATION REVENUE ANTICIPATION NOTES (TRANS)

Transportation Revenue Anticipation Notes (TRANS) is a financing mechanism that allows the Department to issue bonds to accelerate projects today and use future federal and state revenues to pay back bondholders over time.

The State Legislature passed H.B. 99-1325, in the 1999 session. In November of that same year, the voters approved Referendum A. Referendum A granted the Department the authority to utilize this financing mechanism.

The legislation had several restrictions. These restrictions are as follows:

- Bond proceeds must be used on the **Strategic Transportation Projects Investment Category Programs**, commonly known as the 7th Pot projects.
- The maximum principal amount of bonds that can be issued cannot exceed \$1.7 billion and the total repayment of principal and interest cannot exceed \$2.3 billion.
- The highest level of debt service in any given year cannot exceed 50% of the previous year's federal aid funds collected, e.g., if CDOT collects \$350 million in federal funds during the state fiscal year, the total annual repayment of all bonds issued to date cannot exceed \$175 million.
- To repay the bonds, the department may use the following sources:
  - o Federal transportation funds
  - o State-matching funds
  - Note proceeds
  - o Interest earnings

There is no specification of the portion of fund types that can be used in repayment of the bonds in the legislation.

To date, the total bonding capacity has been issued under the limit that repayment of principal and interest cannot exceed \$2.3 billion. All TRANS funds have been budgeted and are under contract. Currently outstanding from the May 2000 issuance is \$177,880,000 of bonds, and from the April Series 2001A issuance is \$303,465,000 of bonds. In June 2002, Series 2002 bonds were issued of which \$85,040,000 remains outstanding. Of the July 2002 Series 2002 Refund Bonds issued, \$394,140,000 remains outstanding. Of the March 2004A Series issued, \$134,640,000 remains outstanding. Of the March 2004B Series issued, \$273,520,000 remains outstanding. The total debt service is now at \$2.3 billion, which has been the controlling factor, and has allowed us to make approximately \$1.5 billion available for projects.

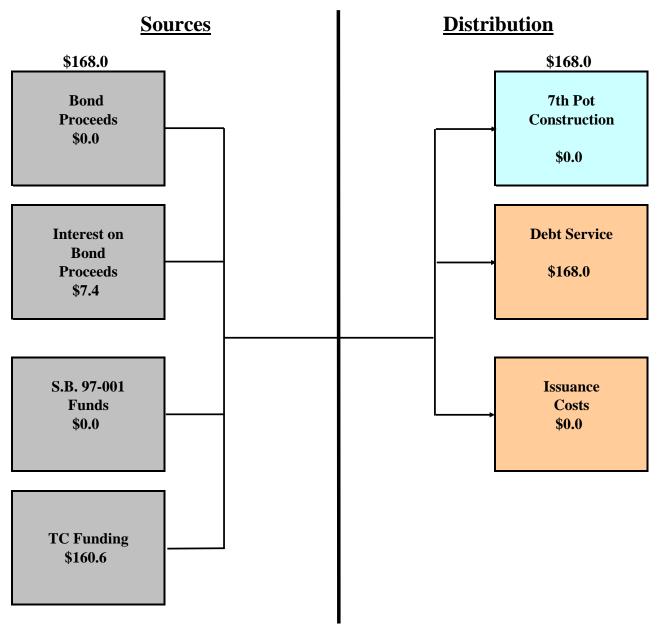
Debt Service payments for FY2006 total \$168 million, based on:

- o \$51.0 million for Series 2000
- o \$52.9 million for Series 2001A
- o \$16.5 million for Series 2002
- o \$20.7 million for Series 2002 Refund
- o \$ 6.7 million for Series 2004A
- o \$20.0 million for Series 2004B

## **FY2006 TRANS \***

# **Strategic Projects Investment Category**

(In Millions)

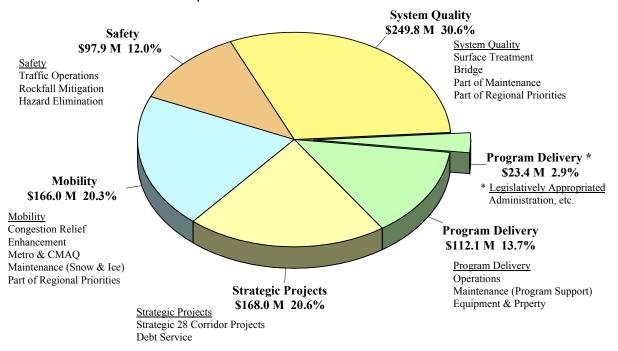


As of November 12, 2004

<sup>\*</sup> TRANS proceeds, are utilized in projects over multiple fiscal years. Any additional issuance decisions will be based upon economic and project related issues.

# CDOT INVESTMENT CATEGORIES FY 2006 Estimated Distribution

# **\$817.2 Million**

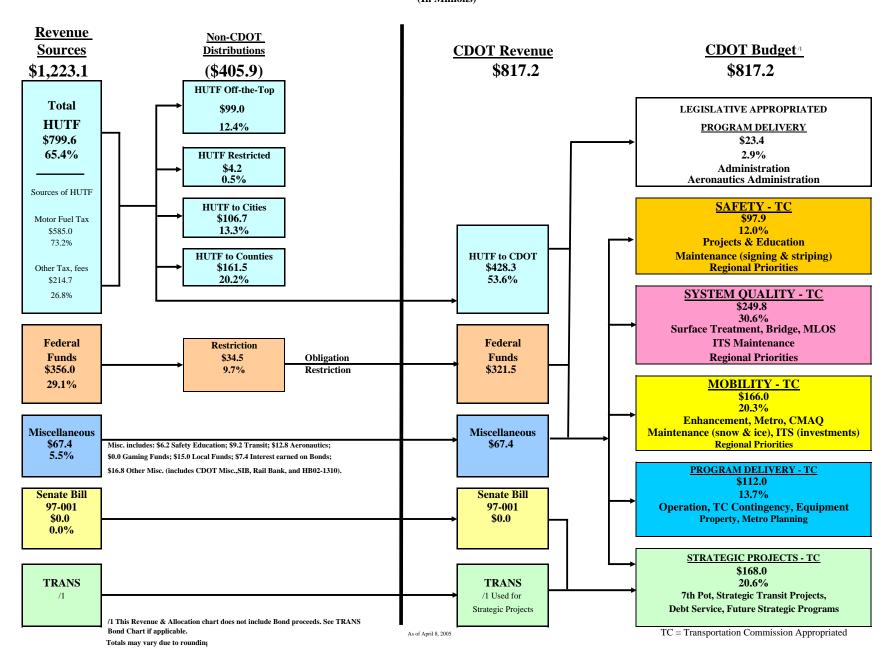


This distribution does not include TRANS Bond proceeds and is an estimate based upon general Program Budget alignments with Investment Categories, and thus not project specific.

Totals may differ due to rounding

#### **Colorado Department of Transportation**

# Estimated FY 2005 - 2006 Financing System - Distribution by Investment Categories (In Millions)



# COLORADO DEPARTMENT OF TRANSPORTATION ALLOCATION BY INVESTMENT CATEGORY

As of April 21, 2005

INVESTMENT CATEGORY	<b>ALLOCATION</b>
PROGRAM AREAS (All or part)	A mutl
SAFETY	<u>April</u>
Safety	12,773,142
Rockfall Mitigation	3,000,000
Rockfall Mitigation - Gaming Funds	0
Hazard Elimination	14,047,000
Hot Spots	2,100,000
Traffic Signals	1,427,000
Safety Enhancements	5,339,000
Maintenance (Traffic Operations)	59,256,223
Regional Priorities	<u>0</u>
Total SAFETY	97,942,365
SYSTEM QUALITY * FY06 ST to do in FY05	
Surface Treatment * 42,401,957	100,684,043
CDOT Bridge & Special DI for Culvert Repair Local Bridge	32,892,000 8,886,000
Maintenance	85,955,944
Rest Area	0
ITS Maintenance	3,737,000
Maintenance - Gaming Funds	0
Regional Priorities	<u>17,690,400</u>
Total System Quality	249,845,387
MOBILITY	
Congestion Relief	0
Enhancement	10,888,000
Metro	34,536,000
CMAQ	26,985,000
Maintenance (Avalanche, Snow & Ice)	42,227,142
ITS Investments	4,373,000
Gaming Construction	0
Division of Aeronautics - non Admin.	12,139,034
Transit Pagional Priorities	9,365,782
Regional Priorities  Total MOBILITY	25,485,600 <b>165,999,558</b>
Total MODILIT 1	103,999,336
STRATEGIC 28 PROJECTS	
7th Pot Projects	0
Debt Service	<u>167,990,650</u>
Total STRATEGIC PROJECTS	167,990,650
PROGRAM DELIVERY	
Operations	59,767,835
Maintenance (Program Support)	23,453,314
TC Contingency	24,661,243
Road Equipment	12,648,130
Capitalized Operating Equipment	3,534,403
Property	7,422,443
Metro Planning	3,921,276
Total PROGRAM DELIVERY	135,408,644
TOTAL CDOT INVESTMENT CATEGORIES	\$ 817,186,604
	. , , , , , , , , , , , , , , , , , , ,

#### SAFETY INVESTMENT CATEGORY

Defined as: services, programs and projects that reduce fatalities, injuries and property damage for all users of the system

The Safety Investment Category focuses on two key program areas: Roadway Safety Characteristics and Driving Behaviors. Roadway Characteristics performance is measured by: Total Crash Rates, Injury Rates, and Fatality Rates. Driving Behaviors performance is measured by tracking: Alcohol Related Fatality Rates and Seatbelt Usage.

# SAFETY PROGRAM AREAS - SAFETY EDUCATION & ROADWAY SAFETY

Under TEA-21, once the Surface Transportation Program (STP) funds are distributed to the states, each state must set aside 10% for safety construction activities, i.e., hazard elimination and rail-highway crossings. TEA-21 expired on September 30, 2003, and new federal reauthorization legislation has not been enacted, therefore, CDOT has assumed a continuation of funding similar to that of the expiring TEA-21 for our FY2006 revenue forecast and programs.

The current statewide priorities for this include programs that reduce fatalities, injuries and property damage for all users of the system. The investment category includes two areas of focus. The first focus area includes those programs used to influence driver behavior. The second area focuses on highway improvements to improve the safety of the motoring public.

#### **DRIVER BEHAVIOR PROGRAMS – Safety Education**

In combination with traditional roadway safety improvements, this program promotes safety through education and enforcement programs such as media campaigns ("TWIST", "Heat is On", "CHILL"), and education programs through media campaigns and school districts for groups which are disproportionately represented in crashes.

This Office of Transportation Safety (OTS), within the Safety and Traffic Branch of CDOT, is assigned the responsibility for the promotion and coordination of transportation safety education throughout the State. The Highway Safety Plan developed by this office is a long-range plan mandated by the Federal Highway Safety Act of 1966, which is designed to reduce traffic accidents and deaths, injuries and property damage.

The OTS develops projects with State and local governmental agencies, non-profit organizations and universities for inclusion in the Highway Safety Plan. These projects are designed to address problems identified in major safety areas such as alcohol/drug countermeasures, police traffic services, roadway safety, occupant protection, traffic records, emergency medical services, and motorcycle safety. Federal funding is made available for these projects with local matching funds.

The OTS administers two State-funded programs. These are the Law Enforcement Assistance Fund (LEAF) and the Motorcycle Operators Safety Training (MOST) Program. LEAF provides grants to assist local law enforcement agencies in the enforcement of drunken driving

laws. Funding for this program comes from fines collected from every person who is convicted of, pleads guilty to, or receives a deferred sentence for a violation of alcohol/drug driving laws. The MOST Program provides safety training programs for motorcyclists, and is funded from a \$1 surcharge on all drivers' licenses that have a motorcycle endorsement, and a \$4 surcharge on all motorcycle registrations.

#### TRANSPORTATION SAFETY ADMINISTRATION

This program is funded with federal Section 402 funds and is matched dollar for dollar with State Highway Funds. This program funds the general administration of the Office of Transportation Safety within CDOT as well as the overall management of the various projects within the office. For FY 2006, this program will total \$0.348 million matched at a 50% federal and 50% state ratio.

#### **HIGHWAY SAFETY PLAN**

This program annually funds approximately 40 joint projects between local agencies and the Office of Transportation Safety, for eight highway safety areas, which include:

- Alcohol/Drugs and Driving
- Occupant Protection
- Police Traffic Services
- Emergency Medical Services
- Traffic Records
- Motorcycle Safety
- Pedestrian and Bicycle Safety
- Roadway Safety

Federal funds for the first seven safety areas come from the National Highway and Traffic Safety Administration (NHTSA) 402 funds. Funds for the Roadway Safety area come from the FHWA 402 program and deal with non-construction safety areas, such as proper traffic signs and signals, traffic engineering and maintenance training. For FY 2006, \$1.63 million in federal funds are allocated to this program and are matched on a 75% federal and 25% State or local ratio.

#### ALCOHOL INCENTIVE GRANT

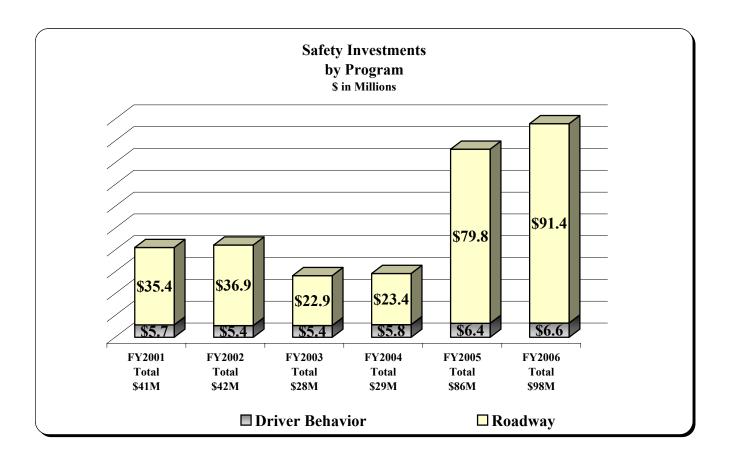
The program aims to reduce alcohol-related driving and crashes. For FY 2006 this program is funded entirely with federal funds from the 410 Program at \$0.9 million.

#### FATAL ACCIDENT REPORTING SYSTEM (FARS)

The FARS program is 100% federally funded from section 403 funds, and is currently under a three-year cooperative agreement with NHTSA with an option to renew for an additional two years. Funds for this program become available annually on a calendar year basis. For FY 2006, funding is expected to total \$.09 million.

#### ROADWAY SAFETY PROGRAM AREA

This program identifies roadway improvements to improve decision-making and reaction times of the motoring public. Roadway improvements include such projects as replacement of signs and roadway markings, sight-distance improvements, acceleration/deceleration lanes, intersection improvements, lighting, etc.



Note: The apparent increase in funding for FY 2005 is primarily due to a re-categorization of funding with the maintenance program's traffic services, changing from System Quality to Safety.

#### SYSTEM QUALITY INVESTMENT CATEGORY

Defined as: Activities, programs and projects that maintain the function and aesthetics of the existing transportation infrastructure

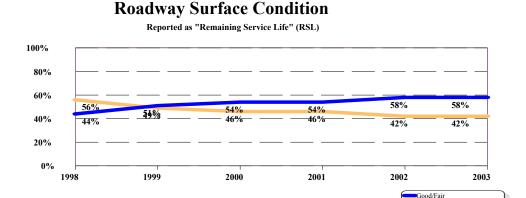
The significance of this investment category is that it is responsible for the quality of the transportation infrastructure. Investment decisions in this category impact the surface quality and remaining service life of roadways and structures. The investment Program Areas are: Pavement, Bridge, Roadside Facilities, Traffic Operations, Rest Areas, Roadside Appearance and Other Modes.

#### SURFACE TREATMENT

The Surface Treatment Program involves a combination of federal and State funds. Federal Surface Transportation Program funds may be utilized in this program for any roads that are not functionally classified as local or rural minor collectors.

To preserve and maintain the State highway system, the Transportation Commission will allocate \$100.7 million in FY 2006 to the Surface Treatment Program (plus a minimum of \$24.3 million transferred to the Maintenance program for surface work.) This is the thirteenth fiscal year of an increased level of funding for surface treatment. In contrast, in FY 1993, only \$46.4 million was budgeted for the program. The decision to increase the amount for resurfacing was based on 1993 data showing that 64% of the state highway system had pavement rated as "poor." The increased emphasis has had a positive effect. Using "Remaining Service Life" (RSL), the current pavement condition on the State system is rated 58% as "fair/good" and 42% as "poor."

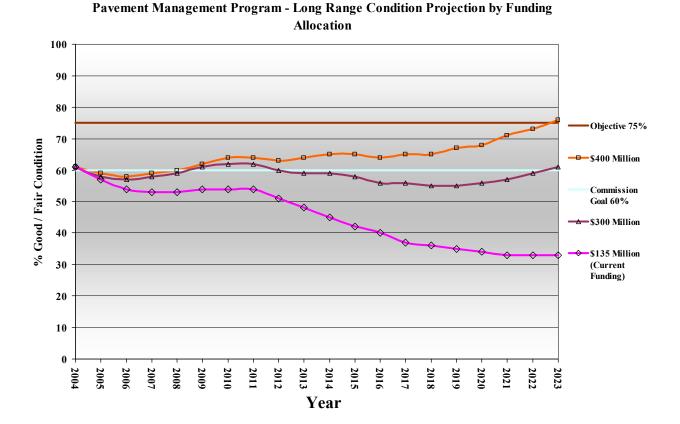
The Transportation Commission has determined that the overall objectives for surface condition are 60% good/fair and 40% poor. The Commission has set the following objectives for the pavement condition of the State highway system: Interstate 85% good/fair - 15% poor; National Highway System 70% good/fair - 30% poor; All Other Roadways 55% good/fair - 45% poor. The following graph depicts the changes in condition for recent years.



9,172 Center Line Miles 22,564 Lane Miles

29

However, the current funding levels will not sustain the surface condition in future years, as the next chart indicates the resultant condition of Good/Fair by varying funding levels.



#### **BRIDGE**

Congress funds a portion of the State's Bridge Program through the Highway Bridge Replacement and Rehabilitation Program (HBRRP). For HBRRP purposes, a bridge is defined as a structure including supports erected over a depression or an obstruction, such as water, highway, or railway, and having a track or passageway for carrying traffic or other moving loads, and having an opening measured along the center of the roadway of more than 20 feet (6.1 meters) between undercroppings of abutments or spring lines of arches, or extreme ends of openings for multiple boxes; it may also include multiple pipes, where the clear distance between openings is less than half of the smaller contiguous opening.

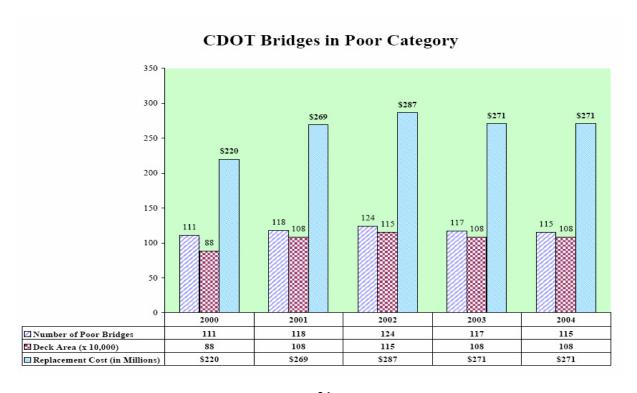
The HBRRP, although it has changed somewhat throughout the years, has funded structurally deficient and functionally obsolete bridges that qualify for what is known as the "Federal Select List of Bridges" (the Select List). On a two-year cycle, CDOT and consulting engineers inspect all of the public bridges within the state in accordance with the National Bridge Inspection Standards (NBIS) and, each year, CDOT reports the conditions of the bridges to the Federal Highway Administration (FHWA). From that information, those bridges that are determined to be either Structurally Deficient (SD) or Functionally Obsolete (FO) AND have a Sufficiency Rating of eighty or less are placed on the Select List. The Sufficiency Rating is a

value from zero to one-hundred (with zero being the worst) that bridges are rated by, based on structural safety, serviceability, and essentially for public use. To be classified SD or FO, bridges must meet specific criteria defined by FHWA. Those structures that have a Sufficiency Rating LESS THAN fifty qualify for HBRRP replacement funding while those with a Sufficiency Rating from fifty to eighty qualify for rehabilitation funding. The Bridge Design and Management Branch provides this information to the State's Regional Transportation Directors, the cities and counties through the Special Highway Committee, and to Transportation Planning organizations for their use in selecting and prioritizing bridge projects within their jurisdictions to be included in the Statewide Transportation Improvement Program (STIP).

The Code of Federal Regulations (CFR) states that not less than 15 percent nor more than 35 percent of the apportioned funds shall be expended for projects located on public roads, other than those on a Federal-aid system (Off-System). No less than 65% is spent on Federal-aid bridges (On-System).

The numbers of bridges qualifying for the Select List has been fairly constant. That is to say, that the numbers of bridges in the fair and poor categories has not changed dramatically from year to year because as bridges are being replaced, others are deteriorating and becoming eligible for the Select List. At current funding level this is expected to change in the future, with a growing number of poor bridges, as the average age of the State's bridge infrastructure increases.

Bridges in the poor category typically indicate a need for replacement instead of preservation activities. CDOT currently invests \$31.7 million annually on on-system bridges. At this rate it would take approximately nine years to replace the bridges in poor condition, not withstanding that there would be additional bridges moving from fair to poor condition. The total project cost to replace the current number of poor on-system bridges is estimated to be \$275 million dollars.



#### **MAINTENANCE**

Our Maintenance Program protects the significant investment in our current infrastructure. The program is designed to keep the 9,200 centerline-mile State highway system open and safe for the traveling public. This involves all activities from the centerline of the highway to the right-of-way fence on both sides of the highway. Examples of highway maintenance activities include: patching by hand or machine, sealing of pavement cracks and joints, seal coating, blading unpaved surfaces and shoulders, cleaning drainage structures, cleaning and shaping ditches, repairing slopes because of washout or erosion, maintaining stream beds, sweeping the road surface, picking up litter and trash, controlling vegetation, maintaining roadway signs and lighting, painting bridges, snow plowing and ice control, removing of snow and sanding, and controlling avalanches. This preservation effort is not only vital to the integrity of the infrastructure; it is an imperative component of highway safety for the traveling public.

While maintenance work by nature is somewhat reactive, CDOT's maintenance personnel strive to provide a consistent level of service to the traveling public that ensures a safe and efficient highway system. For example, when weather deals a challenge, such as in a snowstorm, flood, or avalanche, our Maintenance forces prioritize their objectives and utilize all available resources to address safety and access of the system as quickly as is possible.

In an effort to provide statewide consistency in service, for FY2006, CDOT has continued a Performance Budgeting System for the Maintenance Program. The "Maintenance Levels of Service" (MLOS) system includes an annual physical rating and/or survey to observe results or conditions for approximately fifty activity or system items. The measured items are then categorized into nine "Maintenance Program Areas" (MPAs), which are: planning, scheduling, inspection, and training; roadway surface; roadside facilities; roadside appearance; traffic services; bridge; snow and ice; buildings, grounds, rest areas and equipment; and major tunnels. There are five service levels established for each MPA, with calculations translated to a scale of A through F, with A being the best or highest service level and F being the worst. In order for field staff to properly carry out the Commission's priorities there are definitions and pictures clearly delineating the various levels of effort.

The ratings for each MPA are then applied as the base level to a modeling system that provides cost matrices to identify budget requirements to achieve changes to the target MLOS. This provides the Transportation Commission with the necessary cost/benefit analysis to allow prioritization of level of effort and related funding in all major MPAs. The MPAs are also identifiable in the Department's overall investment categories to allow a link with investment strategies and result oriented allocations.

Prior to MLOS results were reported in terms of quantity, as illustrated below, without the results being noted in terms of system quality, mobility or program delivery. During FY 2004 these transportation workers:

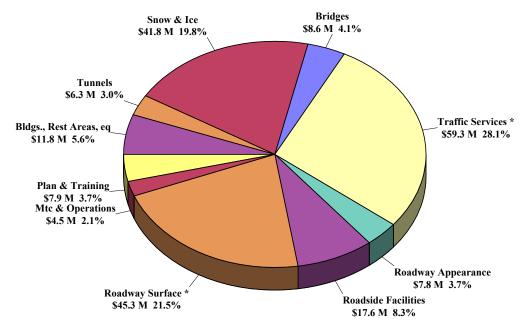
- Extended the life of highways utilizing 330,000 tons of asphalt and 1.97 million gallons of liquid asphalt in asphalt preservation activities.
- Striped over 57,508 miles of roadway.
- Snowplowed, sanded and/or de-iced Colorado highways traveling 5.548 million miles.
- Disposed of 136,767 cubic yards of trash with the help of 20,000 Adopt-A-Highway volunteers.

- Installed, replaced or repaired 100,802 signs and/or posts damaged by accident, vandalism or deterioration.
- Replaced, installed or repaired over 17.8 million linear feet of fencing along right of way.
- Provided over 53,484 hours of traffic surveillance through Colorado's two major vehicular tunnels along the I-70 corridor. This in turn provided quick response to the 457 emergencies that occurred, helping to ensure safe passage for the motoring public.

These activities support the level of service in the MPAs and drive the MLOS rating applied by the system survey. The following chart indicates the investment anticipated in each MPA, in order to achieve the target levels, ranging from A through F, as established by the Commission.

MPA	<b>FY 2004 LOS</b>	FY2006 Proposed LOS
Planning & Training	В	В
Road Surface	A-	B+
Roadside Facilities	A-	В
Roadside Appearance	B+	В
Traffic	В	В
Structures	D+	C-
Snow & Ice Control	В-	В
Equipment, Bldgs., Grounds	В	B+
Tunnels	<u>C+</u>	<u>B</u>
Total Maintenance Program - Statewic	le B	В

# FY 2006 Maintenance - LOS \$210.9 Million \*



<sup>\*</sup> Plan based upon Target Level of Service allocation model, including \$24.3M of Surface Treatment Funds, \$23.1M of Safety Funds transferred to Traffic Services, and \$0.0 million of Gaming Funds.

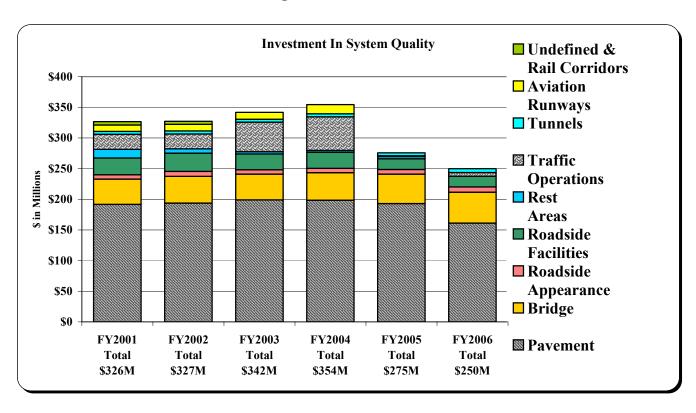
#### **INTELLIGENT TRANSPORTATION SYSTEMS (ITS)**

\$8.1 million is provided to continue the Revised Model Deployment Initiative (RMDI) work into its second phase of a plan which will design, build, operate, and maintain, and/or finance the implementation of the ITS program. This program includes maintaining the existing ITS infrastructure throughout the state and a management center (CTMC). This is the eighth year of an ongoing program.

Does not include \$2.9M for CDOT Staff and operating costs identified in CDOT Operations in the Engineering Program.

### **CDOT's Investment in System Quality**

This Graph Compares Allocation of Funds for FY 2001–FY 2006 Utilizing the Original Budget for Each Fiscal-Year



Note 1: The sequence of the stacked bar sections are in the same order as the legend of subprograms listed on the right of the Graph.

Note 2: The apparent decrease in funding for FY 2005 is primarily due to a re-categorization of funding with the maintenance program's traffic services, from System Quality to Safety.

# MOBILITY INVESTMENT CATEGORY

Defined as: Services, projects and programs that provide for the movement of people, goods and information

The Mobility Investment Category is a comprehensive category that complements other investment categories. The Mobility Investment Category Strategy encompasses investments made in accessibility to the transportation system, transportation options, environmental impacts, connectivity, travel time variability and overall infrastructure management. Mobility related areas include: Highway Performance, Alternate Modes, Facility, Travel Demand, and Weather/Other Response.

# CONSTRUCTION

Highway construction projects are selected in order to address a particular problem on the State highway system such as safety, surface deterioration, system enhancement, and bridge deterioration, air quality, etc. Projects are selected and prioritized by local officials through the statewide planning process. These projects are then included in the Statewide Transportation Improvement Program (STIP). All projects must be included in the STIP in order to receive funding. Funding approved by the Transportation Commission for the Construction Program is used to fund specific projects in the STIP.

Projects may be funded from a variety of sources including federal, State, local, reimbursable, and private funds or any combination thereof. Projects utilizing federal funds must meet specific federal requirements. Some of the funds are passed through to other governmental entities.

The total FY2006 Budget available for the Construction Program area is \$455 million. Of this amount \$168.0 million is utilized for debt service for projects previously advanced using TRANS funds, and \$87.4 million is utilized for internal design and construction management. This results in approximately \$199.6 million for infrastructure construction. *In addition certain Maintenance Program activities are also performed utilizing contractors.* 

# **CDOT REGIONAL PRIORITIES**

The Department's Regional Priorities Program includes such things as reconstruction, restoration and rehabilitation, major widening, minor widening, new construction, roadway improvements, transportation safety management, and operational improvements. These projects, as well as all others, are identified by departmental region, planning region, program and location, in the STIP document.

## FEDERAL/LOCAL REGIONAL PROGRAMS

#### METROPOLITAN PLANNING PROGRAM

The Planning Program includes the **Metropolitan Planning Program** for those areas with a population greater than 50,000. Administered by the Division of Transportation Development. See Planning & Research Section.

# **ENHANCEMENT**

The Enhancement Program is another element of the federal Surface Treatment Program (STP) under TEA-21. This program provides funding to the states according to a formula basis. Each state must set aside 10% of the funds for transportation enhancements. Enhancement funds may be used for only:

- -facilities for pedestrians and bicycles;
- -acquisition of scenic easements and scenic or historic sites;
- -scenic or historic highway programs;
- -landscaping and other scenic beautification;
- -historic preservation;
- -rehabilitation of operation of historic transportation buildings, structures, or facilities;
- -preservation of abandoned railway corridors;
- -control and removal of outdoor advertising;
- -archaeological planning and research;

**State of Colorado Total Population** 

-mitigation of water pollution due to highway runoff.

The Transportation Commission has determined that distribution of Enhancement funds is to be made to each transportation region. The regional transportation director works with each local entity to determine specific project selection and funding levels.

## **METRO**

Under TEA-21 once the Surface Transportation Program (STP) funds are allocated, by the Federal Highway Administration, to the individual states, these STP funds must be suballocated 50 percent to the States urbanized areas over 200,000 population and the remaining areas of the State based on population, 10% to Hazard Elimination Safety Construction, 10% to Transportation Enhancements and 30 % become flexible funds and can be used in any area of the State. The STP funds that are sub-allocated to urbanized areas over 200,000 population must be further distributed to the individual urbanized areas based on percentage of the total 200,000 and over population. In the case of Colorado the 2000 Census generated the following sub-allocation distributions of these STP funds:

4,301,261

$\underline{LOCATION > 200,000}$	<u>%</u>	
<ul> <li>Colorado Springs, CO</li> </ul>	466,122	$(17.\overline{539\%})$
<ul> <li>Denver-Aurora, CO</li> </ul>	1,984,887	(74.686%)
<ul> <li>Fort Collins, CO</li> </ul>	<u>206,633</u>	(7.775%)
<b>TOTAL AREAS &gt; 200,000</b>	2,657,642	(100.000%)
Areas with Population Greater than	(61.788%)	
Areas with Population Less than 200,000		(38.212%)

It is the 61.788% of the 50% STP mandate, which establishes the Metro Program, and is distributed to Colorado Springs, Denver-Aurora and Fort Collins at the sub-distribution rates of

17.539%, 74.686%, and 7.775% respectively. The remaining 38.212% of the 50% STP mandate is distributed on a project basis to areas with populations less than 200,000.

# CONGESTION MITIGATION AND AIR QUALITY PROGRAM

Under ISTEA, and expanded under TEA-21, a program was established called the Congestion Mitigation and Air Quality Improvement (CMAQ) Program. This program is designed to direct funds to transportation projects in Clean Air Act non-attainment areas that contribute toward achieving or maintaining air quality standards. Colorado has eight areas that are classified as non-attainment or maintenance; the Denver/Longmont, Colorado Springs, and Fort Collins/Greeley Metropolitan Planning Organization (MPO) areas, as well as Canon City, Pagosa Springs, Aspen, Telluride and Steamboat Springs. Projects under this program must contribute to meeting the attainment of national ambient area-air quality standards. If all attainment standards have been met, these funds may be used as if they were Surface Transportation Program (STP) funds.

The federal funds are apportioned to the states based on weighted non-attainment and maintenance area population. The Transportation Commission has decided to allocate the CMAQ funds to the three non-attainment MPO areas based on population and vehicle miles traveled after allocating \$1.0 million to be divided among the rural PM10 non-attainment areas. The remainder of these funds is allocated to the three MPO areas: Denver Regional Council of Governments (DRCOG 76.31%), Pikes Peak Area Council of Government (PPACG 18.13%), and North Front Range (NFR 5.56%).

## **AERONAUTICS**

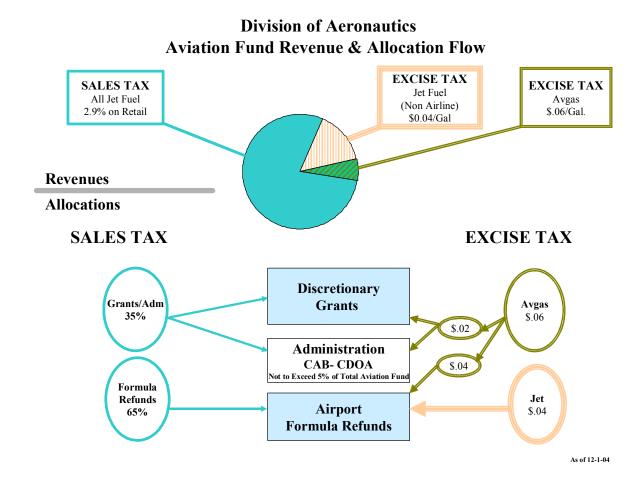
The Division of Aeronautics (DOA) was created by the General Assembly in 1988 and transferred from the Department of Military Affairs to CDOT in 1991, when the Department of Transportation was created. The objectives of the DOA are to set priorities for improving the State's air transportation system; to increase the level of financial assistance to maintain and enhance the airports throughout the state; to provide technical assistance to airport operators and aviation users who are unable to meet their needs with local resources; to enhance aviation safety through education; and to promote economic development through the development, operation and maintenance of the State aviation system. The DOA also works closely with the Federal Aviation Administration (FAA) in determining the timing and location of the investment of federal funds. (See revenue information on the next page.)

The DOA operates under the direction of the Colorado Aeronautical Board (CAB), a seven-member body appointed by the Governor and confirmed by the Senate. In addition to other duties, the CAB operates the Discretionary Grant Program, which provides grants to local communities for aviation purposes.

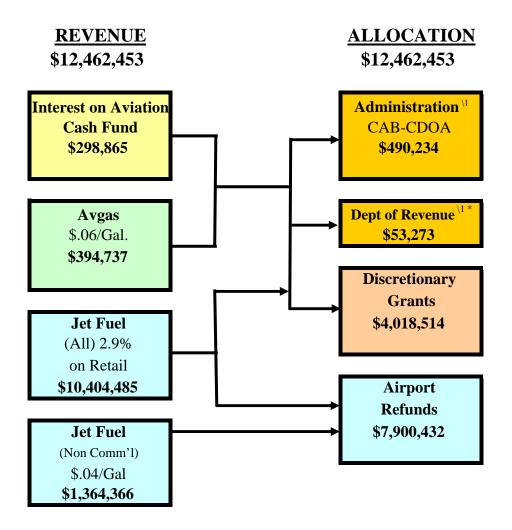
Financial support for the Division of Aeronautics and other aeronautical activities is provided through the State Aviation Fund, which generates revenue through an excise tax on general and non-commercial aviation fuels. Four cents per gallon is collected at the wholesale level on non-commercial jet fuel and six cents per gallon is assessed on aviation gasoline (AvGas) for light single-engine and twin-engine aircraft. All but two cents of this revenue is returned to the airport of origin for airport development. The remaining two cents is placed into the Aviation

Fund for the legislatively appropriated administrative expenses of the Division of Aeronautics (statutorily capped at five percent of the annual deposits into the Aviation Fund) and for the continuously appropriated grants made by the Colorado Aeronautical Board to entities operating public-accessible airports. The three-percent jet fuel sales tax collected on sales of jet fuels to all non-commercial users is similarly disbursed. In addition, the DOA receives some funding from the FAA to perform special aviation projects throughout the state.

It should be noted that in 2003, with the passage of S.B. 03-049 the Formula Refund and Discretionary Grants portions of the Aviation Fund are now continuously appropriated, subject to the authority of the CAB. This was done to provide for the more timely distribution of these funds to the airports that are due the refunds or that have qualified for the grants. The Division's Administration activities are still appropriated by the Legislature.



# Division of Aeronautics FY 2006 Aviation Fund Revenues & Allocations



\1 Legislatively appropriated

Chart does not include \$331,698 in federal grants requested for FY 2006.

<sup>\*</sup> Revenue allocation is a reduction to Discretionary Grants and is subject to legislative adjustment.

# TRANSIT/INTERMODAL

This program includes a number of small federal grant programs involving transit and rail planning. The transit programs also disburse federal funds to various communities around Colorado for the purchase of capital equipment such as buses and vans. These funds are identified for CDOT as pass through funds to other governmental units.

## **USC 49-5311 - Assistance for Non-urbanized Public Transportation**

This program is administered by CDOT and provides capital, operating and administrative assistance to organizations that provide public transportation in small urban and rural areas (under 50,000 population). Funds are awarded by CDOT to public and private non-profit transit operators on a competitive, discretionary basis.

# **USC 49-5310 - Assistance for Transportation of Elderly Persons and Persons with Disabilities**

This CDOT-administered program provides funds for capital equipment to private non-profit organizations that transport elderly persons and persons with disabilities. Funds can be used in either urbanized or non-urbanized areas. Like the USC 49-5311 program, these funds are awarded by CDOT on a competitive, discretionary basis.

# USC 49-5303 & 5313 - Transit Planning Assistance

The USC 49-5303 program is appropriated to the state based on a population formula. The State then distributes these funds to the local entities based on a formula that was developed in cooperation with MPOs and approved by the Federal Transit Administration (FTA). The USC 49-5313 funds can be used for a variety of non-operating purposes including transit planning, research, training, administration of the USC 49-5303 program, demonstration projects and special studies.

# **USC 49-5307 - Formula Funding for Urbanized Areas**

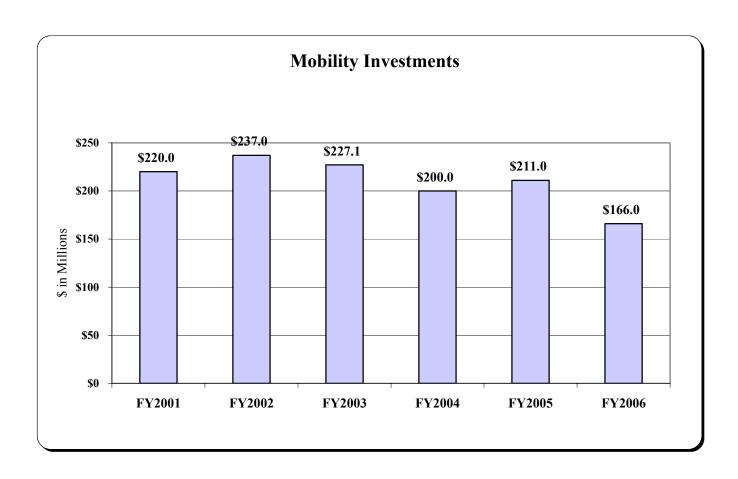
The FTA USC 49-5307 program offers funds to urbanized areas over 50,000 for capital and operating expenses. Unlike other federal transit programs, USC 49-5307 programs are administered directly by FTA instead of CDOT although states can choose to administer this program.

Large urbanized areas, those with a population over 200,000 (Denver and Colorado Springs), receive funds based on population, population density and transit operating data. Funding for small-urbanized areas is awarded to the state based on population. These funds are available on an 80% federal and 20% local ratio for capital and 50% federal and 50% local ratio for operating expenses.

# USC 49-5309 - Discretionary Capital Grant Program

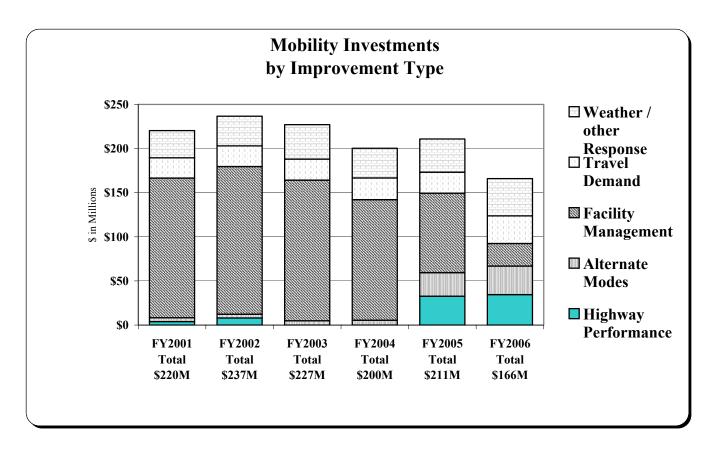
The FTA USC 49-5309 Capital Grant program is designed to offer assistance on a discretionary basis for capital equipment and facilities.

# **CDOT's Investment in Mobility**This graph compares the budgeted funds for FY2001 – FY2006



# **CDOT's Investment in Mobility**

This Graph Compares Allocation of Funds for FY 2001–FY 2006 Utilizing the Original Budget for Each Fiscal-Year



Note: The sequence of the stacked bar sections are in the same order as the legend of subprograms listed on the right of the Graph

# STRATEGIC PROJECTS INVESTMENT CATEGORY

Defined as: the 28 high-priority statewide projects that have been committed for accelerated funding

The Strategic Projects Investment Category was established to accelerate the funding and development of high priority transportation projects throughout the state. A base of 28 specific projects is maintained within this investment category. The elements that qualify a project for high priority status are based on the overall visibility, cost and return on investment of the project in addressing on-going needs of safety, mobility and reconstruction.

# STRATEGIC 28 PROJECTS

On August 15, 1996, the Transportation Commission adopted the Strategic Transportation Project Investment Program, otherwise known as the "7th Pot." This program identified 28 high priority projects of statewide significance. The primary objective of the Strategic 28 Priority Projects was to expedite the completion of these transportation projects, to establish a minimum annual level of funding for these projects and provide a process for monitoring and reporting project progress. To date, 16 of the 28 projects have been fully funded or are almost complete.

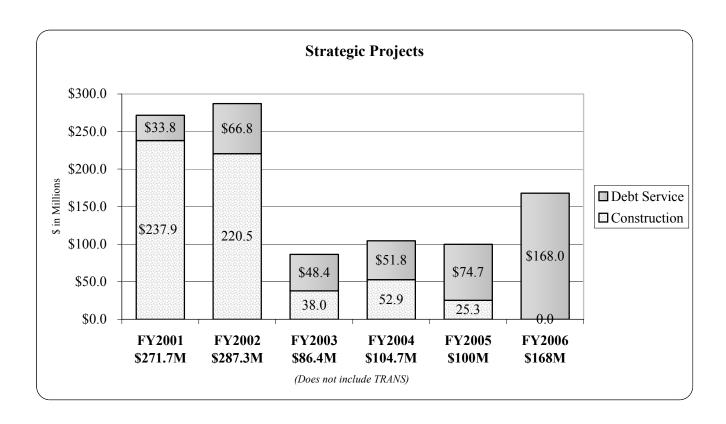
This program focuses transportation resources on a series of project corridors of State significance. These projects address high priority needs in mobility, reconstruction and/or safety; they have high statewide and/or regional priority; and, they are contained in the approved 20-Year Statewide Transportation Plan and the approved STIP.

Pursuant to H.B.99-1325, the proceeds from TRANS are dedicated toward this program. See page 21 for a more thorough description of this financing method.

(Map, status and list of projects in Appendix A)

# **CDOT's Strategic Projects Investment**

This Graph Compares Allocation of Funds for FY 2001–FY 2006 Utilizing the Original Budget for Each Fiscal-Year



The \$200 million decline in this Investment Category from FY2002 to FY 2003 was due to the loss of S.B. 97-001 funds. This continued loss of revenue now requires the entire FY 2006 Budget for Strategic Projects to be used for debt service payment. No funds are available for this construction program.

# PROGRAM DELIVERY INVESTMENT CATEGORY

Defined as: Support functions that enable the delivery of CDOT's programs and services

# ADMINISTRATION - Legislatively Appropriated

The administrative portion of CDOT as defined by State statute, includes salaries and expenses of the following offices and their staffs: Transportation Commission, executive director, chief engineer, regional directors, budget, internal audit, public information, equal employment (mandated by federal law), special activities, accounting, administrative services, building operations, management systems, personnel (which includes rules interpretation, training, risk management and benefits), procurement, insurance, legal, and central data processing (C.R.S. 43-1-113(2)(a)(III)). These organizations are funded from the State Highway Fund (SHF), which is the Department's allocated share of the Highway Users Tax Fund (HUTF), and is classified as Cash Funds Exempt (CFE), with no funds from the State General Fund.

The administrative function includes the oversight of over 1,600 projects, as well as a highway maintenance program of \$212.2 million. These offices and divisions handle the administration functions such as accounting, budgeting, auditing, personnel, information systems, public relations, facilities management, and printing, among others.

By statute (C.R.S. 43-1-113(6)(a)), the amount budgeted for administration, as defined in statute, in no case shall exceed five percent of the total budget allocation plan. The percentage budgeted for administration in recent years has been FY 1998 - 2.7%; FY 1999 - 2.6%; FY2000 - 2.2%; FY2001 - 2.1%; FY2002 - 2.1%, FY 2003 - 2.8% (change due to revenue decrease) FY 2004 - 2.8%, FY 2005 - 2.9%, and FY 2006 - 2.8%. These percentages include units funded with Internal Cash Funds (ICF), which are not included in the State Highway Fund (SHF) budget figures, (the ICF is funded through payments from operating budgets in other organizations). The Printing and Visual Communications Center is the only Administration ICF at \$1,371,431 and their 15.0 FTE are part of the 219.7 FTE total.

Miscellaneous administration expenses appropriated by the General Assembly include portions of: Workers' Compensation for the administrative units, part of Statewide Indirect Costs, and general insurance. The State Office of Risk Management in the Department of Personnel and General Support Services determines general insurance, which includes Property and Liability coverage and Workers' Compensation assessments, internally CDOT partners with the private entity side of TREX to provide loss control services. Statewide Indirect Costs are based upon the Statewide Indirect Cost Plan established by the State Controller's Office, with payments split between the Administration and Construction & Maintenance lines. These costs are largely outside of CDOT's control.

# PROJECT SUPPORT - Administration - Commission Appropriated

Project Support organizations are assigned for reporting purposes to Department Administration units. However, they incur project-related costs, which are eligible to be charged directly to specific projects or indirectly against all projects (based upon the activity or activities benefiting all projects). Project/program support units include the Office of Financial Management & Budget, Information Systems - Network Computing Systems, Equal Opportunity/Business Programs Office, Audit Division, and Legal Services with charges

related to projects. In those cases where the specific project has federal funding, part of these direct or indirect project costs are federally funded.

## **ENGINEERING**

In FY 1998 the Department implemented "Re-engineering." This entailed the blending of previously separate organizations and tasks. The Department's Regional engineering and project related staff in the traditional "Preconstruction" and "Construction" organizations were combined into "Program Engineer Units" with "Project Teams," responsible for projects from inception to completion. This "complete" project management assures more inclusive and timely involvement by all required staff and task groups.

This Program involves a multitude of activities in preparation for, and construction of, highway projects. Activities include everything from preparing project plans (design work), obtaining rights-of-way, clearing utilities, and obtaining environmental clearances. The project teams now also include the construction phase, including those activities necessary to the actual construction of the highway project and are deemed necessary for federal and State regulatory control.

Some typical construction phase activities include: testing and monitoring the statewide usage of various materials used by construction forces; conducting chemical and physical properties tests and analyses on various materials used in construction; publishing and maintaining policies and procedures necessary to the administration of highway construction contracts; conducting training on policies and procedures; assuring that contracts are awarded to the lowest responsible bidder; supervising construction activities; inspecting construction-related mechanical aspects, etc. In addition the ITS operating unit is now reported as part of the Engineering Program, with the Traffic Operations Center (TOC) reported as a special allocation. This group is developing technological methods for addressing traffic congestion and safety problems throughout the State.

# PROGRAM SUPPORT - PLANNING & RESEARCH

This program is responsible for numerous activities involving evaluation of the current condition of the State's highway system and planning and researching future transportation needs in Colorado. Some of these activities include providing an inventory of the system; providing current maps; maintaining records on all public roads; maintaining records on fuel consumption; analyzing traffic data; forecasting traffic demands; and analyzing roadway capacity, truck size and weight data, and hourly traffic distribution. This program includes performance of in-house research related to highway and transportation activities.

The Planning Program includes the **Metropolitan Planning Program** for those areas with a population greater than 50,000 and the Statewide Planning Program. These two programs are primarily responsible for developing and implementing a statewide planning process, which will lead to a long-range multi-modal transportation plan and the transportation improvement programs (TIPs) for each urbanized area as well as a statewide transportation improvement program.

The Research Branch is responsible for investigating transportation problems affecting Colorado and researching possible solutions and then tracking these solutions to determine how effective they were in solving the problem. If a solution is found to be effective, it is shared with cities and counties. In addition, this program is responsible for collecting critical highway data (traffic volumes, vehicle classification, and vehicle size and weight), which is used in the design of highway projects as well as providing project level assistance to the CDOT regions.

The Intermodal area is primarily responsible for expanding the role of alternative modes of transportation. This involves several different areas: awarding Federal Transit Administration grants; assisting transit agencies in promoting their service; serving as a staff resource to the transportation planning regions as it relates to alternative modes; assisting communities in developing local bicycle off and on street facilities; developing mass transit and passenger rail demonstration projects; working with communities on developing tele-commuting facilities; and developing public-private partnerships. In addition, this area is managing several major corridor/major investment studies along the Front Range and SH 82. The last major emphasis area this branch deals with is in the pavement management system, which involves collecting annual pavement conditions and forecasting of resource needs.

The following three items are mandated costs beyond the control of the Transportation Commission, but utilize funds that would otherwise be available for constructions.

## HAZARDOUS MATERIALS REMEDIATION

The Hazardous Materials Clean-up Program is an ongoing operation to test and remediate (remove and clean up) underground storage tanks and Materials Lab (MTL) contamination on CDOT property throughout the State. This is being done to comply with federal and State environmental laws. The underground fuel tank remediation is now mostly reimbursable from an external health agency fund. This program is necessary to comply with State and federal law. For FY 2006, the total program funding is \$3,340,000.

# • WORKERS' COMPENSATION INSURANCE

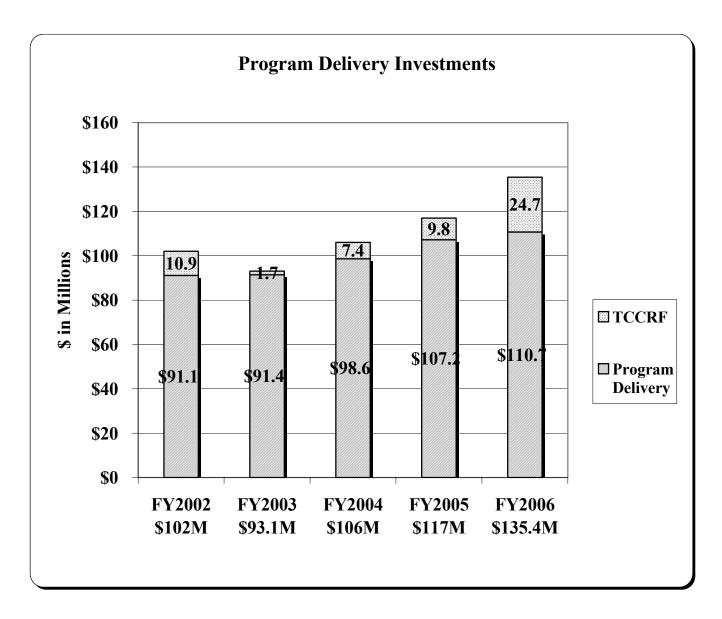
The State Office of Risk Management in the Department of Personnel and General Support Services, annually assesses each department an amount for Workers' Compensation. The agency's loss record is pooled with all other State agencies to share the State's overall experience, spread the cost, and protect all agencies against catastrophic cost increases. FY 2006, CDOT is being assessed \$5,727,059.

# • DIVISION OF PARKS – COLORADO DEPT. OF NATURAL RESOURCES

By statute (CRS 33-10-111(4)), the Division of Parks and Outdoor Recreation (DPOR), in the Colorado Department of Natural Resources, is allowed to request funding from the State's portion of the HUTF for road maintenance and construction in State Parks and Recreation Areas. DPOR has requested \$300,000 for this purpose in FY 2006, which will reduce CDOT's receipts from the HUTF.

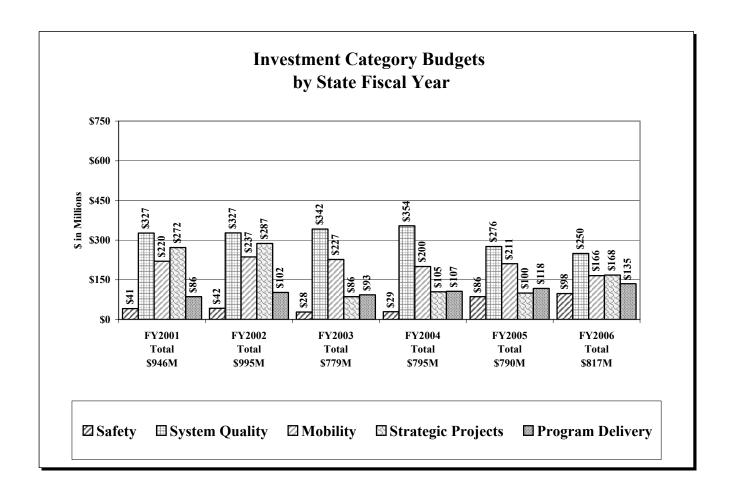
# **Program Delivery**

This graph compares the budgeted funds for FY2001 - FY2006



It is important to note that a portion of Program Delivery is actually the Transportation Commission Contingency Reserve Fund (TCCRF). The Commission is now establishing a higher initial contingency reserve, which is subsequently distributed to the other Investment Categories for projects, maintenance or other unforeseen purposes that arise during the fiscal year. In the event there are few emergencies, the fund is available for funding projects.

# CDOT BUDGET HISTORY BY INVESTMENT CATEGORIES



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# STATEWIDE TOLLING ENTERPRISE

H.B. 02-1310 and S.B. 02-179 (identical bills) were signed by Governor Bill Owens on May 30, 2002, and became law on August 7, 2002. The bills authorized the creation of a Statewide Tolling Enterprise by the Transportation Commission that operates as a government-owned business within CDOT and as a division of CDOT. The purpose for the creation of the enterprise is to provide for the financing, construction, operation, regulation and maintenance of a statewide system of toll highways.

Under the provisions of the legislation, the Transportation Commission serves as the board of the authority, known as the "Tolling Enterprise Board." The Transportation Commission, by resolution, created the Statewide Tolling Enterprise on August 15, 2002. The authority is granted enterprise status as long as the enterprise retains the authority to issue revenue bonds and receives less than 10% of its total annual revenue from grants from the State and local governments combined.

The legislation created the Statewide Tolling Enterprise Special Revenue Fund for the deposit of tolls and other revenue. The revenue fund is continuously appropriated to the tolling enterprise and may only be used to pay for the administration, planning, financing, construction, operation, maintenance, or repair of toll highways or to pay for its operating costs and expenses. The Board has exclusive authority to budget and approve expenditures from the fund. The Transportation Commission may transfer funds from the State Highway Fund to the special revenue fund to defray the costs of the enterprise prior to the receipt of toll revenues. As determined by the Transportation Commission, any transferred funds shall be repaid to the State Highway Fund with interest.

The Board is required to adjust toll rates, upon payment of certain costs and debt, so that the amount of toll revenues to be generated is as close as possible to the amount required for the ongoing operation, maintenance, renewal, and replacement of the toll highway. The legislation specifies the powers and duties of the Board of the enterprise, including but not limited to, the power to determine and charge tolls, issue revenue bonds payable solely from the special fund, enter into public-private initiatives, and plan, construct, operate, and maintain a system of toll highways in the state.

At its January 2003 meeting, the Transportation Commission authorized a transfer of \$1.0 million of State Highway Funds to establish the Tolling Enterprise Operating Fund to be available for the start-up costs of the enterprise. An interagency agreement was signed between CDOT and the CTE outlining the terms of the agreement which are repayment of the transferred loan within three years after disbursement or within ninety days after the Enterprise completes financing of its first project, whichever is later.

A traffic and revenue study nearly complete by the Tolling Enterprise identifies potential toll projects throughout the State. In any corridor where tolling is the preferred alternative, as identified in an Environmental Decision Document, it will then be further tested for economic viability in an investment grade traffic and revenue study that would be taken to the financial community and bond rating agencies. Only after passing this final test would the Tolling Enterprise Board act to implement a tolling project.

The Tolling Enterprise will be interoperable with the existing Public Highway Authorities, E-470 and Northwest Parkway. Negotiations are underway with these entities. The Tolling Enterprise has requested a transfer of \$2.0 million of State Highway Funds by the Transportation Commission to procure compatible toll technology and facilitate the next steps toward implementation of its first project.

# COLORADO DEPARTMENT OF TRANSPORTATION FY 2005-2006 BUDGET

# **APPENDIX A**

# **STRATEGIC 28 PROJECTS**

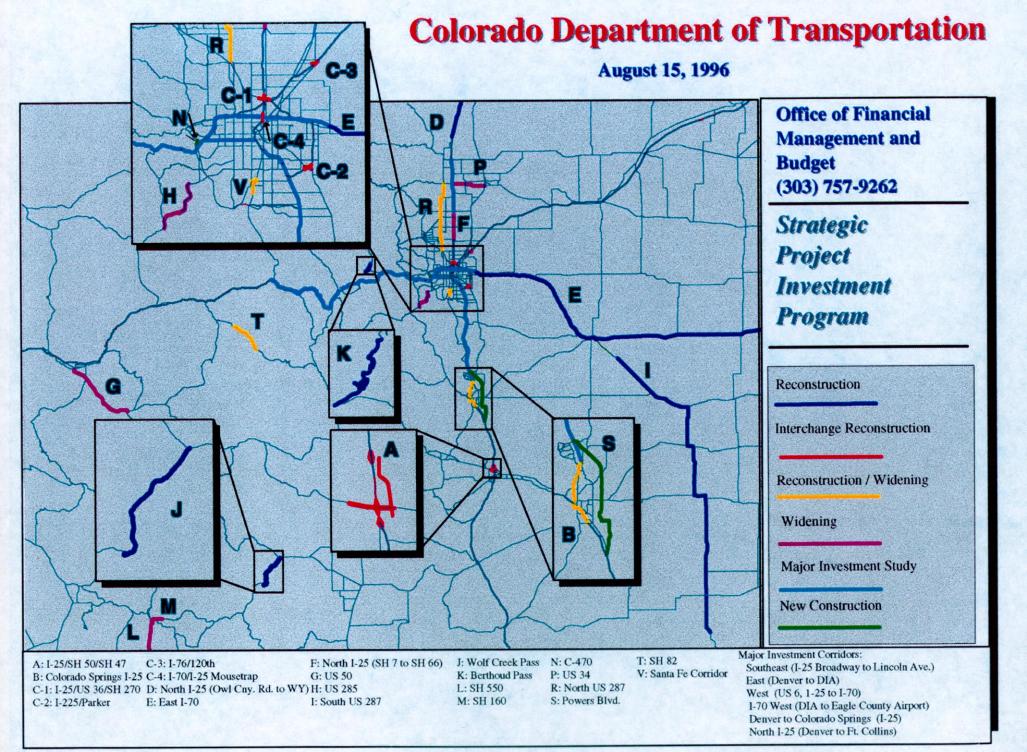
**MAP** 

**STATUS REPORT** 

&

**PROJECT INFORMATION** 

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# **Status of 28 Strategic Corridors**

# as of November 23, 2004

\$ in millions

Property   Property			TC Commitment		Total Budgeted	Uninflated Remaining Cost to
SP4002   L25, S. Academy to Briangate   342,291   186,894   186,894   186,894   186,894   186,894   186,894   186,994   186,		PROJECT LOCATION	(Blue Book)	Project Total	To Date	Complete
SP4003   L2SUS 36SH 270   16,448   16,448   18,435   28,013   28,010   1-225 Parker Rd.   85,389   86,169   86,169   0   0   0   0   0   0   0   0   0	SP4001	I-25/US 50/SH 47 Interchange	69,669	70,737	70,737	0
SP4004   L-225 Parker Rd.	SP4002	I-25, S. Academy to Briargate	342,291	186,894	186,894	0
SP4005   1-76   120th Ave.	SP4003	I-25/US 36/SH 270	146,448	146,448	118,435	28,013
SP4006   1-701-25 Mousetrap Reconstruction   97.409   101,272   101,272   0	SP4004	I-225/Parker Rd.	85,389	86,169	86,169	0
SP4007   1.25, Owl Canyon Rd. to Wyoming	SP4005	I-76/120th Ave.	45,509	40,814	40,814	0
SP4008   East L-70, Tower Rd, to Kansas   121,652   123,672   123,672   0	SP4006	I-70/I-25 Mousetrap Reconstruction	97,469	101,272	101,272	0
SP4010	SP4007	I-25, Owl Canyon Rd. to Wyoming	NA	28,846	28,846	0
SP4010   US 50, Grand Junction to Delta   72,199   67,117   66,758   359	SP4008	East I-70, Tower Rd. to Kansas	121,652	123,672	123,672	0
SP4011   US 285, Goddard Ranch Ct. to Foxton Rd.   63,137   60,165   60,165   0.	SP4009	North I-25, SH 7 to SH 66	81,490	77,883	77,883	0
SP4012   South US 287, Campo to Hugo - Region 1   67,733   67,733   25,819   41,914	SP4010	US 50, Grand Junction to Delta	72,199	67,117	66,758	359
SP4012   South US 287, Campo to Hugo - Region 2   116,684   116,499   76,943   39,555	SP4011	US 285, Goddard Ranch Ct. to Foxton Rd.	63,137	60,165	60,165	0
SP4013 US 160, Wolf Creek Pass   68,359   67,276   59,563   7,713	SP4012	South US 287, Campo to Hugo - Region 1	67,733	67,733	25,819	41,914
SP4014 US 40, N. City Limit of Winter Park to South of Berthoud Pass   74,838   66,328   66,328   0	SP4012	South US 287, Campo to Hugo - Region 2	116,684	116,499	76,943	39,556
SP4015   US 550, New Mexico State Line to Durango	SP4013	US 160, Wolf Creek Pass	68,359	67,276	59,563	7,713
SP4015         US 550, New Mexico State Line to Durango         48,819         48,819         25,349         23,470           SP4016         US 160, Jet. SH 3 to Florida River         60,069         60,068         36,959         23,109           SP4017         C-470 Extension         NA         18,498         18,498         0           SP4018         US 34, L25 to US 85         NA         15,725         15,725         0           SP4019         US 287, Broomfield to Loveland         92,378         86,305         86,305         0           SP4020         Powers Blvd. in Colorado Springs         220,000         217,906         71,447         146,459           SP4021         SH 82, Basalt to Aspen         185,998         208,356         208,356         0           SP4022         Santa Fe Corridor         NA         7,755         7,755         0           SP4023         Southeast MIS: L25, Broadway to Lincoln Ave.         593,644         648,861         648,860         1           SP4024         48         SP4025 East & West Corridor MIS's         148,000         148,000         6,113         141,887           SP4026         I-70 MIS: DIA to Eagle County Airport (Region 1)         1,100,000         78,059         59,929         18,130	SP4014	US 40, N. City Limit of Winter Park to South of Berthoud Pass	74,838	66,328	66,328	0
SP4016 US 160, Jet. SH 3 to Florida River   60,069   60,068   36,959   23,109	SP4015	US 550, New Mexico State Line to Durango	48,819	48,819	25,349	23,470
SP4017         C-470 Extension         NA         18,498         18,498         0           SP4018         US 34, I-25 to US 85         NA         15,725         15,725         0           SP4019         US 287, Broomfield to Loveland         92,378         86,305         86,305         0           SP4020         Powers Blvd. in Colorado Springs         220,000         217,906         71,447         146,459           SP4021         SH 82, Basalt to Aspen         185,998         208,356         208,356         0           SP4022         Santa Fe Corridor         NA         7,755         7,755         0           SP4023         Southeast MIS: I-25, Broadway to Lincoln Ave.         593,644         648,861         648,860         1           SP4024         Est & West Corridor MIS's         148,000         148,000         6,113         141,887           SP4025         East & West Corridor MIS: DIA to Eagle County Airport (Region 1)         1,100,000         78,059         59,929         18,130           SP4026         I-70 MIS: DIA to Eagle County Airport (Region 3)         (inc. in SP4026-1)         48,895         17,115         31,780           SP4027         I-25 South Corridor MIS: Denver to Colorado Springs (Region 1)         153,000         154,097 <th< td=""><td>SP4016</td><td>US 160, Jct. SH 3 to Florida River</td><td>60,069</td><td>60,068</td><td>36,959</td><td>23.109</td></th<>	SP4016	US 160, Jct. SH 3 to Florida River	60,069	60,068	36,959	23.109
SP4018 US 34, I-25 to US 85			,			
SP4019         US 287, Broomfield to Loveland         92,378         86,305         86,305         0           SP4020         Powers Blvd. in Colorado Springs         220,000         217,906         71,447         146,459           SP4021         SH 82, Basalt to Aspen         185,998         208,356         208,356         0           SP4022         Santa Fe Corridor         NA         7,755         7,755         0           SP4023         Southeast MIS: I-25, Broadway to Lincoln Ave.         593,644         648,861         648,860         1           SP4024         Exp4025         East & West Corridor MIS's         148,000         148,000         6,113         141,887           SP4026         I-70 MIS: DIA to Eagle County Airport (Region 1)         1,100,000         78,059         59,929         18,130           SP4026         I-70 MIS: DIA to Eagle County Airport (Region 3)         (inc. in SP4026-1)         48,895         17,115         31,780           SP4026         I-70 MIS: DIA to Eagle County Airport (TBD by PEIS)         (inc. in SP4026-1)         975,237         0         975,237           SP4027         I-25 South Corridor MIS: Denver to Colorado Springs (Region 1)         153,000         154,097         103,513         50,584           SP4028         I-25 North						
SP4020         Powers Blvd. in Colorado Springs         220,000         217,906         71,447         146,459           SP4021         SH 82, Basalt to Aspen         185,998         208,356         208,356         0           SP4022         Santa Fe Corridor         NA         7,755         7,755         0           SP4023         Southeast MIS: I-25, Broadway to Lincoln Ave.         593,644         648,861         648,860         1           SP4024         & SP4025 East & West Corridor MIS's         148,000         148,000         6,113         141,887           SP4026         1-70 MIS: DIA to Eagle County Airport (Region 1)         1,100,000         78,059         59,929         18,130           SP4026         1-70 MIS: DIA to Eagle County Airport (Region 3)         (inc. in SP4026-1)         48,895         17,115         31,780           SP4026         1-70 MIS: DIA to Eagle County Airport (TBD by PEIS)         (inc. in SP4026-1)         975,237         0         975,237           SP4027         1-25 South Corridor MIS: Denver to Colorado Springs (Region 1)         153,000         154,097         103,513         50,584           SP4028         1-25 North Corridor MIS: Denver to Fort Collins         302,685         308,988         79,182         229,806           SP5497         En		, , , , , , , , , , , , , , , , , , ,				
SP4021         SH 82, Basalt to Aspen         185,998         208,356         208,356         0           SP4022         Santa Fe Corridor         NA         7,755         7,755         0           SP4023         Southeast MIS: I-25, Broadway to Lincoln Ave.         593,644         648,861         648,860         1           SP4024         & SP4025         East & West Corridor MIS's         148,000         148,000         6,113         141,887           SP4026         I-70 MIS: DIA to Eagle County Airport (Region 1)         1,100,000         78,059         59,929         18,130           SP4026         I-70 MIS: DIA to Eagle County Airport (Region 3)         (inc. in SP4026-1)         48,895         17,115         31,780           SP4026         I-70 MIS: DIA to Eagle County Airport (TBD by PEIS)         (inc. in SP4026-1)         975,237         0         975,237           SP4027         I-25 South Corridor MIS: Denver to Colorado Springs (Region 1)         153,000         154,097         103,513         50,584           SP4028         I-25 South Corridor MIS: Denver to Fort Collins         302,685         308,988         79,182         229,806           SP5497         Environmental Streamlining Fund         1,683         1,683         0           Project costs (in constant 2000						
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SP4023         Southeast MIS: I-25, Broadway to Lincoln Ave.         593,644         648,861         648,860         1           SP4024         & SP4025         East & West Corridor MIS's         148,000         148,000         6,113         141,887           SP4026         I-70 MIS: DIA to Eagle County Airport (Region 1)         1,100,000         78,059         59,929         18,130           SP4026         I-70 MIS: DIA to Eagle County Airport (Region 3)         (inc. in SP4026-1)         48,895         17,115         31,780           SP4026         I-70 MIS: DIA to Eagle County Airport (TBD by PEIS)         (inc. in SP4026-1)         975,237         0         975,237           SP4027         I-25 South Corridor MIS: Denver to Colorado Springs (Region 1)         153,000         154,097         103,513         50,584           SP4028         I-25 North Corridor MIS: Denver to Fort Collins         302,685         308,988         79,182         229,806           SP5497         Environmental Streamlining Fund         1,683         1,683         0           Project Cost (Allocations):         * 4,703,529         * 2,707,104         * 1,996,425           Project Costs (in constant 2000 dollars) Note #1         * 4,569,460         * 4,703,529         * 2,707,104         * 1,996,425           Inflated portion of		•	,	<u> </u>	,	
SP4024 & SP4025 East & West Corridor MIS's         148,000         6,113         141,887           SP4026 I-70 MIS: DIA to Eagle County Airport (Region 1)         1,100,000         78,059         59,929         18,130           SP4026 I-70 MIS: DIA to Eagle County Airport (Region 3)         (inc. in SP4026-1)         48,895         17,115         31,780           SP4026 I-70 MIS: DIA to Eagle County Airport (TBD by PEIS)         (inc. in SP4026-1)         975,237         0         975,237           SP4027 I-25 South Corridor MIS: Denver to Colorado Springs (Region 1)         153,000         154,097         103,513         50,584           SP4027 I-25 South Corridor MIS: Denver to Colorado Springs (Region 2)         212,000         368,425         130,018         238,407           SP4028 I-25 North Corridor MIS: Denver to Fort Collins         302,685         308,988         79,182         229,806           SP5497 Environmental Streamlining Fund         1,683         1,683         0           Project Cost (Allocations):						
SP4026       I-70 MIS: DIA to Eagle County Airport (Region 1)       1,100,000       78,059       59,929       18,130         SP4026       I-70 MIS: DIA to Eagle County Airport (Region 3)       (inc. in SP4026-1)       48,895       17,115       31,780         SP4026       I-70 MIS: DIA to Eagle County Airport (TBD by PEIS)       (inc. in SP4026-1)       975,237       0       975,237         SP4027       I-25 South Corridor MIS: Denver to Colorado Springs (Region 1)       153,000       154,097       103,513       50,584         SP4027       I-25 South Corridor MIS: Denver to Colorado Springs (Region 2)       212,000       368,425       130,018       238,407         SP4028       I-25 North Corridor MIS: Denver to Fort Collins       302,685       308,988       79,182       229,806         SP5497       Environmental Streamlining Fund       1,683       1,683       0         Project Cost (Allocations):         Project costs (in constant 2000 dollars) Note #1       \$ 4,569,460       \$ 4,703,529       \$ 2,707,104       \$ 1,996,425         Inflated portion of project costs       10,074,044       373,851       9,700,192         Total project costs, in Year of Expenditure (YOE) dollars       \$ 14,777,573       \$ 3,080,956       \$ 11,696,617	SP4024	•	,			
SP4026         I-70 MIS: DIA to Eagle County Airport (Region 3)         (imc. in SP4026-1)         48,895         17,115         31,780           SP4026         I-70 MIS: DIA to Eagle County Airport (TBD by PEIS)         (inc. in SP4026-1)         975,237         0         975,237           SP4027         I-25 South Corridor MIS: Denver to Colorado Springs (Region 1)         153,000         154,097         103,513         50,584           SP4027         I-25 South Corridor MIS: Denver to Colorado Springs (Region 2)         212,000         368,425         130,018         238,407           SP4028         I-25 North Corridor MIS: Denver to Fort Collins         302,685         308,988         79,182         229,806           SP5497         Environmental Streamlining Fund         1,683         1,683         0           Project Costs (Allocations):           Project costs (in constant 2000 dollars) Note #1         \$4,569,460         \$4,703,529         \$2,707,104         \$1,996,425           In/Itated portion of project costs         \$10,074,044         373,851         9,700,192           Total project costs, in Year of Expenditure (YOE) dollars         \$14,777,573         \$3,080,956         \$11,696,617	& SP4023	East & West Corridor MIS 8	148,000	148,000	0,113	141,887
SP4026   I-70 MIS: DIA to Eagle County Airport (TBD by PEIS)   (inc. in SP4026-1)   975,237   0   975,237    -25 South Corridor MIS: Denver to Colorado Springs (Region 1)   153,000   154,097   103,513   50,584    -25 South Corridor MIS: Denver to Colorado Springs (Region 2)   212,000   368,425   130,018   238,407    -25 South Corridor MIS: Denver to Fort Collins   302,685   308,988   79,182   229,806    -25 North Corridor MIS: Denver to Fort Collins   302,685   308,988   79,182   229,806    -25 South Corridor MIS: Denver to Fort Collins   302,685   308,988   79,182   229,806    -25 North Corridor MIS: Denver to Fort Collins   302,685   308,988   79,182   229,806    -25 South Corridor MIS: Denver to Fort Collins   302,685   308,988   79,182   229,806    -25 North Corridor MIS: Denver to Fort Collins   302,685   308,988   79,182   229,806    -26 SP5497   Environmental Streamlining Fund   1,683   1,683   0    -26 SP5497   4,703,529   2,707,104   1,996,425   11,996,425   11,074,044   373,851   9,700,192    -26 SP5497   4,703,529   2,707,104   3,73,851   9,700,192   1,074,044   373,851   9,700,192   1,074,044   373,851   3,080,956   11,696,617   1,696,617	SP4026	I-70 MIS: DIA to Eagle County Airport (Region 1)	1,100,000	78,059	59,929	18,130
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Project Cost (Allocations):   Project Costs (in constant 2000 dollars) Note #1					1,683	
Total project costs, in Year of Expenditure (YOE) dollars \$ 14,777,573 \$ 3,080,956 \$ 11,696,617		Project costs (in constant 2000 dollars) Note #1	\$ 4,569,460			

# STRATEGIC 28 CORRIDORS

# "7<sup>th</sup> POT" PROJECTS

# Appendix A

# **Projects Already/Nearly Complete, or Fully Funded:**

- I-25/US 50/SH 47 Interchange
- I-25, Owl Canyon Rd. to Wyoming
- C-470 Extension
- US 34, I-25 to US 85
- Santa Fe Corridor Light Rail
- Interstate 76/120th Avenue
- I-70/I-25 Mousetrap Reconstruction
- US 285 Goddard Ranch Court to Foxton Road
- State Highway 82 Basalt to Aspen
- I-225 and Parker Road (State Highway 83)
- I-70 East Tower Road to Kansas
- I-25 North-State Highway 7 to State Highway 66
- TREX Transportation Expansion Project I-25 and I-225
- US 287 Broomfield to Loveland
- US 50 Grand Junction to Delta
- US 40 Berthoud Pass and in Winter Park

# **REMAINING PROJECT DESCRIPTIONS: \***

# I-25 - Through Colorado Springs - (48% funded)

This project consists of safety and capacity improvements from South Academy Boulevard to Briargate Parkway. Numerous interchanges require reconstruction and are important safety projects. Reconstruction of these congested interchanges will significantly help traffic operations on I-25.

# I-25/US 36/-270 - (80% funded)

This project is located in Denver between Lowell Boulevard and I-270 and I-76 interchanges. It consists of capacity improvements, highway and interchange reconstruction, extends westbound I-270 from I-76 to US 36 and extends eastbound I-270 from I-25 to I-76. It also includes the construction of a Direct Connect HOV lane to US 36 from northbound I-25 and opens the Bus/HOV lanes in US 36 west of Federal to Lowell.

# **US 287 – Campo to Hugo** - (46% funded)

This project consists of resurfacing 82.7 miles of US 287 with concrete. This stretch of highway has over 65% truck traffic, and asphalt overlays have not held up to traffic conditions, so concrete is being used.

# US 160 – Wolf Creek Pass - (75% funded)

This project consists of reconstruction and safety improvements of Wolf Creek Pass on US 160 located in Mineral County. A high mountain pass, the project construction including tunnel work will allow full, safe and effective use of the roadway.

# US 550 – New Mexico State Line to Durango - (38% funded)

This project consists of reconstruction and widening of US 550 from the New Mexico State line to US 160 at Durango. Significant realignment, reconstruction, safety and capacity improvements will be made to this 16-mile stretch of roadway.

# US 160 – State Highway 3 to the Florida River - (38% funded)

This project consists of reconstruction and widening of US 160 at the junction of State Highway 3 in La Plata County near Durango to the Florida River. Portions of the highway will be widened from 2 to 4 lanes; because of existing residences and businesses frontage systems will also be needed for the project. The project will address congestion and the high accident rate, twice the state average on the roadway.

# Powers Boulevard – Colorado Springs - (24% funded)

This project consists of a new roadway and interchange construction and widening. Located in Colorado Springs and El Paso County a new roadway extension will be constructed between Woodman Road and State Highway 83. Interchanges will be constructed at Woodman Road and Platte Avenue and a new roadway extension and widening to connect Fountain to I-25. El Paso County is projected to become the largest county in Colorado, and these improvements to Powers Boulevard are important for congestion and safety. Additional funding in the future will be needed to complete Powers Boulevard as a limited-access freeway.

<sup>\* %</sup> Funded as of November 2004

# I-70 West – Denver to Eagle County – (2% funded)

The I-70 to Eagle County corridor is 150 miles long, passes through several of the major Colorado ski areas and is the major access way for others. It is highly congested especially during peak periods. A Programmatic Environmental Impact Statement is currently underway which will be used to determine what improvements will be made to the I-70 West corridor and which projects will have the highest priority.

# I-25 Denver to Colorado Springs – (26% funded)

This project consists of capacity improvements, interchange reconstruction and overpass construction on I-25 South in Douglas County from the town of Castle Rock to Lincoln Avenue in the Southeast Business District. An additional highway lane will be added in each direction from Lincoln Avenue to Founder/Meadows Parkway a distance of approximately 8.7 miles. Congestion relief and safety will result from this project. This corridor also consists of various safety and capacity improvements in the 25.5-mile section between State Highway 105 at Monument to South Academy Boulevard in Colorado Springs.

# **I-25 North Denver to Fort Collins** – (11% funded)

This project is for capacity improvements in this 55-mile corridor between the cities of Denver and Fort Collins. 14 miles will be widened from 4 to 6 lanes between State Highway 7 and State Highway 66. Completion dates of the segments vary. Specific improvements will be outlined at the conclusion of the Major Investment Study of this corridor.

# East & West Corridor MIS's – (1% funded)

These Major Investment Study projects will provide light rail alternatives for commuters and travelers in the Denver area. One segment will connect Downtown Denver to DIA, and the other will connect Downtown Denver to the Cold Spring Park-and-Ride in Jefferson County. These projects will relieve congestion and reduce pollution in the Denver area. Neither project is expected to begin before FY 2020.

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# COLORADO DEPARTMENT OF TRANSPORTATION FY 2005-2006 BUDGET

# **APPENDIX B**

# STRATEGIC PLAN

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# STRATEGIC PLAN

# **FOR**

# FISCAL YEARS 2003-07

# **INVESTMENT CATEGORIES**

# I. SAFETY

# II. SYSTEM QUALITY

# III. MOBILITY

# IV. STRATEGIC PROJECTS

# V. PROGRAM DELIVERY

# **CDOT - Transportation Investment Strategy**

# **Investment and Program Area Summaries**

#### **Safety**

Services, programs, and projects that reduce fatalities, injuries, and property damage for all users of the system

#### Goals:

 Reduce transportation-related crashes, injuries and fatalities and the associated loss to society

#### **Programs:**

- A. Driver Behavior (alcohol, young drivers, seatbelts, etc.)
- B. Roadway Safety (hazardous locations, runoff-the-road, sign replacement, etc.)

## **System Quality**

Activities, programs & projects that maintain the function and aesthetics of the existing transportation infrastructure

#### Goals:

- Preserve the transportation system
- Keep the system available and safe for travel

#### **Programs:**

- A. Road Surface (including travel way, pavement structure includes reconstruction)
- B. Structures Bridge Program
- C. Roadside Facilities (roadside, ditches, vegetation, fencing, tunnels, etc.)
- D. Roadside Appearance (litter, mowing)
- E. Rest Areas (maintenance of existing)
- F. Traffic Operations (structures w/in right-of-way, includes existing ITS/TOC)
- G. Eisenhower/Hanging Lakes Tunnels
- H. Maintenance of Other Modes (Transit, Aviation, Rail)

#### Mobility

Programs, services and projects that provide for the movement of people, goods, and information

#### Goals:

- Improve mobility
- Increase travel reliability

#### **Programs:**

- A. Highway Performance
- B. Alternative Mode Performance
- C. Facility/Management (ramp metering, TOCs, etc.)
- D. Travel Demand Management (rideshare, HOV, telecommuting, etc.)
- E. Road Closures Program (snow and ice, rockfall, etc.)
- F. Corridor Preservation

## **Strategic Projects**

The 28 high priority statewide projects that have been committed for accelerated funding

#### Goals:

- Accelerate the completion of the projects
- Increase investment in the program

#### **Program Measures:**

- Funds spent or encumbered
- Percent Ad dates met on-time, 30 days, etc.

#### **Program Delivery**

Support functions that enable the delivery of CDOT's programs and services

#### Goals:

- Deliver high quality products and services in a timely fashion
- Attract and retain an effective and qualified workforce
- Foster an environment that respects workforce diversity

#### Programs:

- A. Strategic Support (long term focus - Policy, Planning, Public Relations, etc.)
- B. General Support (short term focus - IS, Financing, HR, etc.)
- C. Program Support (Project Development, Design and Construction, etc.)
- D. Property/Equipment

# I. SAFETY

Programs, services and projects that reduce fatalities, injuries and property damage for all users of the system

The investment category includes two areas of focus. The first focus area includes those programs used to influence driver behavior. The second area focuses on highway improvements to improve the safety of the motoring public.

# **INVESTMENT LEVEL GOAL:**

Reduce transportation-related crashes, injuries and fatalities and the associated loss to society

# **INVESTMENT LEVEL DEPARTMENT-WIDE OBJECTIVES:**

Reduce the rate and severity of transportation-related incidents

- Includes all accidents, injuries and deaths

Promote the education and awareness of safe driving behavior

- Focuses on seatbelt usage, drinking and driving awareness, etc.

Emphasize applicable safety features consistent with the population growth

- Ensures that CDOT focuses on areas of the transportation system for safety features such as high areas of accidents

# **INVESTMENT LEVEL PERFORMANCE MEASURES:**

Statewide Safety Incident Rate including fatal and injury rate

Alcohol Related Incidents Compared to Statewide Incident Rate

Incidents Involving Seatbelt Usage Compared to Statewide Incident Rate

Return on investment for Designated Improvement Sites

Bi-annual Customer Perception Rating of System Safety and Driver Behavior Programs

Corridor Safety Assessment

# **SAFETY - PROGRAM SUMMARIES:**

# **Driver Behavior Program**

In combination with traditional roadway safety improvements, this program promotes safety through education and enforcement programs such as media campaigns ("TWIST", "Heat is On", "CHILL"), and education programs through media campaigns and school districts for groups, which are disproportionately represented in crashes.

# **Roadway Safety Program**

This program identifies roadway improvements to improve decision-making and reaction times of the motoring public. Roadway improvements include such projects as replacement of signs and roadway markings, sight-distance improvements, acceleration/deceleration lanes, intersection improvements, etc.

# II. SYSTEM QUALITY

Activities, programs and projects that maintain the function and aesthetics of the existing transportation system

System Quality includes all programs that maintain the functionality and aesthetics of the existing transportation infrastructure at Transportation Commission defined service levels. This investment category primarily includes the Department's maintenance activities on the highway system, right-of-way, and bridge program. In addition to highway maintenance, the investment category includes maintenance activities for airports and the preservation of railroad rights-of-way for transportation uses.

# **INVESTMENT LEVEL GOALS:**

Preserve the transportation system

Keep the system available and safe for travel

# INVESTMENT LEVEL DEPARTMENT-WIDE OBJECTIVES:

Enhance and maintain the transportation system to ensure maximum useful life

- Investment decisions ensure maintaining highway lifecycles

Preserve and maintain the existing system at an acceptable level of service and condition

- Assure maintenance of the existing system in concert with development of "new" or additional system enhancements

Develop a "travel-friendly" transportation system that incorporates reasonable customer desires

- Such as roadside vegetation, roadway access, signage and striping, disability access, pedestrian access, etc.

Ensure that investments in the transportation system preserve quality of life through aesthetics and environmental concerns

- Ensure air quality, multi-modal projects, aesthetically pleasing sound walls vs. plain concrete barriers

## **INVESTMENT LEVEL PERFORMANCE MEASURES:**

Surface Condition Rating of Fair or Better

Bridge Sufficiency Rating of Fair or Better

Maintenance Condition Survey

# **SYSTEM QUALITY - PROGRAM SUMMARIES:**

# **Pavement Program**

The program develops, implements, and supports network and project level pavement analysis and provides technical expertise and support to the CDOT Regions in the quality assurance of pavement designs.

## **Bridge Program**

The program develops, implements, and supports network and project level bridge analysis for the replacement, rehabilitation, and maintenance of bridges on and off the State highway system.

# **Roadside Maintenance Program**

The program maintains roadside slopes and structures to ensure the proper operation of the transportation system and to maintain the safety of the traveling public. Maintenance of roadside activities includes: landscaping, litter and debris removal, drainage and slope maintenance, fences, and noise walls.

# Rest Area Program

This program is to complete the Rest Area Management and Maintenance Study recommendations for capital construction through 2005. The program addresses reconstruction, rehabilitation and maintenance of rest area facilities on the Interstate and State highway systems. It also sets forth a program to address rehabilitation and maintenance issues conducted by CDOT's maintenance crews.

# **Traffic Operations Program**

The program maintains traffic control and related devices to ensure the proper operation of the transportation system and to maintain the safety of the traveling public. Devices that are maintained include signals, signs, pavement markings, lighting, guardrail, and attenuators.

## **Tunnel Program**

The program maintains all tunnels along the State highway system and includes the operation of two tunnels, Hanging Lakes and Eisenhower. Maintenance activities include structural integrity, ventilation, appearance, and emergency response.

# III. MOBILITY

# Programs, services and projects that provide for the movement of people, goods and information

The activities within this investment category address issues that impact movement whether it be level or quality of movement, accessibility to transportation, reliability of the system, connectivity of one system to another system, and environmental stewardship. The programs used to address these issues include highway construction, alternate modes, intelligent transportation systems, travel demand programs and weather-related incident management teams.

# **INVESTMENT LEVEL GOALS:**

Improve mobility

Increase travel reliability

# INVESTMENT LEVEL DEPARTMENT-WIDE OBJECTIVES:

Seek external customer feedback to improve functional and regional delivery of services

- Ensure CDOT talks with their customers to determine their needs and perspectives

Preserve transportation choices as a part of an integrated statewide transportation planning process

- Preserve and provide opportunities for transportation options such as public transit, bike paths, etc.

Maximize efficiency of the existing infrastructure prior to adding new capacity

- Ensure the existing system is functioning efficiently before considering new options

Ensure environmental stewardship of the transportation system

- Incorporate environmental processes as an element of project planning and development

Implement transportation improvements that enhance the quality of life and promote community values

- Community may want better public transportation and less traffic, such as light rail or other transit methods

Preserve options to anticipate Colorado's future transportation needs in major mobility corridors

 What CDOT is doing today to address future needs such as obtaining corridor right-ofways

# **INVESTMENT LEVEL PERFORMANCE MEASURES:**

Rate of Growth in Volume to Capacity

Rate of Growth in Annual Vehicle Miles of Travel

Customer Perception Rating of Travel Time Variability, Travel Reliability and Ability to Travel

Percent of Travel Needs Met (methodology in development)

## **MOBILITY - PROGRAM SUMMARIES:**

During the Department's Resource Allocation process, the Transportation Commission identifies regional allocations for the six Transportation Regions that cover the state. In FY2003 through FY2005, and every 3 years thereafter, the Statewide Transportation Plan is being developed using the process as identified in the CDOT Rules and Regulations that require transportation needs be obtained through a statewide regional planning process. The fifteen transportation-planning regions are currently developing a list of prioritized needs. The plans are reviewed and amended, as needed, each year through Transportation Commission held meetings.

To ensure the integrity of the grassroots planning process, objectives have not been established. However in its place, the Department will track the impact of regionally identified projects to the State's transportation system. The information will be provided to the planning regions to evaluate future project selection. In some cases, software models are currently being implemented to report this information.

The Transportation Commission will be reviewing this approach for subsequent years of reporting (2005 - 2030).

# **Highway Performance Program**

The program includes capital-intensive roadway projects that add new capacity to the system such as lane additions or new road construction. Many of these projects are listed as part of the Strategic Projects category that the Department is currently reporting separately. The remaining projects not included in the Strategic Projects category are included under this program.

## Alternative Mode Performance Program

Alternative modes play an important role in providing mobility and reducing congestion. The program includes aviation, rail, transit, bicycles and walking. Investment in these alternate modes provides for capital construction of facilities, operation of mass transit services, purchase of transit or rail vehicles, preserving rights of ways, and maintenance of facilities and modal equipment.

## **Facility Management Program**

This program includes systems that maximize the utilization and capacity of the existing transportation infrastructure and services. Examples include ramp metering, incident management and signal coordination.

## **Travel Demand Management Program**

This program includes strategies developed to influence the demand for existing transportation infrastructure. There are two types of strategies: (1) "Pull" strategies that attempt to attract travelers to higher density transportation modes. Examples include transit and carpool incentives, and, (2) "Push" strategies that discourage use of heavily used modes. Examples include parking charges and facility tolls.

## **Road Closures Program**

The program includes activities such as avalanche and rockslide removal as well as regular winter snow maintenance. These are included in the Mobility investment category because their primary purpose is to keep facilities open to accommodate the flow of traffic versus those activities reported in System Quality, which are to maintain the integrity of the transportation system.

An annual survey is conducted to observe maintenance conditions for the transportation system. Five service levels are established for each maintenance activity, A through F, with A being the best or highest service level and F being the worst.

# IV. STRATEGIC PROJECTS

# The 28 high priority projects that have been committed for accelerated funding

This program is comprised of 28 high-cost and high priority projects that are receiving accelerated funding to expedite their completion. These 28 projects have been selected to address corridors of State and regional significance, the inordinate amount of time required to complete major projects, and provide for a more aggressive response to the demands for mobility.

# **INVESTMENT LEVEL GOALS:**

Accelerate the completion of the projects

Increase investment in the program

# INVESTMENT LEVEL DEPARTMENT-WIDE OBJECTIVES:

Promote partnerships with all governments to enhance working relationships

- Collaborate on local projects such as assisting communities with their planning

Accelerate Strategic Project delivery while minimizing the impact to all other objectives

- Ensure strategic projects are supported with minimum risk to other activities

Maintain eligibility of CDOT's bonding program to ensure non-default and ability to bond in the future

- CDOT needs to maintain a certain bond rating as well as meet bond dates

# **INVESTMENT LEVEL PERFORMANCE MEASURES:**

Actual Funds Encumbered versus Total Encumbrance Planned by Program

Actual Funds Expended versus Planned reported on a quarterly and yearly basis

Percent Ad Dates Met Prior, On-Time, within 30 days, 60 days, or beyond 60 days

Days to Complete Payment Processing and Billing Compared to Indenture and Continuing Disclosure

# V. PROGRAM DELIVERY

# Support functions that enable the delivery of CDOT's programs and services

Although the programs and services within this investment category do not directly result in tangible transportation projects, they are the foundation for delivery of all of the other investment categories.

# **INVESTMENT LEVEL GOALS:**

Deliver high quality products and services in a timely fashion

Attract and retain an effective and qualified workforce

Foster an environment that respects workforce diversity

## INVESTMENT LEVEL DEPARTMENT-WIDE OBJECTIVES:

Maintain fiscal integrity of CDOT through timely encumbrance of funds and project delivery

- Demonstrate financial responsibility through effective management of fund expenditures and project delivery and quality

Create a funding environment that preserves the base while pursuing new sources

- Ensure CDOT maintains its eligibility to receive existing funds (bond rating) while pursuing new funds

Ensure timely product and service delivery

- Aggregation of critical service delivery within CDOT Program Delivery such as vendor payments, project delivery, etc.

Identify innovative human resource (HR) solutions that maximize existing resources to meet business needs

- With changing employee market conditions, consider alternative ways to provide service such as contractors, consultants, technology innovations, etc.

Create public confidence in Department accountability

 Communicate, educate and market to customers regarding CDOT's business and performance

Incorporate education in project development and implementation

- Foster partnerships with other governments and customers in projects to help create better understanding and support

Develop planning processes that enhance future project development

- Ensure that CDOT can plan and prepare for the future with processes in place today

Design projects that foster alternative modes in partnership with local entities

- Ensure transportation system project designs consider all modes of travel including auto, foot, bicycle, etc.

Maintain a viable service industry to create a competitive environment

- Ensure that CDOT recruits and maintains a good contractor pool to work from

Create an environment that fosters high employee productivity

- Ensure that CDOT encourages high production per FTE to receive maximum benefits

# **INVESTMENT LEVEL PERFORMANCE MEASURES:**

Performance measures for Program Delivery are not established at the "Investment Category Level" but rather at the Core Service and Tools and Service Level, noted below, and are not included in the "Strategic Plan."

# PROGRAM DELIVERY - PROGRAM SUMMARIES:

The programs have been grouped into three functional areas: Strategic Support, General Support and Program Support

# **Strategic Support Program**

Strategic Support includes functions that set, advocate, and communicate strategic direction and policy for the Department including the Transportation Commission, Tolling Enterprise Board, Executive Office, Executive Management Team (EMT) and the Office of Policy and Governmental Relations.

# **General Support Program**

General Support includes functions that are required by any business to support day to day operations, such as information systems, accounting, budgeting, auditing, procurement, human resource management, financial management, etc.

## **Program Support**

Program Support includes functions that are unique to CDOT that would not normally be found in most governmental agencies. Since CDOT's mission supports the movement of people, goods, and information, specific programs that are used include Right-of-Way Services, the Office of Environmental Review and Analysis, Aeronautics, Staff Construction and Materials, Staff Design, Division of Transportation Development, Staff Maintenance, etc.

## **Property/Equipment Program**

Property/Equipment Program includes functions associated with the maintenance, operation, replacement and upgrade of the Department's buildings, vehicles and non-computer equipment.