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### **ALTERNATIVES DEVELOPMENT AND SCREENING REPORT**

(Incorporated by reference and provided with this Final EIS in a separate volume)

### **PACKAGE CONCEPT PLANS**

(Separate 11x17 volume)

### **OTHER TECHNICAL REPORTS**

(Available for review at CDOT Region 4 – Greeley; two volumes)

- ▶ Air Quality Technical Report and Addendum
- ▶ Traffic Noise and Vibration Impact Assessment and Addendum
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## LIST OF ABBREVIATED TERMS

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|          |         |  |
|----------|---------|--|
| <b>A</b> | AASHTO  | American Association of State Highway and Transportation Officials                   |
|          | ACM     | asbestos-containing material   |
|          | ACP     | Access Control Plan  |
|          | ADA     | Americans with Disabilities Act  |
|          | APCD    | Air Pollution Control Division (CDPHE)   |
|          | APE     | area of potential effects  |
|          | APEN    | Air Pollution Emission Notice  |
|          | APTA    | American Public Transportation Association   |
|          | AST     | above ground storage tank  |
| <b>B</b> | BMP     | best management practice   |
|          | BNSF    | Burlington Northern and Santa Fe Railway   |
|          | BRT     | bus rapid transit  |
|          | BTEX    | benzene, toluene, ethylbenzene, and xylene   |
|          | BTU     | British Thermal Unit   |
| <b>C</b> | C&S     | Colorado & Southern Railroad   |
|          | CAA     | Clean Air Act  |
|          | CAMP    | Continuous Ambient Monitoring Program  |
|          | CAQCC   | Colorado Air Quality Control Commission  |
|          | CB      | commuter bus   |
|          | CB&Q    | Chicago, Burlington & Quincy Railroad  |
|          | CBC     | concrete box culvert   |
|          | CBD     | Central Business District  |
|          | CC      | Colorado Central Railroad  |
|          | CCR     | Code of Colorado Regulations   |
|          | CDH     | Colorado Department of Health  |
|          | CDOT    | Colorado Department of Transportation  |
|          | CDOW    | Colorado Division of Wildlife  |
|          | CDPHE   | Colorado Department of Public Health and Environment                                 |
|          | CDPS    | Colorado Discharge Permit System   |
|          | CEQ     | Council on Environmental Quality   |
|          | CERCLA  | Comprehensive Environmental Response, Compensation, and Liability Act                |
|          | CERCLIS | Comprehensive Environmental Response, Compensation, and Liability Information System |
|          | CFC     | chlorofluorocarbon   |
|          | CFR     | Code of Federal Regulations  |

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## LIST OF ABBREVIATED TERMS (CONT'D)

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|                 |   |
|-----------------|---|
| CFRT            | Colorado Front Range Trail                        |
| CGS             | Colorado Geological Survey                        |
| CMP             | corrugated metal pipe                             |
| CNG             | compressed natural gas                            |
| CNHP            | Colorado National Heritage Program                |
| CO              | carbon monoxide                                   |
| CO <sub>2</sub> | carbon dioxide                                    |
| CORRACTS        | RCRA corrective action                            |
| CORSIM          | corridor simulation traffic micro-simulation tool |
| CPI             | Consumer Price Index                              |
| CR              | County Road                                       |
| CR              | commuter rail                                     |
| CRS             | Colorado Revised Statute                          |
| CSU             | Colorado State University                         |
| CTE             | Colorado Tolling Enterprise                       |
| <b>D</b>        |   |
| DEIS            | Draft Environmental Impact Statement              |
| DIA             | Denver International Airport                      |
| D&RG            | Denver & Rio Grande Railroad                      |
| dB              | decibels  |
| dBA             | A-weighted decibel                                |
| DFIRM           | Digital Flood Insurance Rate Map                  |
| DMU             | diesel multiple unit                              |
| DOT             | U.S. Department of Transportation                 |
| DPM             | diesel particulate emissions                      |
| DRCOG           | Denver Regional Council of Governments            |
| <b>E</b>        |   |
| EA              | Environmental Assessment                          |
| EAC             | Early Action Compact                              |
| EB              | eastbound   |
| EIS             | Environmental Impact Statement                    |
| EOC             | Executive Oversight Committee                     |
| EOS             | Environmental Overview Study                      |
| EPA             | U.S. Environmental Protection Agency              |
| ERNS            | Emergency Response Notification System            |
| ERO             | ERO Resources Corporation                         |



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## LIST OF ABBREVIATED TERMS (CONT'D)

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|          |        |   |
|----------|--------|---|
|          | ESA    | Endangered Species Act                              |
| <b>F</b> | FEIS   | Final Environmental Impact Statement                |
|          | FEMA   | Federal Emergency Management Agency                 |
|          | FHWA   | Federal Highway Administration                      |
|          | FHU    | Felsburg Holt & Ullevig                             |
|          | FIFRA  | Federal Insecticide, Fungicide, and Rodenticide Act |
|          | FINDS  | Facility Index System                               |
|          | FIRM   | Flood Insurance Rate Map                            |
|          | FONSI  | Finding of No Significant Impact                    |
|          | FR     | Federal Register                                    |
|          | FRA    | Federal Railroad Administration                     |
|          | FRCR   | Front Range Commuter Rail                           |
|          | FREX   | Front Range Express                                 |
|          | FS     | feasibility study                                   |
|          | FTA    | Federal Transit Administration                      |
|          | FTTS   | FIFRA and TSCA Tracking System                      |
| <b>G</b> | GIS    | geographic information system                       |
|          | g/mi   | grams of pollutant per vehicle mile traveled        |
|          | GHG    | greenhouse gas                                      |
|          | GPL    | general purpose lane                                |
|          | gpm    | gallons per minute                                  |
|          | GPS    | global positioning system                           |
|          | GWR    | Great Western Railway                               |
| <b>H</b> | H&S    | health and safety                                   |
|          | HC     | hydrocarbon   |
|          | HHS    | U.S. Department of Health and Human Services        |
|          | HIRSYS | Hotline Information Record System                   |
|          | HMMH   | Harris, Miller, Miller & Hanson                     |
|          | HOT    | high-occupancy toll                                 |
|          | HOV    | high-occupancy vehicle                              |
|          | HUD    | U.S. Department of Housing and Urban Development    |
|          | Hz     | hertz   |
| <b>I</b> | I-25   | Interstate 25                                       |
|          | IF     | isolated find                                       |
|          | IRIS   | Integrated Risk Information System                  |

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## LIST OF ABBREVIATED TERMS (CONT'D)

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|          |                   |  |
|----------|-------------------|--|
|          | ISA               | initial site assessment  |
|          | ISCST3            | Industrial Source Complex Short-Term dispersion model                            |
|          | IMPLAN            | Impact Analyses and Planning   |
|          | ITS               | intelligent transportation system  |
| <b>L</b> | L&WCF             | Land and Water Conservation Fund Program of Assistance to States and Urban Parks |
|          | L <sub>dn</sub>   | day-night average sound level  |
|          | L <sub>eq</sub>   | equivalent continuous sound level  |
|          | LCR               | Larimer County Road  |
|          | LEDPA             | least environmentally damaging practicable alternative                           |
|          | LEP               | limited English proficient   |
|          | LHC               | locomotive hauling coach   |
|          | LOS               | level of service   |
|          | LOSS              | level of service of safety   |
|          | LRT               | light rail transit   |
|          | LUST              | leaking underground storage tank   |
| <b>M</b> | MBTE              | methyl tert-butyl ether  |
|          | MESA              | Modified Phase I Environmental Site Assessment                                   |
|          | µg/m <sup>3</sup> | micrograms per cubic meter   |
|          | mg/mi             | milligrams per mile  |
|          | MHWMB             | Mile High Wetland Mitigation Bank  |
|          | MIS               | Major Investment Study   |
|          | MMP               | Materials Management Plan  |
|          | MP                | mile post  |
|          | mph               | miles per hour   |
|          | MS4               | Municipal Separate Storm Sewer System  |
|          | MSAT              | mobile source air toxics   |
|          | MSE               | mechanically stabilized earth  |
|          | MSPWM             | Middle South Platte Wetland Mitigation Bank                                      |
| <b>N</b> | NAAQS             | National Ambient Air Quality Standards   |
|          | NAC               | Noise Abatement Criteria   |
|          | NATA              | National Air Toxics Assessment   |
|          | NB                | northbound   |
|          | NDIS              | Colorado Natural Diversity Information Source                                    |
|          | NEPA              | National Environmental Policy Act  |
|          | NFRAP             | no further remedial action planned   |

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## LIST OF ABBREVIATED TERMS (CONT'D)

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|                   |   |
|-------------------|---|
| NFR               | North Front Range   |
| NFRMPO            | North Front Range Metropolitan Planning Organization                            |
| NFRTAFS           | North Front Range Transportation Alternatives Feasibility Study                 |
| NH <sub>3</sub>   | ammonia   |
| NHPA              | National Historic Preservation Act  |
| NHTSA             | National Highway Traffic Safety Administration                                  |
| NLEV              | National low emission vehicle   |
| N <sub>2</sub> O  | nitrous oxide   |
| NO <sub>2</sub>   | nitrogen dioxide  |
| NO <sub>x</sub>   | oxides of nitrogen  |
| NPDES             | National Pollutant Discharge Elimination System                                 |
| NPL               | National Priority List  |
| NRHP              | National Register of Historic Places  |
| NRCS              | Natural Resources Conservation Service  |
| NTD               | National Transit Database   |
| <b>O</b>          |   |
| O&M               | operation and maintenance   |
| O <sub>3</sub>    | Ozone   |
| OAHP              | Office of Archaeology and Historic Preservation                                 |
| OPS               | Division of Oil and Public Safety (Colorado Department of Labor and Employment) |
| OSHA              | Occupational Safety and Health Administration                                   |
| OUR               | Outreach United Resource Center   |
| <b>P</b>          |   |
| ParClo            | partial cloverleaf interchange  |
| Pb                | lead  |
| PCB               | polychlorinated biphenyl  |
| PEM               | palustrine emergent wetland   |
| PID               | photoionization detector  |
| PM                | afternoon and evening   |
| PM <sub>2.5</sub> | particulate matter less than 2.5 microns in size                                |
| PM <sub>10</sub>  | particulate matter less than 10 microns in size                                 |
| POTW              | publicly owned treatment work   |
| ppm               | parts per million   |
| PPV               | peak particle velocity  |
| PSI               | preliminary site investigation  |
| PSS               | palustrine, scrub-shrub wetland   |

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## LIST OF ABBREVIATED TERMS (CONT'D)

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|          |                 |   |
|----------|-----------------|---|
|          | PUC             | Public Utilities Commission                           |
|          | PUD             | Planned Unit Development                              |
| <b>R</b> | R1              | Residential 1   |
|          | RAQC            | Regional Air Quality Council                          |
|          | RCC             | Regional Coordination Committee                       |
|          | RCP             | reinforced concrete pipe                              |
|          | RCRA            | Resource Conservation and Recovery Act                |
|          | RCRIS           | Resource Conservation and Recovery Information System |
|          | RFG             | reformulated gasoline                                 |
|          | RI              | remedial investigation                                |
|          | RL              | Residential Low                                       |
|          | RMRA            | Rocky Mountain Rail Authority                         |
|          | ROD             | Record of Decision                                    |
|          | ROE             | right-of-entry  |
|          | ROW             | right-of-way  |
|          | RTD             | Regional Transportation District                      |
|          | RTP             | Regional Transportation Plan                          |
| <b>S</b> | SB              | southbound  |
|          | SB              | Colorado Senate Bill                                  |
|          | SH              | State Highway   |
|          | SHPO            | State Historic Preservation Officer                   |
|          | SO <sub>2</sub> | Sulfur Dioxide  |
|          | SPUI            | single-point urban interchange                        |
|          | SRHP            | State Register of Historic Places                     |
|          | STC             | South Transit Center                                  |
|          | SWF             | solid waste landfill                                  |
|          | STIP            | State Transportation Improvement Program              |
| <b>T</b> | TAC             | Technical Advisory Committee                          |
|          | TAFS            | Transportation Alternatives Feasibility Study         |
|          | TAZ             | Traffic Analysis Zone                                 |
|          | TDA             | tire derived aggregate                                |
|          | TEL             | tolled express lane                                   |
|          | TEPH            | total extractable petroleum hydrocarbons              |
|          | TMDL            | total maximum daily load                              |
|          | TMP             | transportation management plan                        |

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## LIST OF ABBREVIATED TERMS (CONT'D)

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|          |        |  |
|----------|--------|--|
|          | TMU    | Transit Mixed Use  |
|          | TPR    | Transportation Planning Region                                 |
|          | tpy    | tons per year  |
|          | T-REX  | Transportation Expansion Project                               |
|          | TRI    | travel rate index  |
|          | TSD    | treatment, storage, and disposal                               |
|          | TSP    | total suspended particulates                                   |
|          | TSCA   | Toxic Substances Control Act                                   |
|          | TSS    | total suspended solids   |
|          | TVPH   | total volatile petroleum hydrocarbon                           |
| <b>U</b> | UDFCD  | Urban Drainage and Flood Control District                      |
|          | UFR    | Upper Front Range  |
|          | UFRRPC | Upper Front Range Regional Planning Commission                 |
|          | UPRR   | Union Pacific Railroad   |
|          | US     | United States  |
|          | USACE  | U.S. Army Corps of Engineers                                   |
|          | USC    | United States Code   |
|          | USDA   | United States Department of Agriculture                        |
|          | USFWS  | United States Department of Interior Fish and Wildlife Service |
|          | USGS   | United States Department of Interior Geological Survey         |
|          | UST    | underground storage tank                                       |
| <b>V</b> | VCUP   | CDPHE Voluntary Clean-up Program                               |
|          | VdB    | vibration decibel  |
|          | VHT    | vehicle hours of travel  |
|          | VMT    | vehicle miles of travel  |
|          | VOC    | volatile organic compound                                      |
|          | vpd    | vehicles per day   |
|          | VRE    | Virginia Railway Express                                       |
| <b>W</b> | WB     | westbound  |
|          | WCR    | Weld County Road   |
|          | WQCD   | Water Quality Control Division (CDPHE)                         |
|          | WQCV   | water quality capture volume                                   |
|          | WTTN   | Western Transportation Trade Network                           |
|          | WWTP   | wastewater treatment plant                                     |
| <b>Y</b> | YOE    | Year of expenditure  |

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