

APPENDIX A: Seven Planning Factors and Glossary



TRANSPORTATION EQUITY ACT FOR THE 21st CENTURY (TEA-21) 7 PLANNING AREAS

The growing importance of operating and managing the transportation system is recognized as a focal point for transportation planning. TEA-21 consolidates the sixteen planning factors previously established under ISTEA into seven broad “areas” to be considered in the planning process, which include:

- Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency; and
- Increase the safety and security of the transportation system for motorized and non-motorized users; and
- Increase the accessibility and mobility options available to people and for freight; and
- Protect and enhance the environment, promote energy conservation, and improve quality of life; and
- Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight; and
- Promote efficient system management and operation; and
- Emphasize the preservation of the existing transportation system.

TRANSPORTATION AND AIR QUALITY PLANNING ACRONYMS REVISED JANUARY 2000

3-C	Continuing, Comprehensive, & Coordinated - 3-C planning process as required by TxDOT
AADT	Annual Average Daily Traffic
AASHTO	American Association of State Highway and Transportation Officials
ADA	Americans with Disabilities Act
ADT	Average Daily Traffic
AE	Annual Element
AERCO	Area Emissions Reduction Credit Organization
APO	Average Passenger Occupancy
APTA	American Public Transportation Association
AQC	Air Quality Compliance
AQCRs	Air Quality Control Regions
AQMA	Air Quality Maintenance Area - Areas noted by the EPA that have a potential for, or that presently exceed, the National Ambient Air Quality Standards
ATOM 2	A modified version of the Atomistic Model--Disaggregate Trip Distribution Model of the TTDP
AVL	Authorized Vehicle Lane
AVO	Average Vehicle Occupancy
BMS	Bridge Management System
BRINSAP	Bridge Inventory, Inspection, and Appraisal Program
CAA	Clean Air Act (and its related amendments)
CAGR	Compound Annual Growth Rate
CBD	Central Business District
CDP	Census Designated Places
CEI	Cost Effectiveness Index
CFR	Code of Federal Regulations
CMAQ	Congestion Mitigation Air Quality
CMA	Congestion Mitigation Analysis (formerly known as SOV Analysis)
CMS	Congestion Management System

CMSA	Consolidated Metropolitan Statistical Area - The Houston-Galveston-Brazoria CMSA consists of the Houston PMSA (Fort Bend, Harris, Liberty, Montgomery, and Waller Counties), the Galveston-Texas City PMSA (Galveston County), and the Brazoria PMSA (Brazoria County)
CNG	Compressed Natural Gas
CIP	Capital Improvement Program
CO	Carbon Monoxide
COG	Council of Government
CRP	Consolidated Road Program
CT	Census Tract
CTR	Center for Transportation Research, University of Texas at Austin
D-2	Division of Aviation, TxDOT
D-10	Division of Transportation Planning, TxDOT
D-11	Division of Public Transportation, TxDOT
DEIS	Draft Environmental Impact Statement
DEMO	Demonstration grant - funding of an experimental program
DIME	Dual Independent Map Encoding - A technique of creating a geographic base file (replaced by TIGER files)
DOT	Department of Transportation
EA	Environmental Assessment
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
FAA	Federal Aviation Administration
FAI	Federal Air Interstate System
FAP	Federal Aid Primary System
FAPG	Federal Aid Policy Guide (Replaces FHPM)
FAS	Federal Aid Secondary System
FAU	Federal Aid Urban System
FCFF	Federal Clean Fuel Fleet
FAHPM	Federal Aid Highway Program Manual (replaced by FAPG)

FHWA	Federal Highway Administration
FMA	Federal Maritime Administration
FMVCP	Federal Motor Vehicle Control Program
FONSI	Finding of No Significant Impact
FRA	Federal Railroad Administration
FTA	Federal Transit Administration (formerly UMTA)
GCSPR	Gulf Coast State Planning Region
GIS	Geographic Information Systems
GSU	Geographic Statistical Unit
HAOS	Houston Area Oxidant Study
HC	Hydrocarbons
H-GAC	Houston-Galveston Area Council
H-GRTS	Houston-Galveston Regional Transportation Study - Part of TxDOT, Houston District
HOV	High Occupancy Vehicle
HPMS	Highway Performance Monitoring System
HPR	Highway Planning and Research
HRT	Heavy Rail Transit
HUD	U.S. Department of Housing and Urban Development
IH	Interstate Highway
I/M	Inspection/Maintenance Program (of vehicular emission controls)
IMS	Intermodal Management System
IPG	Intermodal Planning Group
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991
ITS	Intelligent Transportation System
IVHS	Intelligent Vehicle Highway System
LEV	Low Emission Vehicle
LMRT	Local Match for Rural Transit
LMT	Local Match for Transit

LNG	Liquid Natural Gas
LOS	Level of Service
LPG	Liquefied Petroleum Gas
LRP	Long Range Transportation Plan
LRT	Light Rail Transit
METRO	Metropolitan Transit Authority of Harris County
MIS	Major Investment Study
MOBIL5a	EPA's Mobile Emissions Factor Model
MPO	Metropolitan Planning Organization
MTP	Metropolitan Transportation Plan (formerly Long Range Transportation Plan)
NAAQS	National Ambient Air Quality Standards
NARC	National Association of Regional Councils
NASP	National Airport System Plan
NEPA	National Environmental Protection Act
NHS	National Highway System
NOx	Nitrogen Oxide
NPRM	Notice of Proposed Rule Making
O₃	Ozone
O&D	Origin and Destination
OPD	Overall Program Design - A budgetary document of H-GAC
P&P	Park and Pool
P&R	Park and Ride
PASS	Principal Arterial Street System (TxDOT)
PDP	Project Development Plan
PIP	Public Involvement Plan
PL	FHWA Planning Funds
PM	Particulate Matter (suspended solids)

PMS	Pavement Management System
PMSA	Primary Metropolitan Statistical Area
PMT	Personal Miles Traveled (daily or annually)
PPM	Parts Per Million
PRT	Personal Rapid Transit
PTF	Public Transportation Fund (State of Texas)
PTMS	Public Transportation Facilities and Equipment Management System
RAP	Reliever Airport Plan
RAQPC	Regional Air Quality Planning Committee
RASP	Regional Airport System Plan
RCAP	Regional Commute Alternatives Program
RFP	Request for Proposal
RFQ	Request for Qualification
RMP	Regional Mobility Plan
R-O-W	Right-of-Way
SIP	State Implementation Plan - Required of TNRCC by the EPA through the CAAs of 1972 and 1977. Plan to meet NAAQS by 2007 (for ozone) through controls on all emission sources (includes TCPs)
SMS	Safety Management System
SO₂	Sulfur Dioxide
SOV	Single Occupancy Vehicle
STFI	Summary Tape File 1
STIP	State Transportation Improvement Program
STP	Surface Transportation Program
STOL	Short Takeoff and Landing Aircraft
STRAHNET	Strategic Highway Network
TAC	Technical Advisory Committee to the Transportation Policy Council
TACB	Texas Air Control Board (Replaced by the Texas Natural Resource Conservation Commission)

TAFF	Texas Alternative Fuel Fleet Program
TASP	Texas Airport System Plan
TCAA	Texas Clean Air Act
TCMs	Transportation Control Measures
TCP	Transportation Control Plan - As envisioned by the EPA to reduce mobile source emissions enough by 1982 or 1987 to meet NAAQS
TDM	Travel Demand Modeling; also Transportation Demand Management
TDP	Transit Development Program
TEA-21	Transportation Equity Act for the 21 st Century (Enacted June 9, 1998)
THTS	Texas Highway Trunk System
TIGER	Topologically Integrated Geographic Encoding and Referencing
TIP	Transportation Improvement Program
TMA s	Transportation Management Areas
TMO s	Transportation Management Organizations
TMS/H	Traffic Management System for Highways
TNRCC	Texas Natural Resource Conservation Commission
TRACS	Texas Review and Comment System
TSM	Transportation Systems Management
TOPICS	Traffic Operations to Increase Capacity and Safety
TPC	Transportation Policy Council for the Gulf Coast State Planning Region
TRC	Texas Railroad Commission
TTC	Texas Transportation Commission
TTDP	Texas Travel Demand Package
TTI	Texas Transportation Institute - A division of Texas A&M University
TxDOT	Texas Department of Transportation
UA/UZA	Urbanized Area
UPWP	Unified Planning Work Program
USDOT	United States Department of Transportation

UTP	Unified Transportation Plan
UTPS	Urban Transportation Planning System - Computer programs for transportation planning
VMT	Vehicle Miles Traveled (daily or annually)
VOC	Volatile Organic Compound