

Contents

Contents	iii
Tables	ix
Illustrations	xi
Acronyms	xv
Glossary	xix
Executive Summary	xxiv

Chapter A

Inventory of Existing Conditions

Introduction	A.1
Airport Role and Facilities	A.2
Airside Facilities	A.5
Runways	A.5
Taxiways	A.7
Landside Facilities	A.9
Aprons	A.9
Hot Spots	A.10
Passenger Terminal Area Complex	A.11
Aviation Industrial/Maintenance Facilities	A.15
Air Cargo Facilities	A.16
Oklahoma National Guard Facilities	A.16
General Aviation Facilities	A.17
Aviation-Related Commercial Facilities	A.18
Airport Support Facilities	A.18
Transportation Facilities	A.23
Airspace System and NAVAIDS	A.25
Land Use and Zoning Inventory	A.28
Existing Zoning	A.28
Existing Land Use	A.31
Future Land Use	A.32
Environmental Review	A.37
Air Quality	A.37
Farmland	A.38
Floodplains	A.38
Historical, Architectural, Archeological, and Cultural Inventories	A.41
Threatened and Endangered Species	A.41
Section 4(f) Property	A.41
Water Quality	A.42
Wetlands	A.43
Summary	A.44

Chapter B

Forecasts of Aviation Activity

Introduction	B.1
Overview of the Airport Market Area	B.2
Regional Demographics	B.3
Trends/Issues with the Potential to Influence Future Airport Growth	B.6
Lifting of the Wright Amendment	B.6
National Aviation Trends	B.7
Local Factors Affecting Demand	B.11
Historic and Current Aviation Activity	B.12
Commercial Air Service	B.12
Operations	B.22
Based Aircraft	B.24
Air Cargo	B.25
Projections of Aviation Demand	B.26
Passenger Enplanements	B.28
Commercial Service Aircraft Operations	B.31
Air Cargo Operations and Freight/Mail	B.34
General Aviation Aircraft Operations	B.35
Military Aircraft Operations	B.38
Operations Forecast by Aircraft Type	B.39
Local and Itinerant Operations Forecast	B.40
Peak Period Forecast	B.41
Based Aircraft	B.41
Fleet Mix	B.45
Summary	B.46
Post-Planning Period Forecasts	B.46
Runway Design Code (RDC)/Critical Aircraft Analysis	B.47
Runways	B.50
Forecast Approval	B.52

Chapter C

Capacity & Facility Requirements

- Introduction C.1
- Airfield Capacity Methodology C.1
 - Airfield Layout C.2
 - Environmental Conditions C.2
 - Characteristics of Demand C.7
 - Air Traffic Control Rules C.9
- Airfield Capacity Analysis C.10
 - Hourly Runway Capacity C.10
 - Annual Service Volume C.10
 - Ground Access Capacity C.11
 - Terminal Curb Frontage C.13
 - Terminal Parking Space C.14
- Capacity Summary C.15
- Airfield Facility and Airspace Requirements C.16
 - Airfield Design Standards C.16
- Runways C.24
 - Runway End Siting Surfaces C.36
 - Federal Aviation Regulations (FAR) Part 77 C.38
 - Instrumentation and Lighting C.39
 - Taxiways C.40
 - Taxiway Dimensional Criteria C.41
 - Exit Taxiway Analysis C.50
- Landside Facility Requirements C.57
 - Passenger Terminal Area Requirements C.57
 - Ground Access and Parking Requirements C.57
 - General Aviation Aircraft Storage C.58
 - Air Cargo C.61
 - Aviation Industrial/Maintenance Facilities C.61
 - Oklahoma National Guard Facilities C.61
 - Support Facilities Requirements C.62
- Summary C.65
 - Airside Considerations C.65
 - Landside Considerations C.66

Chapter D

Development Concepts and Alternatives Analysis

Introduction	D.1
Development Assumptions	D.1
Development Goals	D.2
Airside Development Alternatives	D.3
Airside Alternative One	D.3
Airside Alternative Two	D.10
Airside Alternative Three	D.14
Recommended Airside Conceptual Development Plan	D.18
Airfield Pavement Strength	D.22
Summary of Environmental Considerations	D.23
Landside Development Alternatives	D.24
Potential Landside Development Areas	D.24
Passenger Terminal Area Development	D.27
Passenger Terminal Vehicular Access & Auto Parking	D.27
Terminal Curb Improvements (Arrivals Level)	D.29
Air Cargo and U.S. Customs/International Terminal	D.29
Passenger Light Rail Transit	D.29
General Aviation Development	D.29
Air and Army National Guard Development	D.31
Oklahoma Air National Guard (138th Fighter Wing)	D.31
Oklahoma Army National Guard (Army Aviation Support Facility #2)	D.35
Aviation Maintenance/Industrial Development	D.35
Aviation-Compatible/Non-Aviation Development	D.36
Support Facilities	D.38
Airport Traffic Control Tower (ATCT)	D.38
Fuel Storage	D.38
Airport Maintenance	D.40
Aircraft Rescue and Fire Fighting (ARFF) Facility	D.40
Airport Surveillance Radar (ASR) Site	D.40
Compass Rose	D.40
FAA Property Release	D.40
Recommended Airport Conceptual Development Plan	D.41
Development Projects & Phasing	D.44

Chapter E

Environs Land Use Planning

Introduction	E.1
Environmental Review of CDP	E.1
Noise	E.3
Airport Environs and Land Use Compatibility	E.7
Existing Land Use Controls	E.9
Air Quality	E.11
Farmlands	E.11
Floodplains	E.11
Hazardous Materials, Solid Waste, and Pollution Prevention	E.12
Historical, Architectural, Archeological, and Cultural Inventories	E.12
Section 4(f) Property	E.13
Threatened and Endangered Species	E.13
Water Resources	E.13
Wetlands	E.14
Wildlife Hazard Attractants	E.15
Summary of Environmental Considerations	E.17

Chapter F

Airport Plans

Introduction	F.1
Airport Layout Plan	F.2
Runway System	F.2
Runway 18L/36R	F.2
Runway 8/26	F.4
Runway 18R/36L	F.5
Taxiway System	F.6
Runway 18L/36R Taxiway System	F.6
Runway 8/26 Taxiway System	F.7
Runway 18R/36L Taxiway System	F.7
Property/Easement Acquisition	F.8
Airspace Plan	F.9
Inner Portion of the Approach Surface Plans	F.17
Departure Surface Plans	F.25
Runway Centerline Profile Plan	F.29

Landside Development Area Plans	F.31
Terminal Area Plan	F.31
West Area Plan	F.33
North Area Plan	F.33
East Area Plan	F.36
Aviation Support Development	F.38
Land Use Plan	F.40
Airport Property Map – “Exhibit A”	F.41

Chapter G

Development Program

Introduction	G.1
Implementation Schedule and Project List	G.2
Cost Estimates	G.2
Capital Funding Sources	G.2
Capital Improvement Program (CIP)	G.13
Phasing Plan	G.13
Summary – Master Plan Update Capital Improvement Program	G.18

Appendix One

TUL Existing Height Hazard & Overlay Zoning Documents	---
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Appendix Two

FAA TAF Templates	---
FAA Forecast Approval Letter	---

Appendix Three

TUL Airfield Pavement Management Plan/Summary of 5-Year Rehabilitation Plan	---
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Appendix Four

TUL Noise Abatement Avigation Easements	---
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Tables

Table A1	RUNWAY 18L/36R TAXIWAY SYSTEM	A.7
Table A2	RUNWAY 8/26 TAXIWAY SYSTEM	A.8
Table A3	RUNWAY 18R/36L TAXIWAY SYSTEM	A.9
Table A4	AIRLINE ARRIVAL/DEPARTURE GATE INVENTORY	A.14
Table A5	PASSENGER TERMINAL VEHICLE PARKING INVENTORY	A.15
Table A6	EXISTING AVIATION FUEL STORAGE	A.18
Table A7	FUEL SALES AT TULSA INTERNATIONAL AIRPORT, 2010 – 2014	A.20
Table A8	INSTRUMENT APPROACH PROCEDURES	A.28
Table A9	PRIME FARMLAND SOIL TYPES	A.38
Table A10	TULSA COUNTY ENDANGERED, THREATENED, AND CANDIDATE SPECIES	A.41
Table A11	PARKS WITHIN THE VICINITY OF TUL	A.42
Table A12	WASTEWATER DISCHARGE PERMITTED FACILITIES IN AIRPORT VICINITY	A.43
Table B1	HISTORIC POPULATION BY MARKET AREA COUNTY	B.4
Table B2	HISTORIC EMPLOYMENT BY MARKET AREA COUNTY	B.5
Table B3	ENPLANEMENTS BY CARRIER	B.14
Table B4	OUTBOUND ORIGIN-DESTINATION PASSENGERS	B.17
Table B5	AVERAGE DAILY SCHEDULED NONSTOP SERVICE, APRIL 2015	B.20
Table B6	AVERAGE DAILY SCHEDULED NONSTOP SERVICE BY CARRIER, APRIL 2015	B.21
Table B7	HISTORIC AIRCRAFT OPERATIONS	B.23
Table B8	PASSENGER ENPLANEMENT PROJECTIONS	B.29
Table B9	HISTORIC COMMERCIAL SERVICE AIRCRAFT OPERATIONS & BOARDING LOAD FACTORS	B.31
Table B10	PROJECTED COMMERCIAL SERVICE AIRCRAFT OPERATIONS	B.33
Table B11	ALL-CARGO CARRIER OPERATIONS PROJECTIONS	B.35
Table B12	AIR FREIGHT/MAIL PROJECTIONS (IN TONS)	B.35
Table B13	GENERAL AVIATION AIRCRAFT OPERATIONS PROJECTIONS	B.36
Table B14	MILITARY AIRCRAFT OPERATIONS PROJECTIONS	B.39
Table B15	SUMMARY OF OPERATIONS FORECAST BY AIRCRAFT TYPE, 2014-2034	B.40
Table B16	SUMMARY OF LOCAL AND ITINERANT OPERATIONS, 2014-2034	B.41
Table B17	PEAK PERIOD AIRCRAFT OPERATIONS, 2014-2034	B.41
Table B18	BASED AIRCRAFT PROJECTIONS	B.43
Table B19	PROJECTED BASED AIRCRAFT FLEET MIX	B.45
Table B20	SUMMARY OF AVIATION ACTIVITY FORECASTS 2014-2034	B.46
Table B21	POST PLANNING AVIATION ACTIVITY FORECASTS 2034-2064	B.47
Table B22	AIRCRAFT APPROACH CATEGORY (AAC)	B.48
Table B23	AIRPLANE DESIGN GROUP (ADG)	B.48
Table B24	SUMMARY OF OPERATIONS BY RDC, 2014	B.49
Table B25	SUMMARY OF OPERATIONS BY AIRCRAFT TYPE, 2014	B.49

Table B26	SUMMARY OF AIRCRAFT OPERATIONS BY AIRPORT REFERENCE CODE (ARC), 2014-2034	B.50
Table B27	RUNWAY 18L/36R CRITICAL AIRCRAFT OPERATIONS, 2014	B.51
Table B28	RUNWAY 8/26 CRITICAL AIRCRAFT OPERATIONS, 2014	B.51
Table B29	RUNWAY 18R/36L CRITICAL AIRCRAFT OPERATIONS, 2014	B.52
Table B30	SUMMARY OF AIRPORT & TAF FORECAST COMPARISON, 2014-2029	B.54
Table B31	TAF SUMMARY OF AIRPORT PLANNING FORECASTS	B.55
Table C1	EXISTING METEOROLOGICAL CONDITIONS	C.4
Table C2	ALL-WEATHER WIND COVERAGE SUMMARY	C.5
Table C3	IFR WEATHER WIND COVERAGE SUMMARY	C.7
Table C4	AIRCRAFT CLASS MIX FORECAST, 2014-2034	C.8
Table C5	AIRFIELD CAPACITY FORECAST SUMMARY, 2014-2034	C.11
Table C6	GROUND ACCESS FACILITY VOLUME	C.12
Table C7	AIRPORT ACCESS DEMAND FORECAST, 2014-2034	C.13
Table C8	PUBLIC PASSENGER TERMINAL VEHICLE PARKING PROJECTIONS	C.15
Table C9	RUNWAY 18L/36R DESIGN STANDARDS MATRIX – RDC D-IV-1200 (< ¾-MILE VISIBILITY MINIMUMS)	C.17
Table C10	RUNWAY 8/26 DESIGN STANDARDS MATRIX – RDC D-III-4000 (> ¾-MILE VISIBILITY MINIMUMS)	C.19
Table C11	RUNWAY 18R/36L DESIGN STANDARDS MATRIX – RDC D-II-4000 (> ¾-MILE VISIBILITY MINIMUMS)	C.21
Table C12	EXISTING COMMERCIAL AIRCRAFT RUNWAY TAKEOFF LENGTH RECOMENDATIONS, IN FEET	C.26
Table C13	EXISTING COMMERCIAL AIRCRAFT RUNWAY LANDING LENGTH RECOMENDATIONS, IN FEET	C.27
Table C14	GENERALIZED RUNWAY 18R/36L TAKEOFF LENGTH RECOMMENDATIONS, IN FEET	C.29
Table C15	EXISTING BUSINESS JET RUNWAY TAKEOFF LENGTH REQUIREMENTS, IN FEET	C.30
Table C16	EXISTING BUSINESS JET RUNWAY LANDING LENGTH REQUIREMENTS, IN FEET	C.31
Table C17	RUNWAY PROTECTION ZONE DIMENSIONS, IN FEET	C.35
Table C18	RUNWAY END SITING CRITERIA, IN FEET	C.37
Table C19	RUNWAY 18L/36R TAXIWAY DESIGN STANDARDS MATRIX (ADG), IN FEET	C.42
Table C20	RUNWAY 18L/36R TAXIWAY DESIGN STANDARDS MATRIX, IN FEET (TDG)	C.44
Table C21	RUNWAY 8/26 TAXIWAY DESIGN STANDARDS MATRIX, IN FEET (ADG)	C.45
Table C22	RUNWAY 8/26 TAXIWAY DESIGN STANDARDS MATRIX, IN FEET (TDG)	C.47
Table C23	RUNWAY 18R/36L TAXIWAY DESIGN STANDARDS MATRIX (ADG)	C.48
Table C24	RUNWAY 18R/36L TAXIWAY DESIGN STANDARDS MATRIX (TDG)	C.50
Table C25	RUNWAY 18L/36R EXIT TAXIWAY ANALYSIS	C.51
Table C26	RUNWAY 8/26 EXIT TAXIWAY ANALYSIS	C.53
Table C27	RUNWAY 18R/36L EXIT TAXIWAY ANALYSIS	C.55
Table C28	FUEL STORAGE REQUIREMENTS, 2014-2034	C.64
Table C29	REPRESENTATIVE AIR CARRIER AIRCRAFT LENGTHS AND ARFF INDEX	C.65

Table	D1	RUNWAY 18L/36R AIRSIDE CDP SUMMARY	D.20
Table	D2	RUNWAY 8/26 AIRSIDE CDP SUMMARY	D.20
Table	D3	RUNWAY 18R/36L AIRSIDE CDP SUMMARY	D.21
Table	D5	EXISTING (2015) & PREDICTED (2020) AIRPORT PAVEMENT CONDITION	D.23
Table	E1	EXISTING AND FUTURE OPERATIONS BY AIRCRAFT TYPE, 2014 & 2034	E.5
Table	F1	TUL EXISTING & FUTURE PROPERTY TOTALS	F.45
Table	G1	PHASE I (0-5 YEARS) DEVELOPMENT PLAN PROJECT COSTS	G.4
Table	G2	PHASE II (6-10 YEARS) DEVELOPMENT PLAN PROJECT COSTS	G.6
Table	G3	PHASE III (11-20 YEARS) DEVELOPMENT PLAN PROJECT COSTS	G.10
Table	G4	POST-PLANNING PERIOD (+20 YEARS DEVELOPMENT PLAN PROJECTS)	G.12

Illustrations

Figure	A1	AIRPORT LOCATION MAP	A.3
Figure	A2	AIRPORT VICINITY MAP	A.4
Figure	A3	EXISTING AIRPORT LAYOUT	A.6
Figure	A4	EXISTING AIRPORT APRON AREAS & HOT SPOTS	A.12
Figure	A5	EXISTING PASSENGER TERMINAL AREA SITE PLAN	A.13
Figure	A6	AIRPORT FUEL STORAGE/DISPENSING FACILITIES	A.19
Figure	A7	EXISTING ON-AIRPORT/ABOVE-GROUND UTILITIES	A.22
Figure	A8	EXISTING AIRPORT LANDSIDE ACCESS	A.24
Figure	A9	AIRSPACE/ NAVAIDS MAP	A.26
Figure	A10	GENERALIZED EXISTING ZONING	A.30
Figure	A11	GENERALIZED EXISTING LAND USE	A.33
Figure	A12	GENERALIZED FUTURE LAND USE	A.34
Figure	A13	PROPOSED ON-AIRPORT DEVELOPMENT	A.36
Figure	A14	PRIME FARMLAND SOILS	A.39
Figure	A15	ENVIRONMENTAL CONDITIONS	A.40
Figure	B1	AIRPORT MARKET AREA	B.2
Figure	B2	AIRPORT MARKET AREA EMPLOYMENT BY INDUSTRY (2014)	B.6
Figure	B3	HISTORIC PASSENGER ENPLANEMENTS (IN MILLIONS OF PASSENGERS)	B.13
Figure	B4	HISTORIC AIRLINE SHARE OF ENPLANEMENTS	B.15
Figure	B5	OUTBOUND O&D PASSENGERS AND AVERAGE ONE-WAY FARES	B.16

Figure B6	NONSTOP ROUTES FROM TULSA INTERNATIONAL AIRPORT, APRIL 2015	B.19
Figure B7	COMMERCIAL SERVICE MARKET TRENDS	B.22
Figure B8	HISTORIC BASED AIRCRAFT	B.25
Figure B9	HISTORIC AIR CARGO TONNAGE	B.26
Figure B10	PASSENGER ENPLANEMENT PROJECTIONS	B.29
Figure B11	PREFERRED PASSENGER ENPLANEMENT PROJECTION	B.30
Figure B12	PREFERRED COMMERCIAL SERVICE AIRCRAFT OPERATIONS PROJECTION	B.34
Figure B13	GENERAL AVIATION AIRCRAFT OPERATIONS PROJECTIONS	B.37
Figure B14	PREFERRED GENERAL AVIATION AIRCRAFT OPERATIONS PROJECTION	B.38
Figure B15	BASED AIRCRAFT PROJECTIONS	B.43
Figure B16	PREFERRED BASED AIRCRAFT PROJECTION	B.44
Figure B17	REPRESENTATIVE AIRCRAFT BY RUNWAY DESIGN CODE (RDC)	B.53
Figure C1	ALL-WEATHER WIND ROSE	C.6
Figure C2	IFR WEATHER WIND ROSE	C.7
Figure C3	EXISTING RDC D-IV-1200 DESIGN STANDARDS	C.18
Figure C4	EXISTING RDC D-III-4000 DESIGN STANDARDS	C.20
Figure C5	EXISTING RDC D-II-4000 DESIGN STANDARDS	C.22
Figure C6	RUNWAY 18L/36R & RUNWAY 8/26 RVZ DETAIL	C.34
Figure C7	RUNWAY 18L/36R TAXIWAY SYSTEM DIMENSIONAL STANDARD DETAIL	C.43
Figure C8	RUNWAY 8/26 TAXIWAY SYSTEM DIMENSIONAL STANDARD DETAIL	C.46
Figure C9	RUNWAY 18R/36L TAXIWAY SYSTEM DIMENSIONAL STANDARD DETAIL	C.49
Figure C10	RUNWAY 18L/36R EXIT TAXIWAY SYSTEM	C.52
Figure C11	RUNWAY 8/26 EXIT TAXIWAY SYSTEM	C.54
Figure C12	RUNWAY 18R/36L EXIT TAXIWAY SYSTEM	C.56
Figure C13	POTENTIAL GENERAL AVIATION INFILL DEVELOPMENT AREA	C.59
Figure C14	EXISTING AIR TRAFFIC CONTROL TOWER SHADOW AREAS	C.63
Figure D1	AIRSIDE ALTERNATIVE 1	D.5
Figure D2	AIRSIDE ALTERNATIVE 1A DETAIL (RUNWAY 18R/36L)	D.7
Figure D3	AIRSIDE ALTERNATIVE 1B DETAIL (RUNWAY 18R/36L)	D.8
Figure D4	AIRSIDE ALTERNATIVE 1C DETAIL (RUNWAY 18R/36L)	D.9
Figure D5	AIRSIDE ALTERNATIVE 2	D.12
Figure D6	AIRSIDE ALTERNATIVE 2A DETAIL (RUNWAY 18R/36L)	D.13
Figure D7	AIRSIDE ALTERNATIVE 3	D.16
Figure D8	AIRSIDE ALTERNATIVE 3A DETAIL (RUNWAY 18R/36L)	D.17
Figure D9	AIRSIDE CONCEPTUAL DEVELOPMENT PLAN (CDP)	D.19
Figure D10	AIRSIDE CDP WITH EXISTING ENVIRONMENTAL CONSIDERATIONS	D.25
Figure D11	POTENTIAL LANDSIDE DEVELOPMENT AREAS	D.26
Figure D12	PASSENGER TERMINAL & VIRGIN STREET AREA DETAIL	D.28
Figure D13	TERMINAL CURB (ARRIVAL LEVEL) DETAIL	D.30

Figure D14	WEST AREA DETAIL	D.32
Figure D15	NORTH AREA DETAIL	D.33
Figure D16	EAST AREA DETAIL	D.34
Figure D17	SOUTH AREA DETAIL	D.37
Figure D18	EXISTING/FUTURE ATCT AREA DETAIL	D.39
Figure D19	NON-AERONAUTICAL PROPERTY RELEASE AREA DETAIL	D.42
Figure D20	CONCEPTUAL DEVELOPMENT PLAN	D.43
Figure E1	TUL CDP WITH EXISTING ENVIRONMENTAL CONSIDERATIONS	E.2
Figure E2	LAND USE COMPATIBILITY MATRIX	E.4
Figure E3	2014 EXISTING DNL NOISE CONTOURS WITH GENERALIZED EXISTING LAND USE	E.6
Figure E4	2034 EXISTING DNL NOISE CONTOURS WITH GENERALIZED EXISTING LAND USE	E.8
Figure E5	AIRCRAFT PILOT AND PASSENGER PROTECTION ACT OVERLAY ZONING	E.10
Figure E6	HAZARDOUS WILDLIFE ATTRACTANT BOUNDARY MAP	E.16
Figure F1	AIRPORT LAYOUT PLAN	F.3
Figure F2	AIRPORT AIRSPACE – PART 77 CONICAL SURFACE PLAN	F.10
Figure F3	AIRPORT AIRSPACE – PART 77 NORTH APPROACH PLAN	F.11
Figure F4	AIRPORT AIRSPACE – PART 77 SOUTH APPROACH PLAN	F.12
Figure F5	AIRPORT AIRSPACE – PART 77 EAST APPROACH PLAN	F.13
Figure F6	AIRPORT AIRSPACE – PART 77 RUNWAY 18L/36R PROFILES	F.14
Figure F7	AIRPORT AIRSPACE – PART 77 RUNWAY 8/26 PROFILES	F.15
Figure F8	AIRPORT AIRSPACE – PART 77 RUNWAY 18R/36L PROFILES	F.16
*Figure F9	AIRPORT AIRSPACE – PART 77 POST-PLANNING RUNWAY 18L/36R PROFILES	
Figure F10	INNER PORTION OF THE APPROACH SURFACE – RUNWAY 18L PLAN & PROFILE	F.19
Figure F11	INNER PORTION OF THE APPROACH SURFACE – RUNWAY 36R PLAN & PROFILE	F.20
Figure F12	INNER PORTION OF THE APPROACH SURFACE – RUNWAY 8 PLAN & PROFILE	F.21
Figure F13	INNER PORTION OF THE APPROACH SURFACE – RUNWAY 26 PLAN & PROFILE	F.22
Figure F14	INNER PORTION OF THE APPROACH SURFACE – RUNWAY 18R PLAN & PROFILE	F.23
Figure F15	INNER PORTION OF THE APPROACH SURFACE – RUNWAY 36L PLAN & PROFILE	F.24
*Figure F16	INNER PORTION OF THE APPROACH SURFACE – POST-PLANNING RUNWAY 18L PLAN & PROFILE	
*Figure F17	INNER PORTION OF THE APPROACH SURFACE – POST-PLANNING RUNWAY 36R PLAN & PROFILE	
Figure F18	RUNWAY 18L/36R DEPARTURE SURFACE PLAN	F.26
Figure F19	RUNWAY 8/26 DEPARTURE SURFACE PLAN	F.27
Figure F20	RUNWAY 18R/36L DEPARTURE SURFACE PLAN	F.28
Figure F22	RUNWAY CENTERLINE PROFILE PLAN	F.30
Figure F23	PASSENGER TERMINAL AREA PLAN	F.32
Figure F24	WEST AREA PLAN	F.34

*REMOVED FROM PLAN

Figure F25	NORTH AREA PLAN	F.35
Figure F26	EAST AREA PLAN	F.37
Figure F27	LAND USE PLAN	F.40
Figure F28	AIRPORT PROPERTY MAP – EXHIBIT “A”	F.42
Figure G1	PHASING PLAN - PHASE I (0-5 Years)	G.14
Figure G2	PHASING PLAN - PHASE II (6 to 10 Years)	G.15
Figure G3	PHASING PLAN - PHASE III (11 to 20 Years)	G.16
Figure G4	PHASING PLAN – POST-PLANNING (20+ Years)	G.17

Acronyms

AAF	Army Air Field
AASF	Army Aviation Support Facility
AC	Advisory Circular
ACRP	Airport Cooperative Research Program
ADG	Airplane Design Group
ADO	Airports District Office
AGL	Above Ground Level
AIP	Airport Improvement Program
AIRS	Aerometric Information Retrieval System
ALP	Airport Layout Plan
ALS	Approach Lighting System
ALSF	Approach Lighting System with Sequenced Flashers
AMSL	Above Mean Sea Level
AOC	Airport Operating Certificate
AOPA	Aircraft Owners and Pilots Association
APV	Approach Procedure with Vertical Guidance
AQP	Aquifer Protection Area
ARC	Airport Reference Code
ARFF	Aircraft Rescue and Firefighting Facility
ARTCC	Air Route Traffic Control Center
ASDI	Aircraft Situation Display to Industry
ASO	Aviation Service Operator
ASOS	Automated Surface Observing System
ASV	Annual Service Volume
ATC	Air Traffic Control
ATCT	Airport Traffic Control Tower
AVGAS	Aviation Gasoline
BCA	Benefit Cost Analysis
BLF	Boarding Load Factor
BMP	Best Management Practice
CAP	Civil Air Patrol
CBD	Central Business District
CFR	Code of Federal Regulations
CIP	Capital Improvement Program
CSSN	Capacity/Safety/Security/Noise
CTAF	Common Traffic Advisory Frequency
DER	Decision End of Runway
dB	Decibel
DNL	Day-Night Noise Level

DOD	Department of Defense
EPA	Environmental Protection Agency
FAA	Federal Aviation Administration
FAR	Federal Aviation Regulations
FAS	Final Approach Segment
FATO	Final Approach and Takeoff Area
FBO	Fixed Base Operator
FCT	FAA Contract Tower
FPPA	Farmland Protection Policy Act
FSS	Flight Service Station
GA	General Aviation
GDP	Gross Domestic Product
GMA	Growth Management Act
GQS	Glidepath Qualification Surface
GPS	Global Positioning System
HIRL	High Intensity Runway Lights
IAP	Instrument Approach Procedure
IFR	Instrument Flight Rules
ILS	Instrument Landing System
IMC	Instrument Meteorological Conditions
INM	Integrated Noise Model
LATS	Long-Term Air Transportation Study
LIRL	Low Intensity Runway Lights
LITL	Low Intensity Taxiway Lights
LOI	Letter of Intent
LOS	Level of Service or Line of Sight
LPV	Localizer Performance with Vertical Guidance
MALS	Medium Intensity Approach Lighting System
MALSR	Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights
MAS	Missed Approach Segment
MIRL	Medium Intensity Runway Lights
MITL	Medium Intensity Taxiway Lights
MTOW	Maximum Takeoff Weight
NAAQS	National Ambient Air Quality Standards
NACD	Native American Consultation Database
NAS	National Airspace System
NASA	National Aeronautics and Space Administration
NAVAIDS	Navigational Aids
NBAA	National Business Aviation Association
NCDC	National Climatic Data Center
NCP	Noise Compatibility Program

NDB	Non-Directional Beacon
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NM	Nautical Mile
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
NPE	Non-Primary Airports Entitlement
NPIAS	National Plan of Integrated Airport Systems
NRCS	National Resources Conservation Service
NRHP	National Register of Historic Places
OCS	Obstacle Clearance Surface
ODALS	Omnidirectional Approach Lighting System
ODEQ	Oklahoma Department of Environmental Quality
OPBA	Operation per Based Aircraft
PAPI	Precision Approach Path Indicator
PCA	Permit Compliance System
PVC	Poor Visibility and Ceiling
RCL	Runway Centerline Lighting
REIL	Runway End Identifier Lights
RNAV	Area Navigation
RNP	Required Navigation Procedure
ROFA	Runway Object Free Area
RPZ	Runway Protection Zone
RSA	Runway Safety Area
RTR	Remote Transmitter/Receiver
RVR	Runway Visual Range
SEL	Sound Exposure Level
SEPA	State Environmental Policy Act
SPCC	Spill Prevention, Control, and Countermeasures
SSALR	Short Simplified Approach Lighting System with Runway Alignment Indicator Lights
SSALS	Simplified Short Approach Lighting System
TAA	Tulsa Airport Authority
TACAN	Tactical Air Navigation
TAF	Terminal Area Forecasts
TAIT	Tulsa Airport Improvement Trust
TDZ	Touchdown Zone
TERPS	United States Standard for Terminal Instrument Approach Procedures
TIA	Turn Initiation Area
TLOF	Touchdown and Liftoff Area
TOFA	Taxiway Object Free Area
TRACON	Terminal Radar Approach Control

TSA	Transportation Security Administration
TSS	Threshold Siting Surface
TUL	Tulsa International Airport
UNICOM	Universal Communications
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
VFR	Visual Flight Rules
VLJ	Very Light Jet
VMC	Visual Meteorological Conditions
VOR	Very High Frequency Omnidirectional Range
VOR/DME	Very High Frequency Omnidirectional Range with Distance Measuring Equipment
VORTAC	Very High Frequency Omnidirectional Range/Tactical Air Navigation
WAAS	Wide Area Augmentation System
WDFW	Washington State Department of Fish and Wildlife
WHPA	Wellhead Protection Area

Glossary

Above Mean Sea Level. The elevation of an object above the average sea level.

Air Carrier. A commercial airline with published schedules operating at least five round trips per week.

Aircraft Operation. An aircraft arrival (landing) or an aircraft departure (takeoff) represents one aircraft operation.

Aircraft Rescue and Firefighting Facility. A facility housing specifically trained personnel and equipment in response, firefighting, hazard mitigation, evacuation, and rescue of passengers and crew of an aircraft involved in a ground emergency.

Airport Layout Plan. The official, FAA approved drawing of an airport's existing and proposed facilities.

Airport Reference Code. An FAA design criterion based upon the approach speed (represented by a capital letter) and wingspan (represented by a roman numeral) of an aircraft that produces a minimum annual itinerant operations per year at an airport.

Airport Traffic Control Tower. A central operations tower in the terminal air traffic control system with an associated IFR room if radar equipped, using air to ground communications and/or radar, visual signaling, and other devices to provide the safe and expeditious movement of air traffic.

Air Route Traffic Control Center. A facility providing air traffic control to aircraft on an IFR flight plan within controlled airspace and principally during the enroute phase of flight.

Air Traffic Control. The control of aircraft traffic in the vicinity of airports from control towers, and in the airways between airports from control centers.

Annual Service Volume. A reasonable estimated of an airport's annual capacity (i.e., the level of annual aircraft operations that will result in an average annual aircraft delay of approximately one to four minutes).

Approach Lighting System. Radiating light beams guiding pilots to the extended runway centerline on final approach and landing.

Area Navigation. A method of navigation that permits aircraft operation on any desired course within the coverage of station-referenced navigation signals or within the limits of a self-contained system capability, or a combination of these.

Boarding Load Factor. The ratio of aircraft seats available for passenger boarding compared to the number of passengers actually boarding.

Common Traffic Advisory Frequency. The name given to a VHF radio frequency used at U.S., Canadian, and Australian airports that do not have an active or on-site control tower.

Decibel. A measurement used to quantify sound levels referencing a scale from the threshold of human hearing, 0 dB, upward toward the threshold of pain, about 120-140 dB.

Distance Measuring Equipment. Equipment used to measure, in nautical miles, the distance of an aircraft from the broadcasting facility.

Day-Night Noise Level. The daily average noise metric in which noise occurring between 10:00 p.m. and 7:00 a.m. is penalized by 10 db. DNL is often expressed as annual average noise levels.

Federal Aviation Regulations. The rules and regulations that govern the operation of aircraft, airways, airmen, and airports.

Fixed Based Operator. A facility on an airport providing various services for aircraft such as maintenance, fuel, storage, etc.

Fleet Mix. The mix or differing aircraft types operated at a particular airport or by an airline.

Flight Plan. Specific information related to the intended flight of an aircraft, filed with a Flight Service Station or Air Traffic Control facility.

General Aviation. Civil aviation excluding air carriers, commercial operations, and military aircraft.

Glide Slope. An angle of approach to a runway established by means of airborne instruments during instrument approaches, or visual ground aids for the visual portion of an instrument approach and landing.

Global Positioning System. A satellite-based radio positioning, navigation, and time-transfer system.

High Intensity Runway Lights. High intensity light fixtures delineating the limits of a runway served by a precision instrument approach procedure.

Instrument Approach. A series of predetermined maneuvers developed for the orderly transfer of aircraft under instrument flight conditions, from the beginning of the initial approach to a landing, or to a point from which a landing may be made visually.

Instrument Flight Procedure. Procedures developed by the FAA to guide aircraft to airports including distance, topography, elevation, coordinates, angle of approach, and missed approach procedures.

Instrument Flight Rules. Rules specified by the FAA for the flight under weather conditions in which visual reference cannot be made to the ground and the pilot must rely on instruments to fly and navigate.

Instrument Landing System. A precision instrument approach system that normally consists of a localizer antenna, glide slope antenna, outer marker, middle marker, and ad approach lighting system.

Instrument Meteorological Conditions. Weather conditions that require that pilots rely primarily on instrumentation for navigation under IFR, rather than by visual reference and VFR.

Itinerant Operation. An aircraft landing or takeoff that originates at one airport and terminates at another (place-to-place).

Knots. A measure of speed used in navigation. One knot is equal to one nautical mile per hour (1.15 knots – 1 mile per hour).

Landing Minimums. Prescribed altitudes and visibility distances that the pilot uses to make a decision as to whether or not it is safe to land on a particular runway.

Local Operation. An aircraft landing or takeoff that remains in the local traffic pattern (i.e. training or touch-and-go operation).

Level of Service. A measure that determines the quality of service provided by transportation devices, or transportation infrastructure, and is generally linked to time and speed of the vehicles.

Low Intensity Runway Lights. Low intensity light fixtures delineating the limits of a runway having no instrument approach procedures.

Load Factor. The percentage of seats occupied on an aircraft by passengers.

Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights. A medium intensity approach lighting system providing a visual lighting path for landing pilots, consisting of nine light bars with five steady burning white fixtures, five sequential flashing white fixtures, and a threshold bar of 18 steady burning green fixtures.

Medium Intensity Runway Lights. Medium intensity light fixtures delineating the limits of a runway supplied with a non-precision instrument approach procedure.

Middle Marker. A beacon that defines a point along the glide slope of an Instrument Landing System, normally located at or near the point of decision height.

Missed Approach. An instrument approach not completed by a landing. This may be due to visual contact not established at authorized minimums or instructions from air traffic control, or other reasons.

National Ambient Air Quality Standards. Standards established by the United States Environmental Protection Agency for six outdoor air pollutants considered harmful to the public health and the environment.

National Airspace System. The common network of U.S. airspace, air navigation facilities, equipment and services, airports or landing areas, aeronautical charts, information and services, rules, regulations and procedures, technical information, manpower, and material.

National Plan of Integrated Airport Systems. Established by the Airport and Airway Improvement Act of 1982, it is the identification of national airport system needs including short- and long-term development costs.

Nautical Mile. A measure of distance used in air and sea navigation. One nautical mile is equal to the length of one minute of latitude along the Earth's equator, officially set as 6,076.115 feet.

NAVAID. Any facility providing assistance or aid to pilots for navigating through the air.

Noise Contour. The "map" of noise exposure around an airport, computed by the Integrated Noise Model. The FAA defines significant noise exposure as any area within the 65 DNL contour, which is the area within an annual average noise exposure of 65 decibels or higher.

Non-Directional Beacon. A NAVAID providing signals that can be read by pilots of aircraft equipped with direction finding equipment, used to determine bearing and can "home" in or track to or from the desired point.

Non-Precision Approach. A standard instrument approach procedure in which no vertical guidance is provided.

Omnidirectional Approach Lighting System. An approach lighting system consisting of five sequential flashing omnidirectional lights extended along the runway centerline and two located on either side of the runway threshold.

Outer Marker. A navigational facility within the terminal area navigational system located four to seven miles from the runway threshold on the extended centerline indicating the beginning of the final approach.

Precision Approach Path Indicator. A visual navigational aid providing guidance information to help pilots acquire and maintain the correct approach (in the vertical plane) to a runway.

Runway. A strip of pavement, land, or water used by aircraft for takeoff or landing.

Runway Object Free Area. A defined two-dimensional surface centered on a runway providing enhanced safety for aircraft operations by having the area free of objects protruding above the runway safety area edge elevation, except for objects that need to be located within the area for air navigation or aircraft ground maneuvering purposes.

Runway Safety Area. A defined surface surrounding a runway prepared or suitable for reducing the risk or damage to aircraft in the event of an undershoot, overshoot, or excursion from the runway.

Runway Visual Range. Facilities providing a measurement of horizontal visibility located adjacent to instrument runways.

Single Event. Noise generated by a single aircraft overflight.

Tactical Air Navigation. An enroute NAVAID combining azimuth and distance measuring equipment into one unit and operated in the ultra-high frequency band.

Taxiway. A designated area that connects runways with aprons, providing the ability to move aircraft on the ground so they will not interfere with takeoffs or landings.

Terminal Airspace. The airspace controlled by a terminal radar approach control facility.

Terminal Area. A general term used to describe airspace in which approach control service or airport traffic control service is provided.

Terminal Radar Approach Control. An FAA air traffic control service to aircraft arriving, departing, or transiting airspace controlled the facility.

Transient Aircraft. An aircraft that is not based at the airport in which it is currently located.

Very High Frequency Omnidirectional Range. A ground based electronic navigation aid transmitting navigation signals for 360° oriented from magnetic north.

Very High Frequency Omnidirectional Range/Tactical Air Navigation. A ground based electronic navigation aid providing VOR azimuth, TACAN azimuth, and TACAN distance measuring equipment at a single site.

Visual Approach. An aircraft approach conducted under IFR, which authorizes the pilot to proceed visually and clear of clouds to the airport. The pilot must, at all times, have either the airport or the preceding aircraft in sight.

Visual Flight Rules. Rules that govern the procedures for conducting flight under visual meteorological conditions.

Visual Meteorological Conditions. Weather conditions under which pilots have the ability to visually see and avoid stationary objects and other aircraft and fly without the use of instrumentation, under VFR.