



# MSP 2040 Long Term Comprehensive Plan

Transportation Advisory Board



February 2024

[metro council.org](https://metro council.org)

# Met Council's Role in Aviation



## Minnesota Statute 473.165 & 473.611

- Not federally mandated, state statute tasks the Council to plan for the regional aviation system
- State statute requires regional airports to produce and update Long Term Comprehensive Plans
- LTCPs outline planned airport activity (passengers and operations) and conceptual planned investments
  - Data baseline of study start (2018) with planning to 2040
  - Considers high level environmental impacts
  - Implementation and estimated capital costs

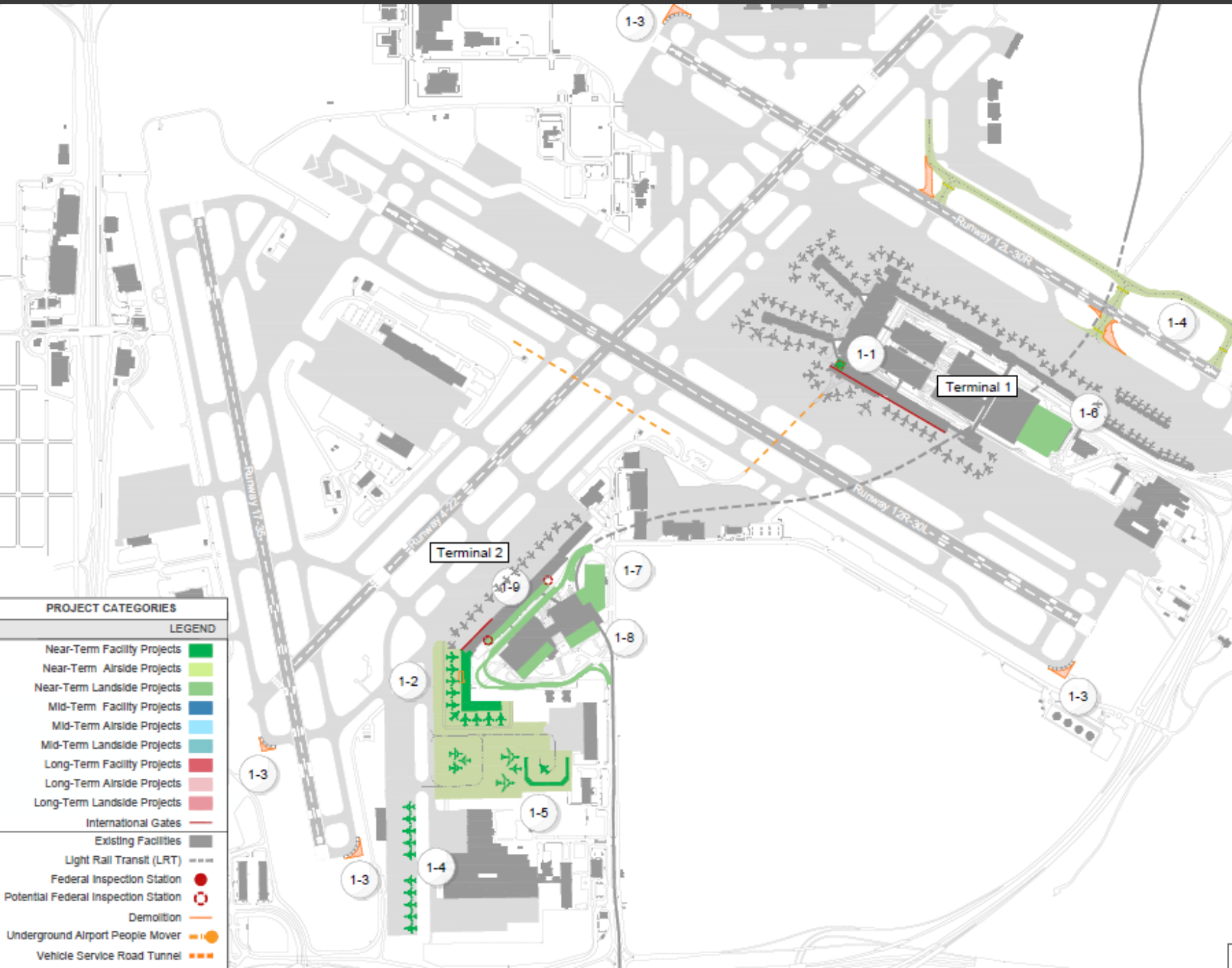
# MSP 2040 LTCP: Activity Forecasts



## Forecasts

- Activity forecasts major component of LTCPs – dictate future facility needs
- Covid was a major disruptor of airports in 2020 – effects still lingering
- Revised forecasts (2040 numbers unchanged from original forecasts)
  - 28.1 million enplanements by 2040 (19.8 million in 2019)
  - 401,000 tons of cargo by 2040 (252,100 in 2019)
  - 510,000 aircraft operations by 2040 (411,000 in 2019 – 543,000 in 2005 historic peak)

# Preferred Alternative, Near-Term Projects



## Planned Facilities

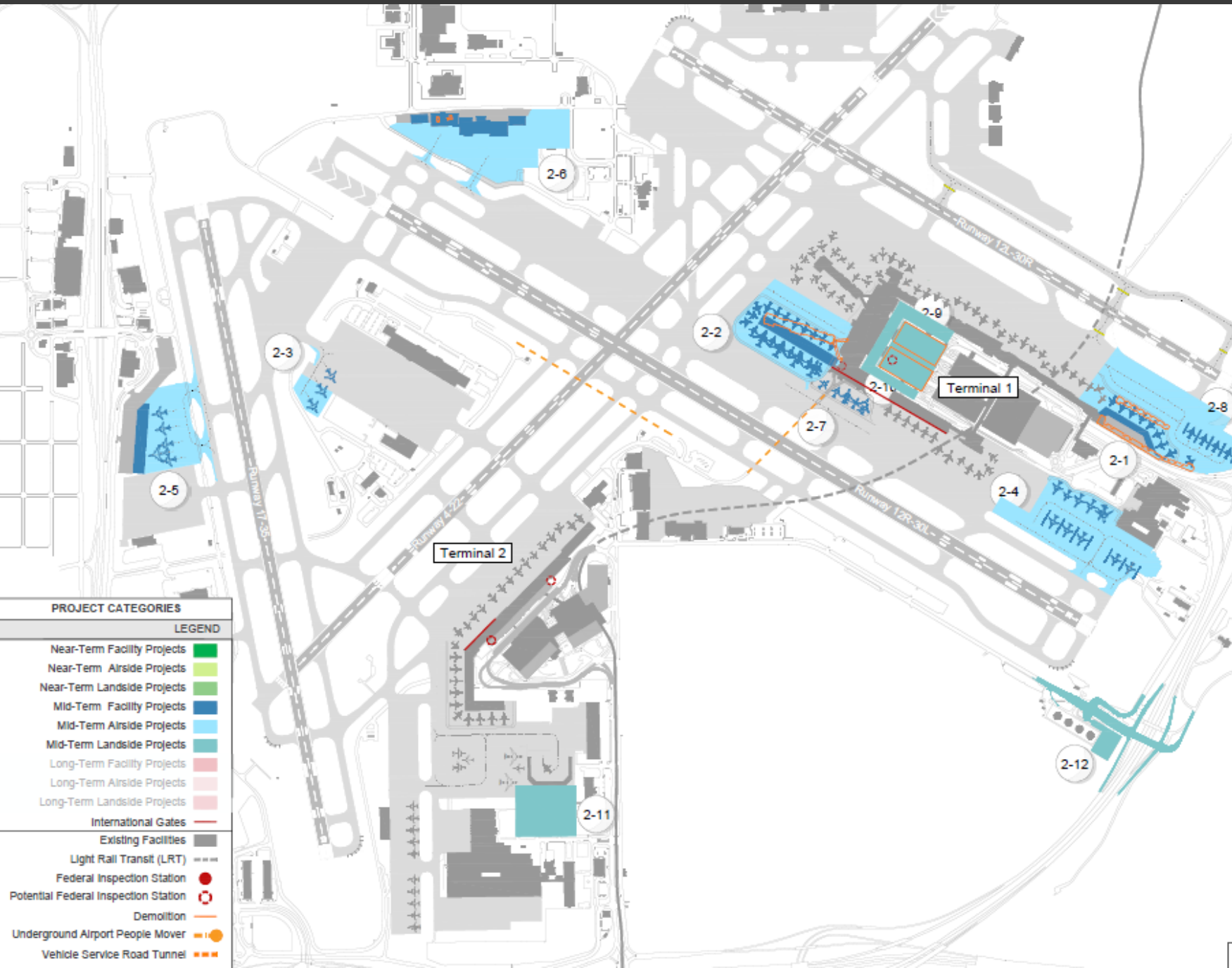
To accommodate forecast growth, plan outlines facility needs through 2040

- Split between landside (terminals & support facilities) & airside (airfield & support facilities)

Major projects (with potential regional considerations)

- Near-term (1-5 years):
  - Terminal 2 expansion (11 gates) and curb front improvements (1-2 & 1-9) – increase in terminal capacity & circulation
  - US Postal Service redevelopment (1-6) – increase in parking capacity at T1 (~3,200 spaces)
  - Orange Ramp expansion (1-7 & 1-8) – impacts/benefits for LRT station + ~2,900 additional parking spaces

# Preferred Alternative, Mid-Term Projects

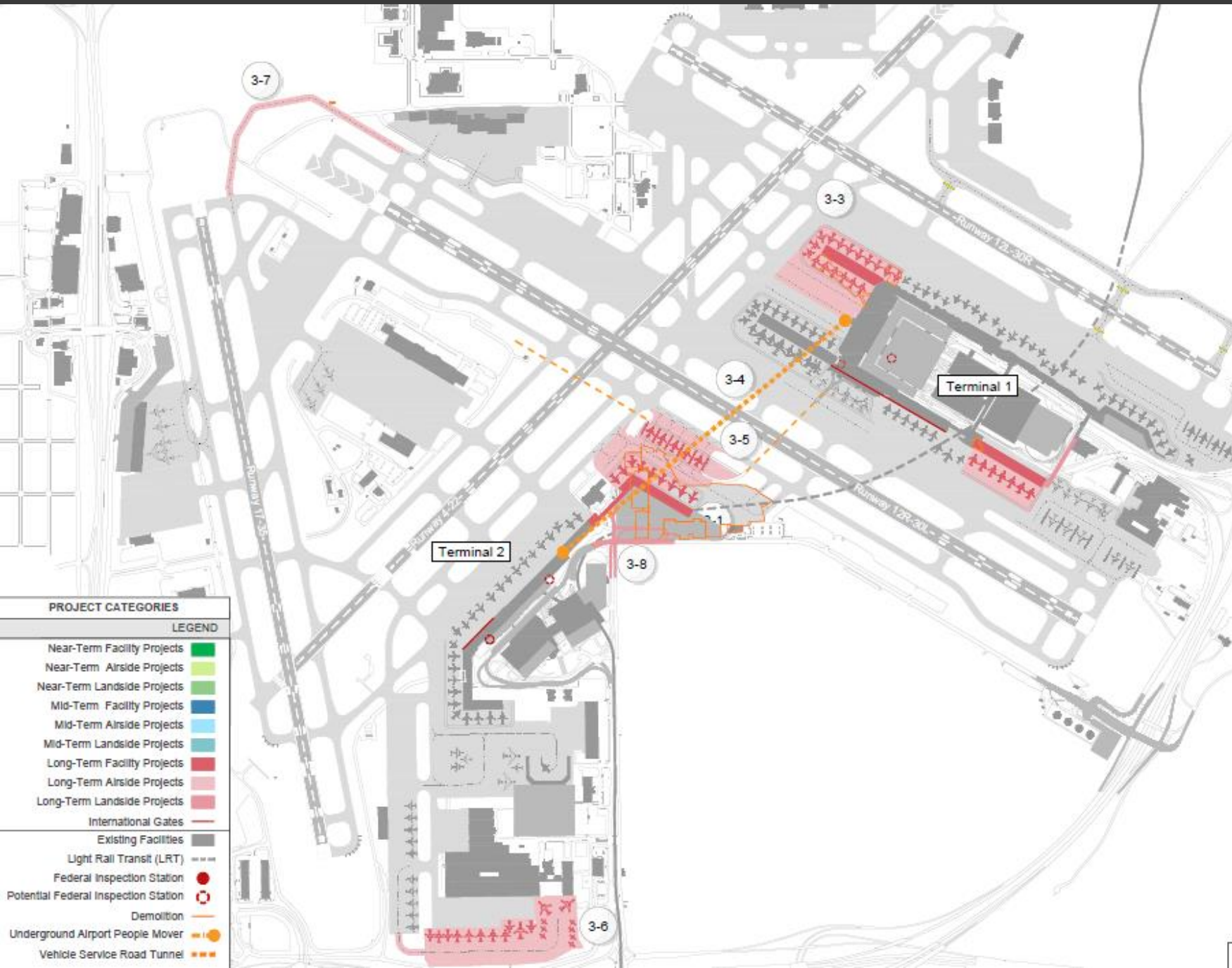


## Planned Facilities

Major projects (with potential regional considerations)

- Mid-term (6-10 years):
  - Cargo expansion (2-5) – 100,000+ sq ft for new Amazon cargo facility with access off of Longfellow/TH 77
  - TH 5/Post Rd interchange (2-12) – reconstruction of existing interchange, realignment of access roads
  - FBO move (2-6) – fixed based operator facility (GA + air taxi ~20,000 operations annually) to north, new access off of 28<sup>th</sup> Ave/TH 62 interchange

# Preferred Alternative, Long-Term Projects



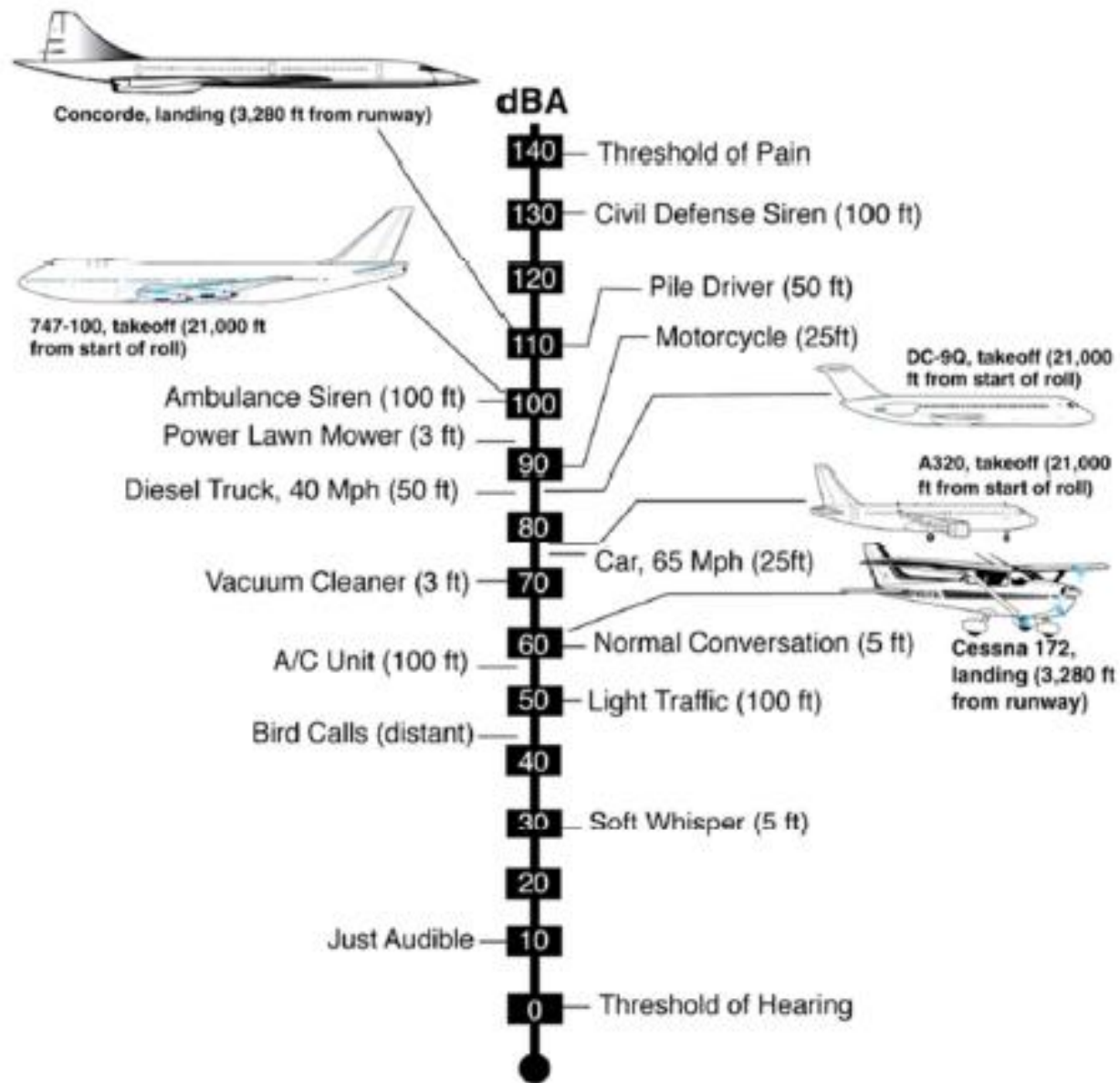
## Planned Facilities

Major projects (with potential regional considerations)

- Long-term (10+ years):
  - Full build T2 expansion (3-5) – 9 additional gates to fill out T2 (total 35, existing 16)
  - 34<sup>th</sup> Ave/70<sup>th</sup> St reconstruction (3-8) – reconstructing intersection to improve capacity/operations for vehicles entering terminal 2
  - Airside terminal connection (3-4) – planning a tram connection behind security, could impact LRT operations between terminals (mainly need for overnight service)

# MSP 2040 LTCP: Noise Considerations

Exhibit 5-2: Sound Levels of Typical Noise Sources



## Aircraft Noise Impacts

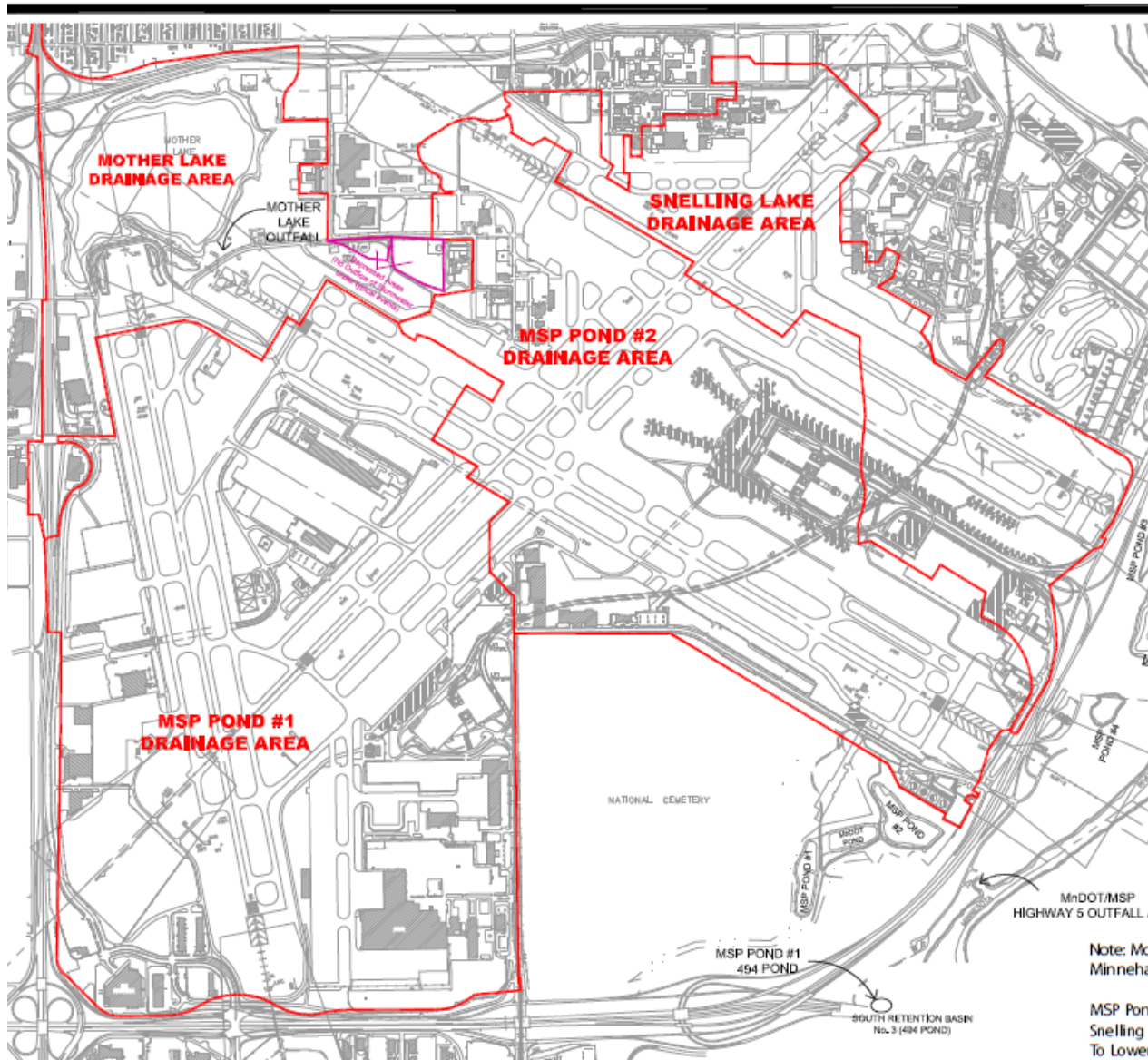
- Noise impacts are a major component of environmental considerations
- MAC creates projected and annual noise contours of impacts to surrounding communities from aircraft operations
- Noise impacts are measured by DNL – Day-Night Average Sound Level
  - Main metric with which to measure land use compatibility
  - Measure reflects a person's cumulative exposure to sound over a 24-hour period
  - The Council has compatibility guidelines for what is considered prohibitive sound impacts for residential development

# MSP 2040 LTCP: Environmental Considerations

## Environmental Impacts

Direct environmental impacts included but not studied in-depth. Future impacts to be assessed in upcoming environmental review for the preferred alternative (EA/EAW)

- Water Use
- Stormwater
- Solid Waste
- Wastewater
- Air Quality/Emissions





# MSP 2040 LTCP: Sustainability



## Sustainability Targets

- MAC set sustainability targets for MSP facilities
  - Reduce GHG emissions 80% by 2030
  - Reduce water usage per passenger 15% by 2030
  - Divert 75% of solid waste away from landfills
- Delta has set sustainability targets which will impact MSP
  - Delta and Greater MSP have established MSP as a Sustainable Aviation Fuel (SAF) hub. SAF can reduce carbon emissions by up to 85%.
    - 35% of all aviation fuel by 2035 (higher at MSP hub)
  - Ground service vehicle electrification.
    - 50% EV by 2025

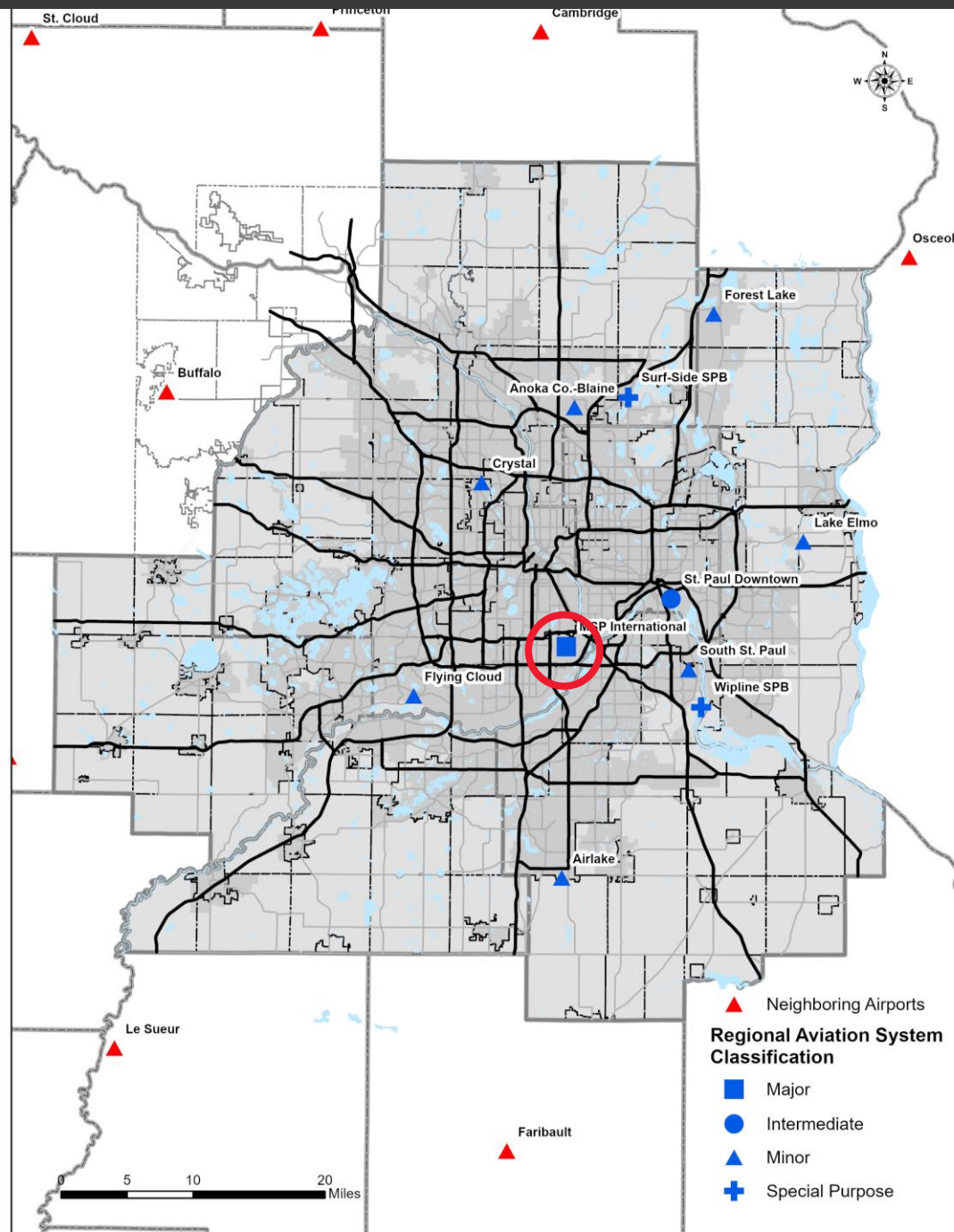
# MSP 2040 LTCP: Engagement



## 27 total public meetings held to date

- Engagement meetings held from early 2019 to late 2023 – paused due to COVID from early 2020 to late 2021
- Noise Oversight Committee: 6 meetings
- Planning, Development & Environment Committee: 4 meetings
- Stakeholder Advisory Panel: 6 meetings
- Experience MSP Public Events: 4 meetings
- City of Minneapolis: 3 meetings
- Met Council: 3 meetings (prior to consistency review)
- 60-day Public Comment period: June 21st – August 21st 2023
  - 139 total comments received
  - Met Council staff comments

# MSP 2040 LTCP: Regional Policy

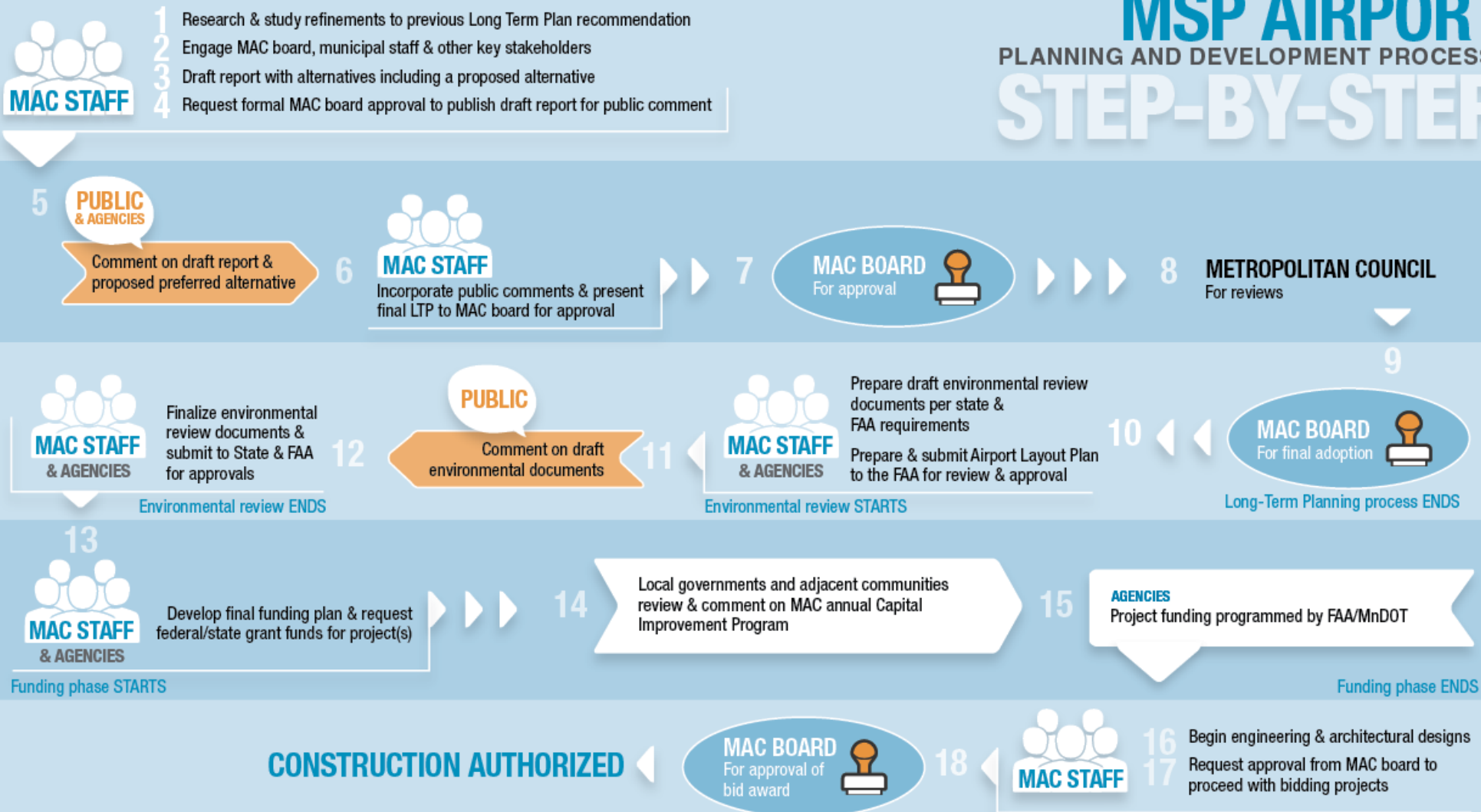


## Relationship to Regional Policy

- LTCP's are used as a basic input to the Council plans and policies
- Relationship to TPP
  - MSP is classified as a Major Airport in the system – no change
  - No significant airside improvements and targeted landside improvements – potential impacts to regional systems noted by council staff to be analyzed in follow up studies
  - Addresses required elements from Appendix K
- Relationship to Regional Development Guide
  - Policy direction - Create consistent, compatible, and coordinated local comp plans
  - Prosperity Outcome - Plan and invest in infrastructure, amenities and quality of life for regional economic competitiveness

# MSP 2040 LTCP: Looking Forward

## MSP AIRPORT PLANNING AND DEVELOPMENT PROCESS STEP-BY-STEP



## Next Steps

- Metropolitan Council Formal Review\*
- MAC Board Final Adoption of LTCP\*
- Environmental Review\*
- Airport Layout Plan (ALP)
  - Reviewed/Approved by FAA
- Grant Programming/Funding
- Project Engineering/Design
- MAC Board approval of Bid Awards\*

\* Denotes processes that provide additional opportunities for public input

# Requested Action



## To find that:

the final Draft MSP International Airport 2040 LTCP has a multi-city impact as well as conforms to the Council systems and is consistent with Council policies

Thank you

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