



# TXDOT HIGH MAST LIGHTING I-14 AGREEMENT

RS-25-056

April 15, 2025

# Background

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- The Texas Department of Transportation (TxDOT) has proposed an agreement with City of Killeen (COK) for construction, maintenance, and operation of a continuous highway lighting system along the Interstate 14 corridor.
  - ▣ From SS 172 (western City limits) to just east of Jasper Drive.
  - ▣ Consist of 14 High Mast Lights and four (4) electrical service ports.
- Per agreement, TxDOT will prepare specifications, advertise for bids, award construction contract, and supervise the project during construction.
  - ▣ All cost associated with this portion will be the responsibility of the state.

# Background Cont.

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- Responsibilities for COK will include the following:
  - ▣ The electrical energy required for proper operation of the lighting system; and
  - ▣ Maintain and operate the lighting system in an efficient and sightly condition.
    - Maintenance and operations can be handled inhouse or by an approved contractor.
- COK will assume operations and maintenance of the system upon written notification from the State that the lighting system is complete and accepted.
  - ▣ Agreement will be for a period of two years and will auto-renew for two-year intervals unless modified by mutual agreement of both parties.

# High Mast Lighting Locations

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14 High Mast Lights with 4 electrical ports from SS 172 to Jasper Drive

# Advantages of High Mast Lighting

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- ❑ Improved Visibility and Safety
  - ▣ Uniform illumination – with elevated placement there is a more uniform and wider area of illumination improving visibility for drivers; translating to fewer accidents and improved overall road safety.
- ❑ Safer Maintenance
  - ▣ Safe work environment – designed for easier maintenance, workers are able to access the lights without closing lanes of traffic.
  - ▣ Reduced risk of collisions – high mast poles can be placed further away from the edge of the pavement.

# Advantages cont.

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- High mast lighting is recommended for most urban interchanges that qualify for complete interchange lighting and for tangent sections of freeways with initial average daily traffic (ADT) of 70,000 or greater where lane closure would be necessary for maintenance where traffic flow disruptions would occur during such closures.

# High Mast Lights

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# Recommendation

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- ❑ Authorize the City Manager, or designee, to execute the Agreement for Construction, Maintenance, and Operation of Continuous Highway Lighting Systems Within a Municipality with the Texas Department of Transportation for the operation and maintenance of high mast lighting along the I-14 corridor.