


TxDOT Highway Lighting Agreement

City Council

July 18, 2017





TxDOT & 35 Express

Nearing completion of portion of 35Express project in Denton

- Highway lighting will be installed in August 2017
- TxDOT needs a decision on type of lighting
- City staff has calculated estimated costs for lighting
- Legal staff has prepared draft agreements



Safety vs. Continuous

Safety Lighting

- Required to be installed
- 114 lamps
- 56 wallpacks
- Paid by TxDOT
- Estimated \$10,500 per year to operate

Continuous Lighting

- Not required
- 278 lamps
- 56 wallpacks
- Paid by City of Denton
- Estimated \$20,600 per year to operate



TxDOT Highway Illumination Manual

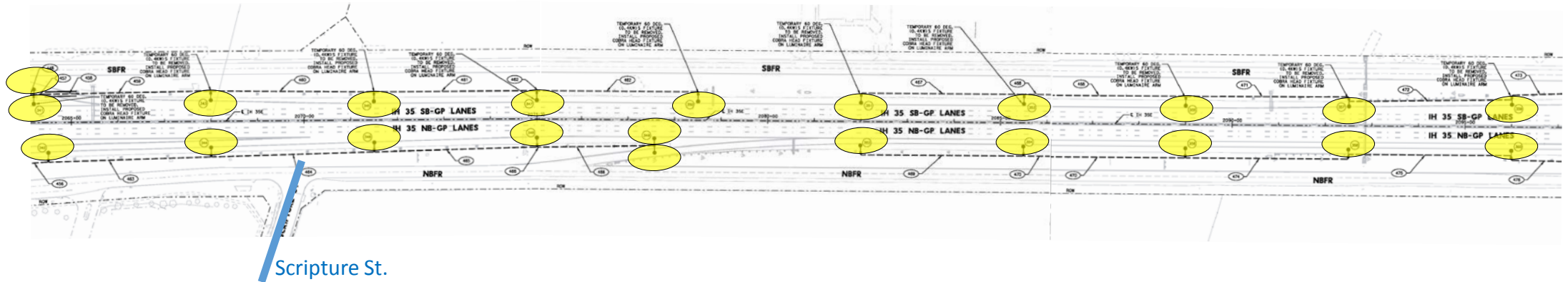
Safety Lighting

- Requires lighting to be installed at:
 - Interchanges
 - Intersections
 - Other points of nighttime hazard

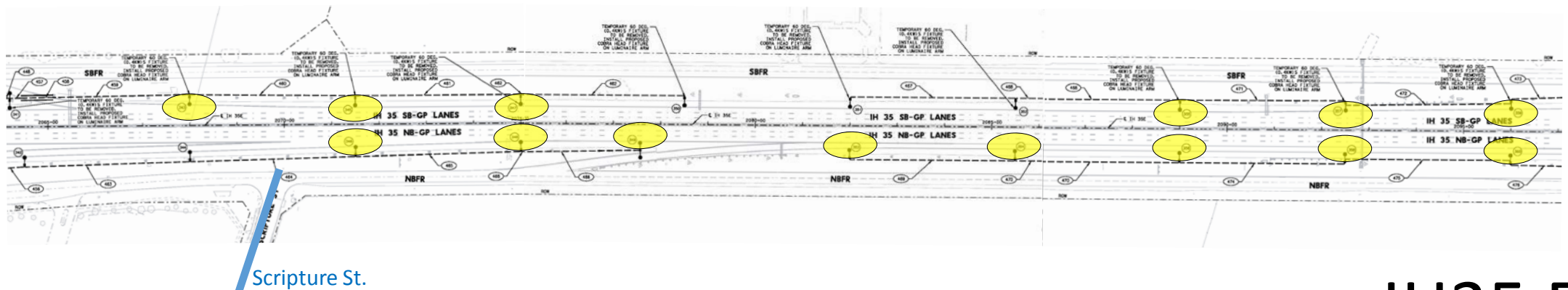
Continuous Lighting

- Provides uniform illumination on:
 - All main lanes
 - All direct connections
- Complete lighting for all interchanges

Continuous

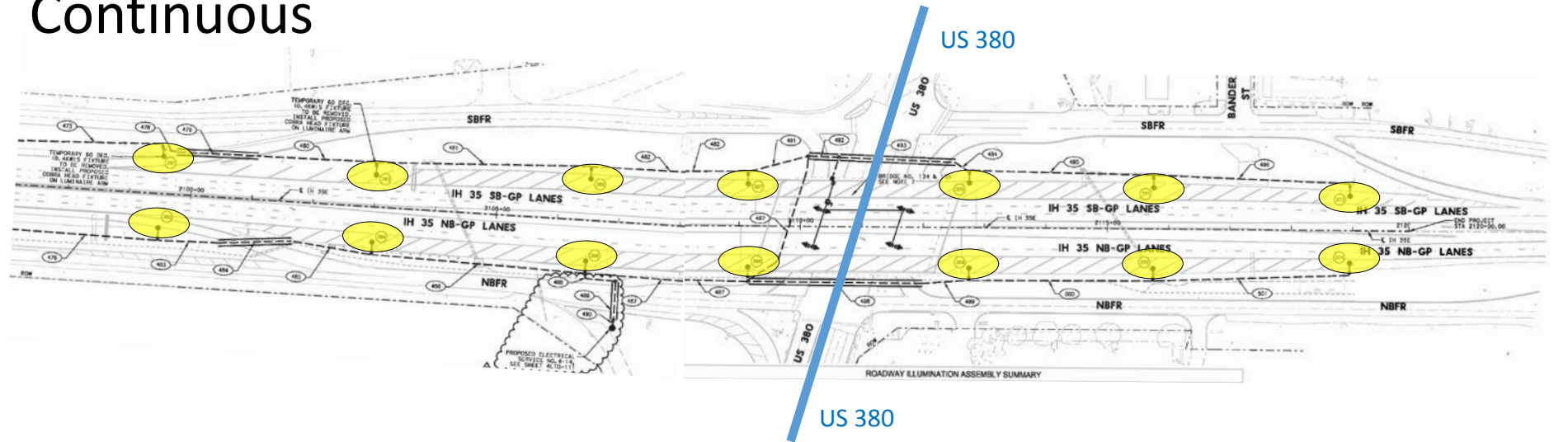


Safety

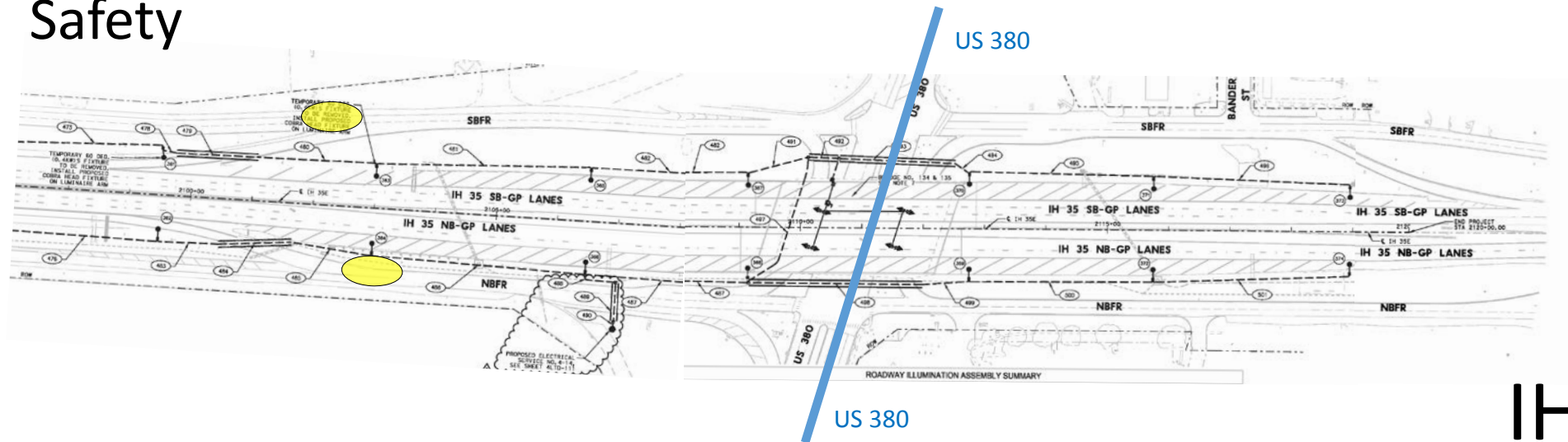


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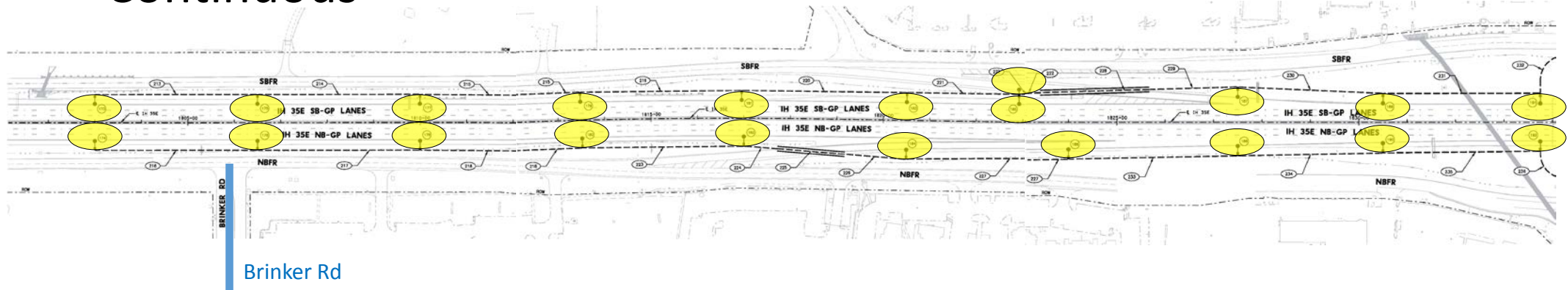


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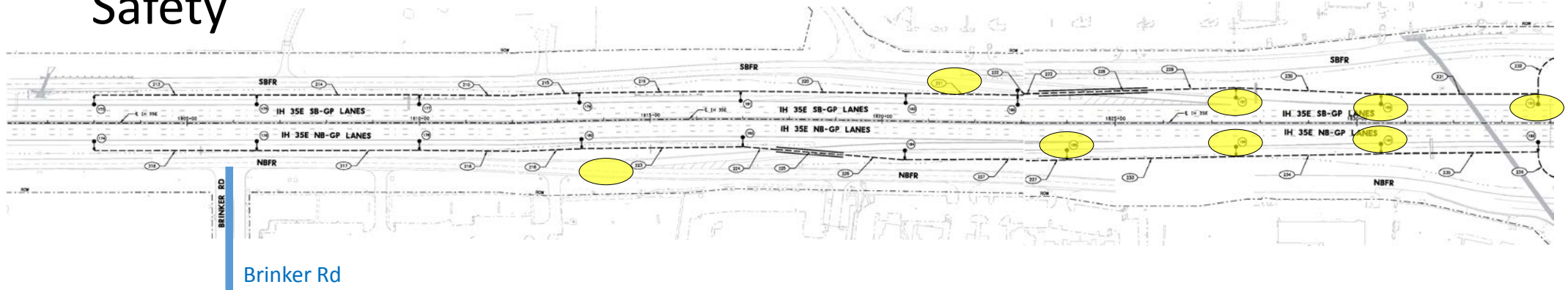


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Continuous



Safety



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Safety vs. Continuous

Safety Lighting

Estimated savings of \$20,600 per year as compared to continuous lighting

Continuous Lighting

- Safer driving conditions
 - Increase nighttime visibility
 - Lower night-to-day accident ratio
- Cities South of Denton have chosen continuous lighting
- Additional visibility for law enforcement personnel and highway work

Recommendation

Option 1:

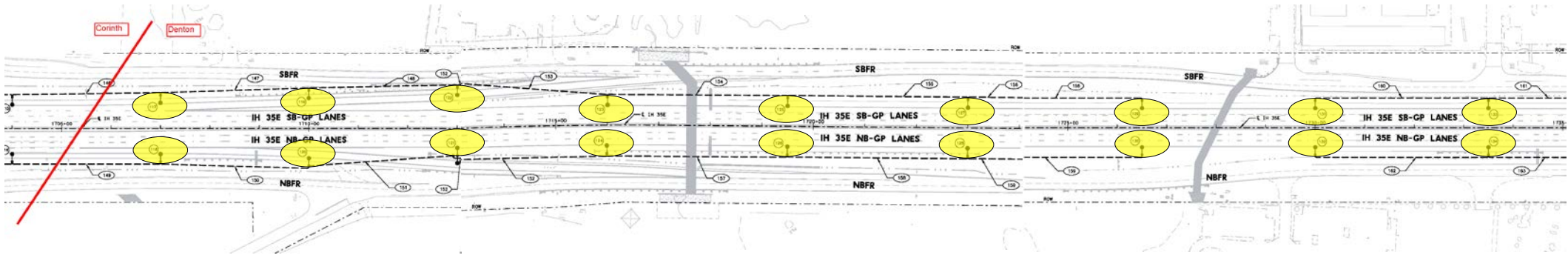
Approve the continuous lighting agreement as recommended by the Public Utilities Board (7/10).

Option 2:

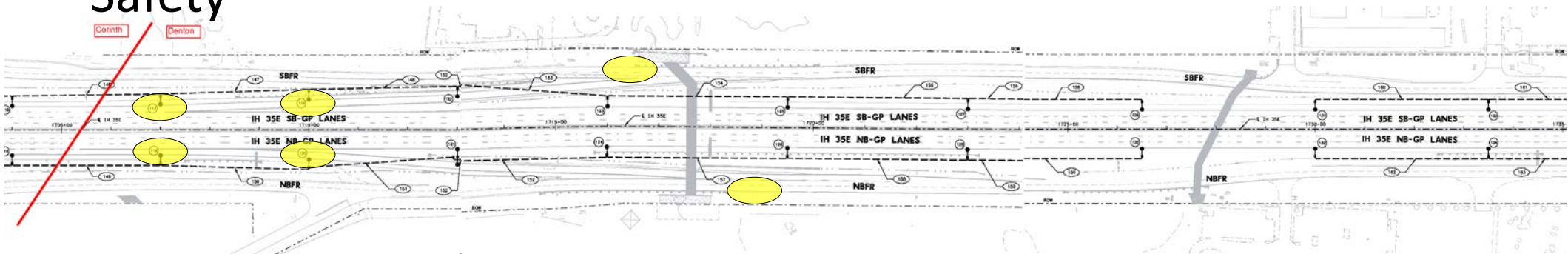
Approve the safety lighting agreement.



Continuous

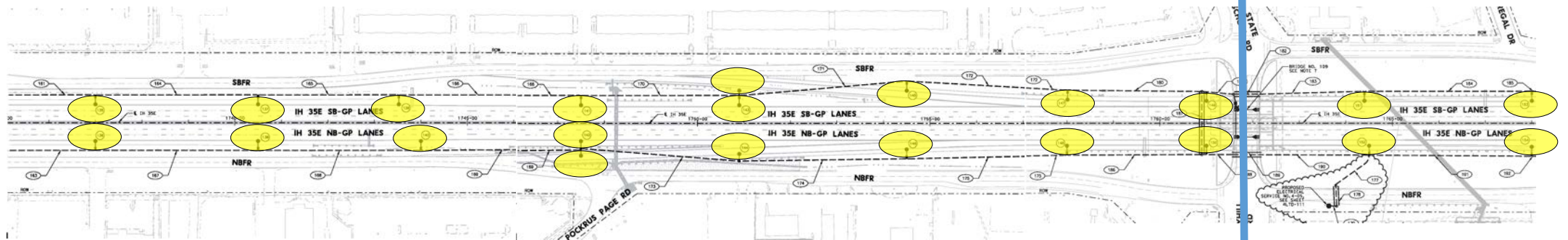


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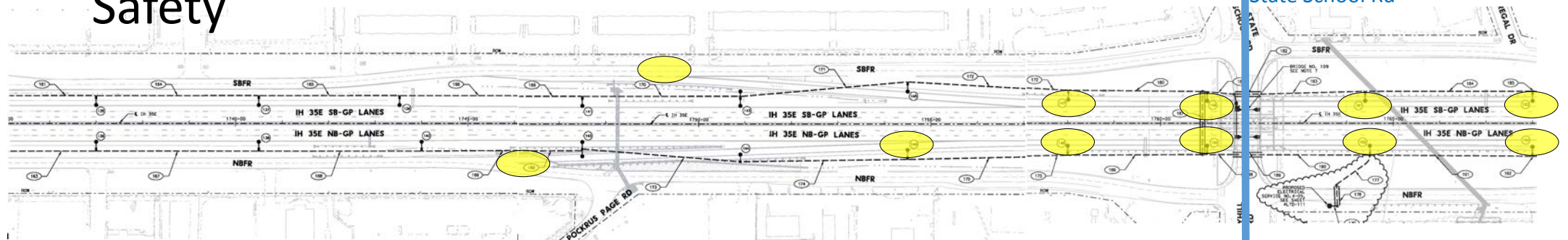


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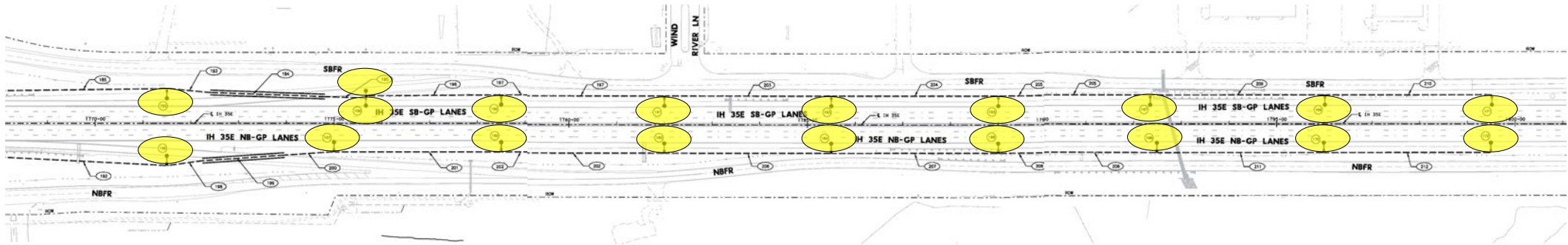


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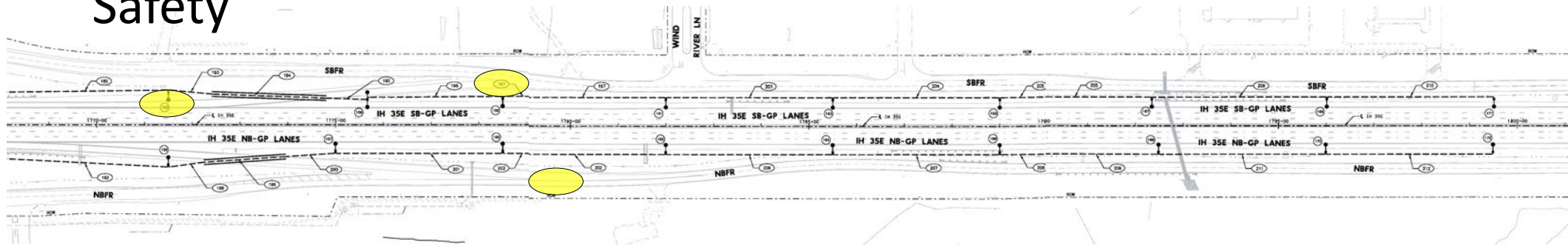


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Continuous



Safety



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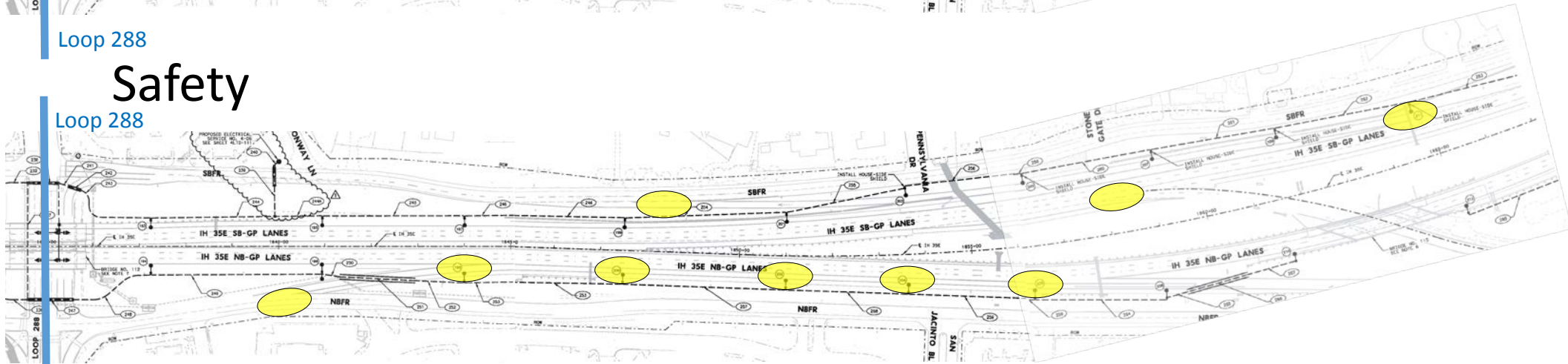
Loop 288



Loop 288

Safety

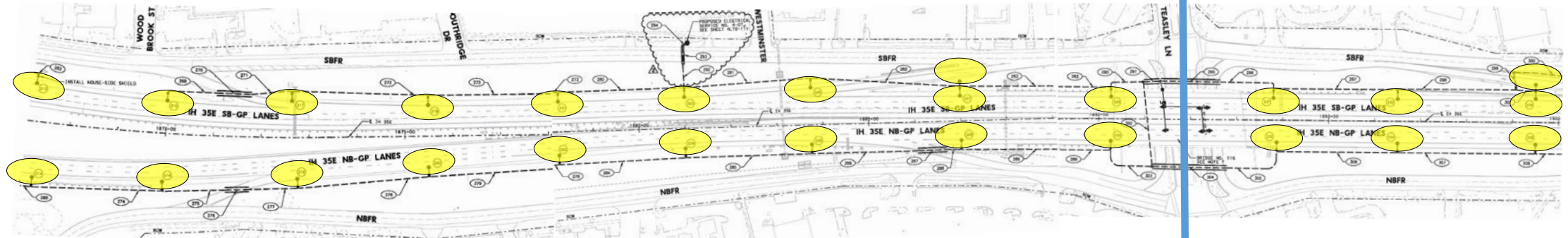
Loop 288



Loop 288

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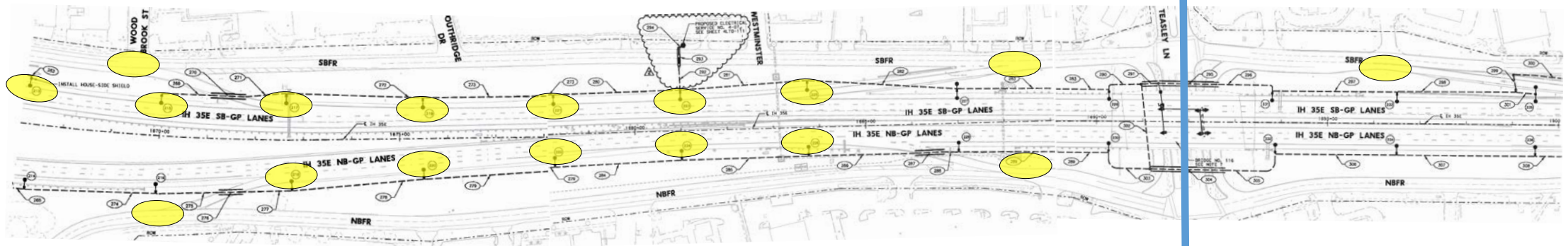
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Teasley Ln

Teasley Ln

Safety

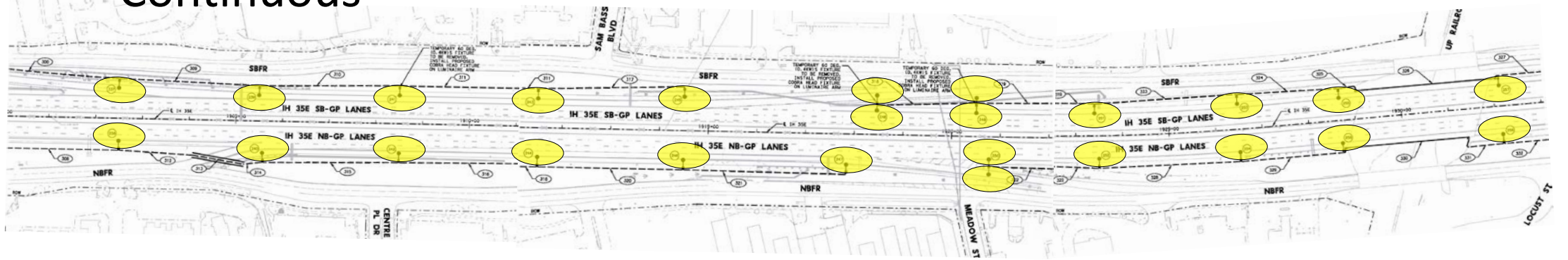


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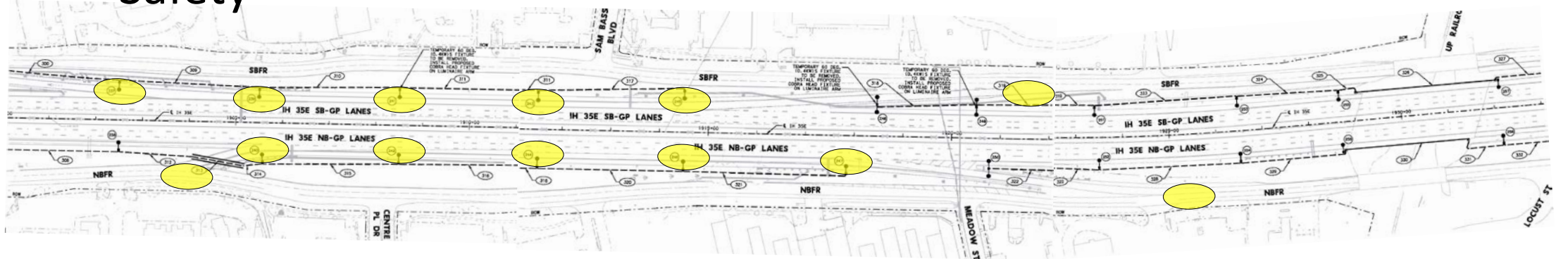
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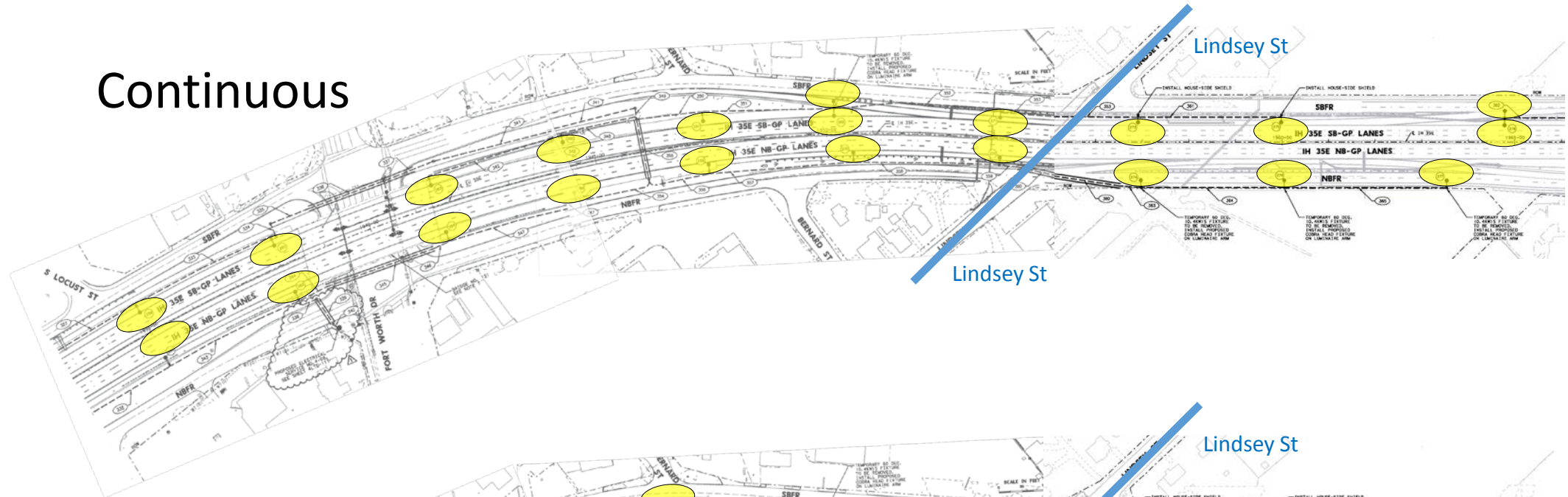


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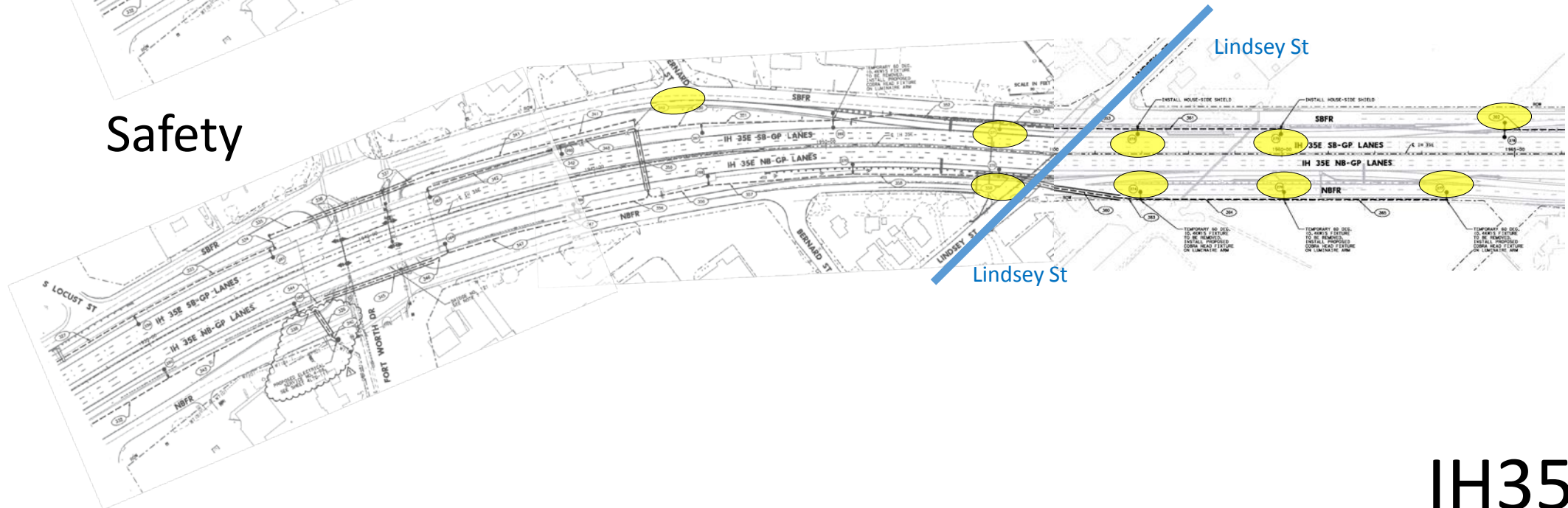


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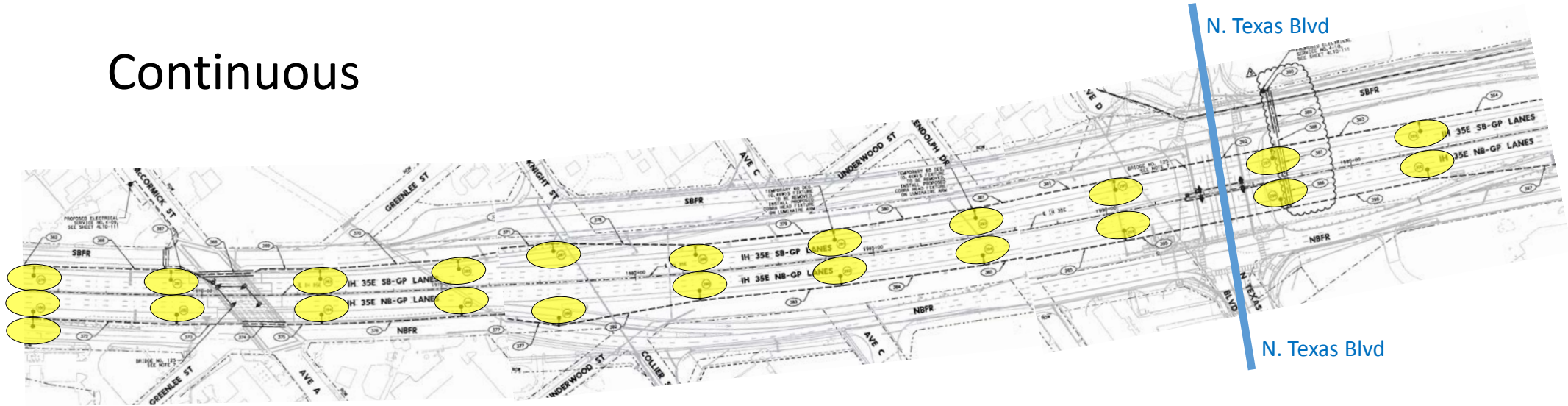


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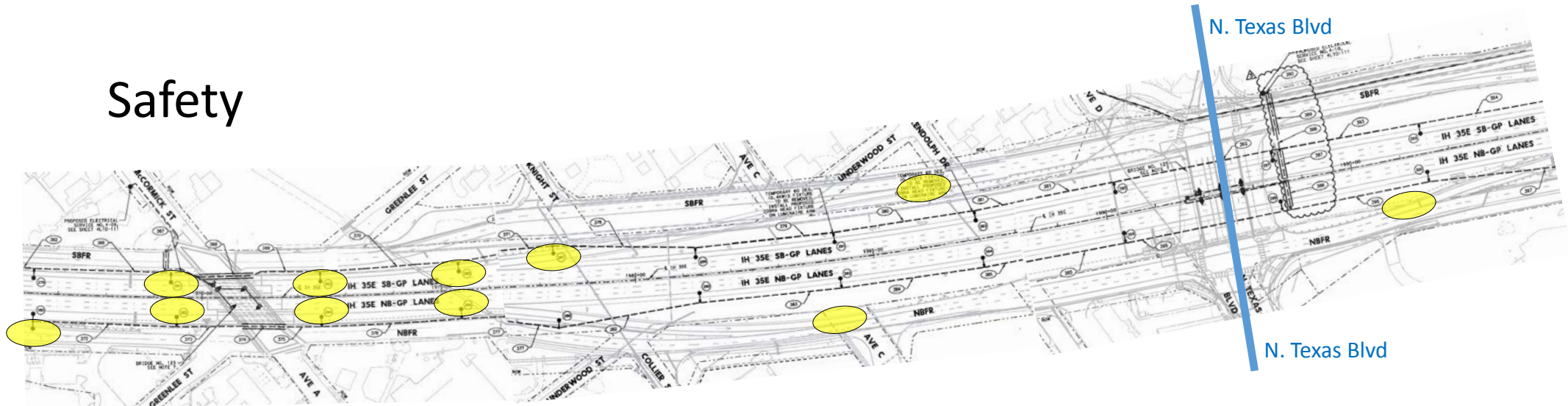


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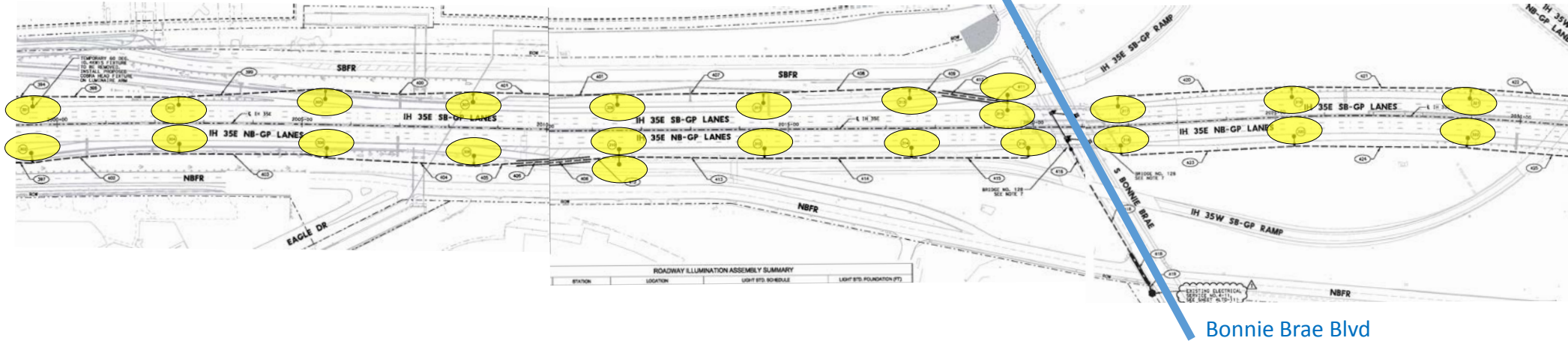


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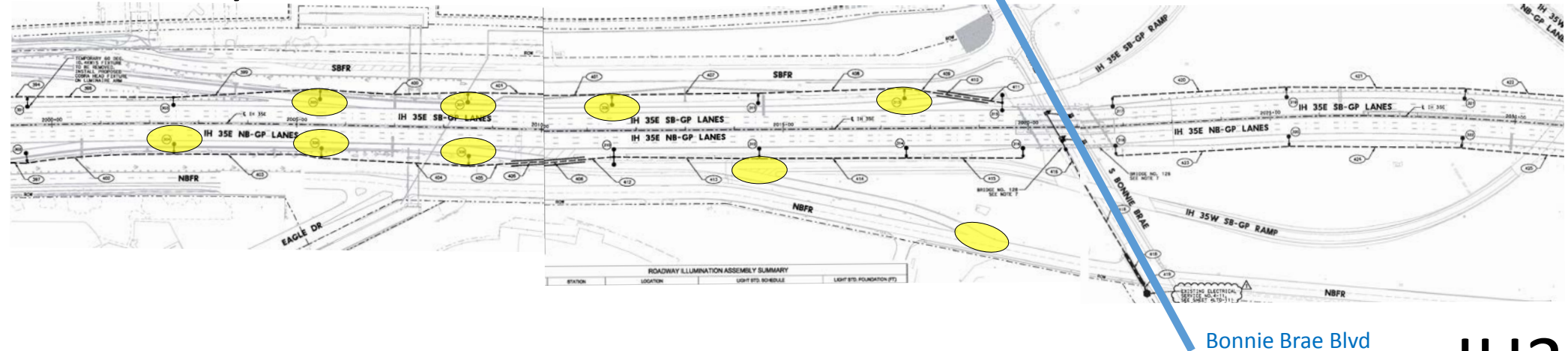


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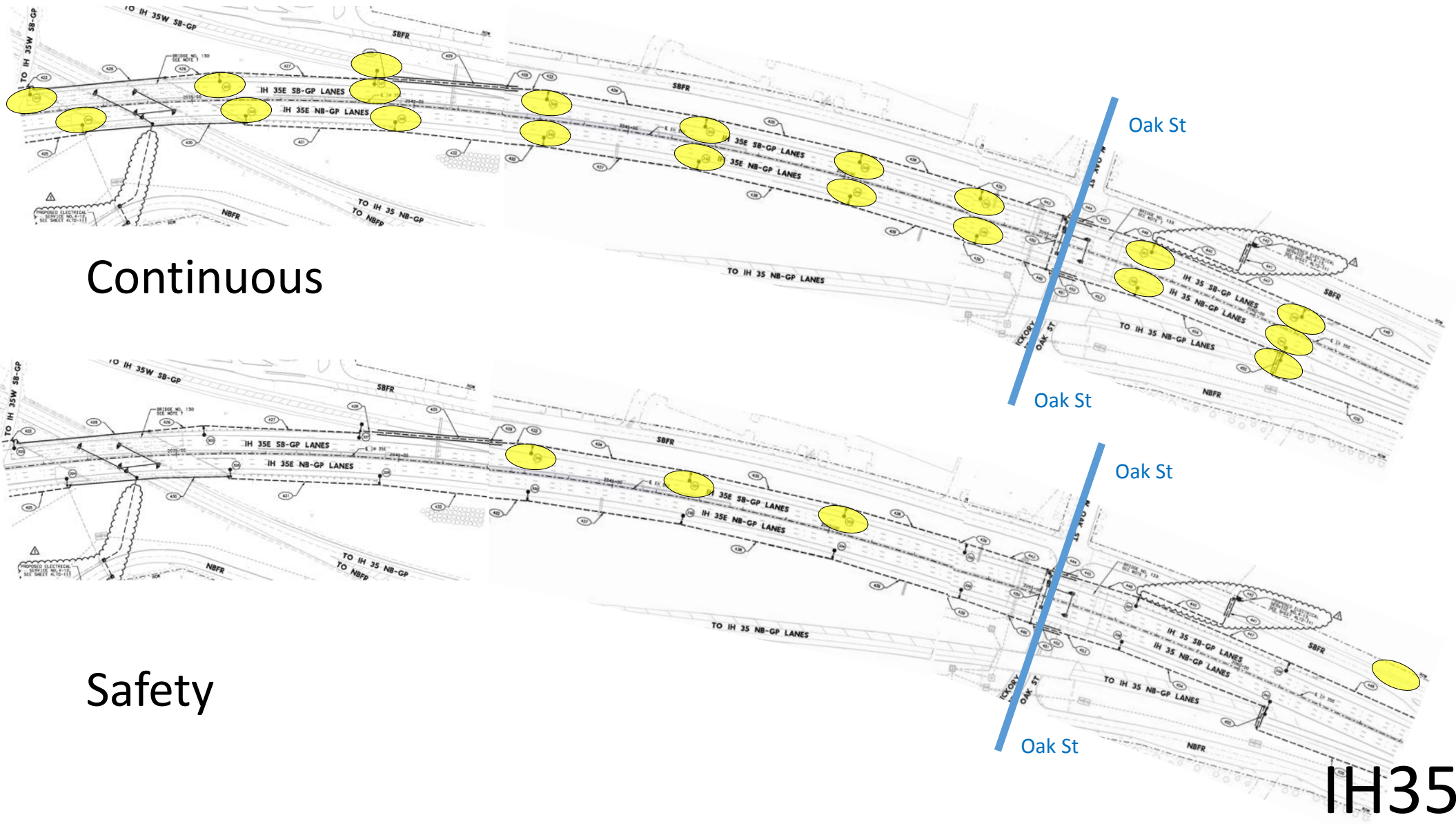
Continuous



Safety



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