

TEAC Committee ComEd Supplemental Projects

June 2, 2020

Solutions

Stakeholders must submit any comments within 10 days of this meeting in order to provide time necessary to consider these comments prior to the next phase of the M-3 process

Need Number: ComEd-2020-004

Process Stage: Solutions Meeting June 2, 2020

Previously Presented: Need Meeting April 14, 2020

Project Driver:

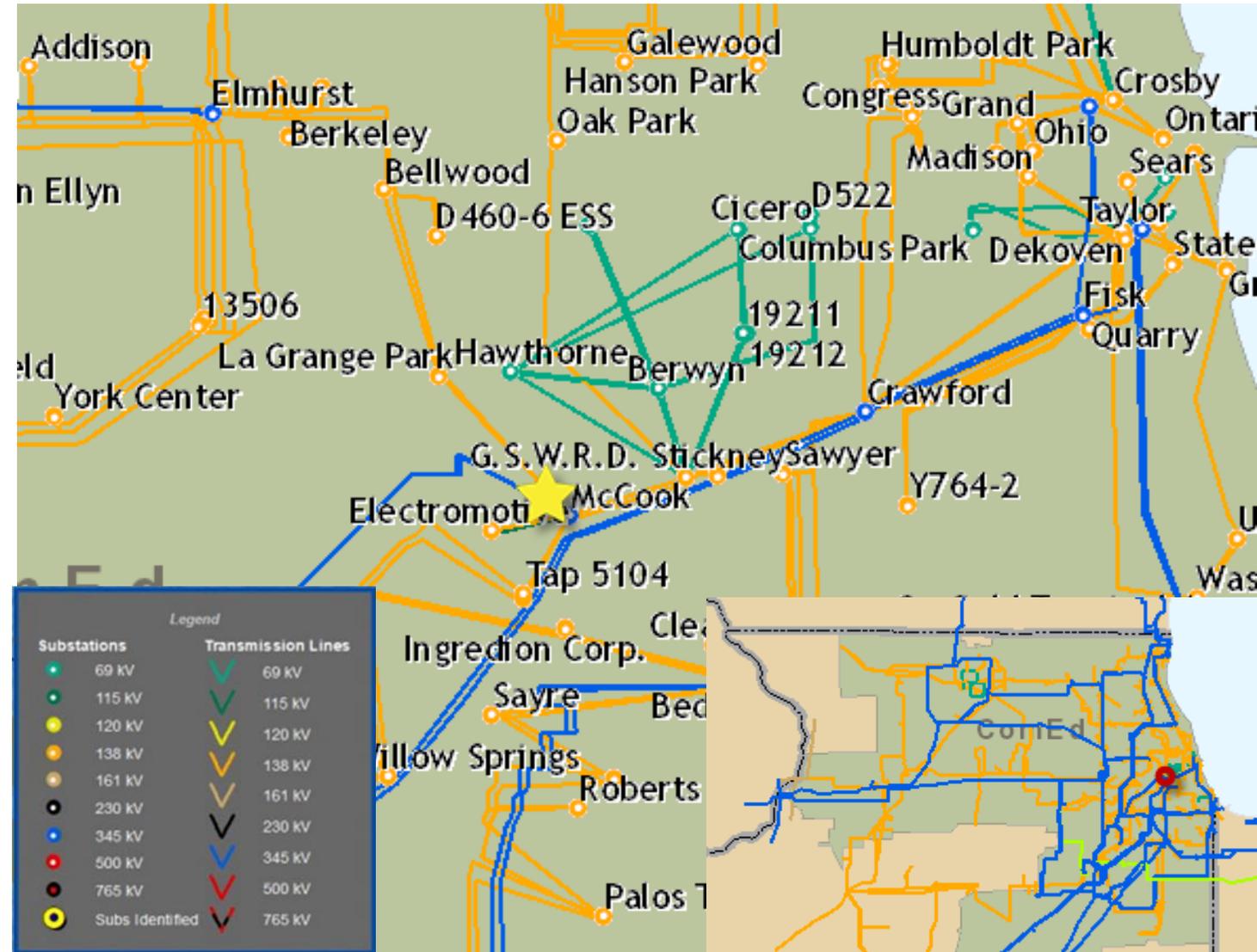
- Operational Flexibility and Efficiency

Specific Assumption References:

- Internal and/or regulatory design guidelines or PJM minimum design standards
- Enhancing system functionality, flexibility, or operability

Problem Statement:

McCook 345 kV bus does not comply with current standards. It is a straight bus design with two lines and two transformers with the lines directly connected to the bus via disconnects. Loss of a line also trips a transformer.



Need Number: ComEd-2020-004

Process Stage: Solutions Meeting June 2, 2020

Proposed Solution:

Rebuild McCook 345 kV bus as indoor GIS double ring bus expandable to breaker-and-a-half (BAAH).

Estimated cost: \$64M

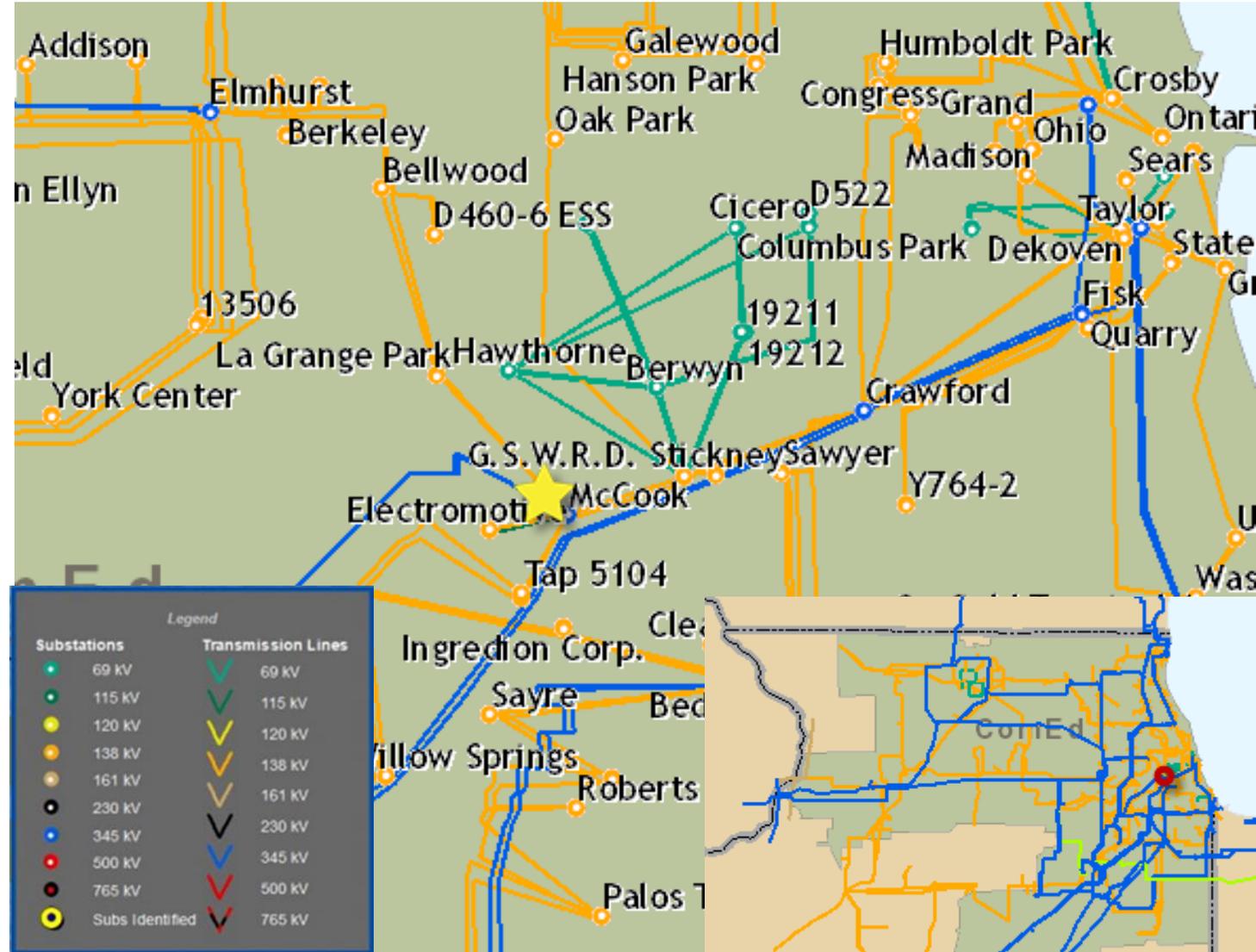
Alternatives Considered:

1. Do nothing
2. Install line breakers – remains a straight bus
3. Replace with open air BAAH – not enough real estate available

Projected In-Service: 12/31/2024

Project Status: Conceptual

Model: 2025 RTEP



Appendix

High Level M-3 Meeting Schedule

Assumptions	Activity	Timing
	Posting of TO Assumptions Meeting information	20 days before Assumptions Meeting
	Stakeholder comments	10 days after Assumptions Meeting
Needs	Activity	Timing
	TOs and Stakeholders Post Needs Meeting slides	10 days before Needs Meeting
	Stakeholder comments	10 days after Needs Meeting
Solutions	Activity	Timing
	TOs and Stakeholders Post Solutions Meeting slides	10 days before Solutions Meeting
	Stakeholder comments	10 days after Solutions Meeting
Submission of Supplemental Projects & Local Plan	Activity	Timing
	Do No Harm (DNH) analysis for selected solution	Prior to posting selected solution
	Post selected solution(s)	Following completion of DNH analysis
	Stakeholder comments	10 days prior to Local Plan Submission for integration into RTEP
	Local Plan submitted to PJM for integration into RTEP	Following review and consideration of comments received after posting of selected solutions

Revision History

5/21/2020 – V1 – Original version posted to pjm.com