

CUY IR 480/480N 15.21/0.00 Study
Scope of Services
PID 122565

Background:

These sections of IR-480 and IR-480N were mostly built and designed in the 1970s with one significant section being built in the mid-1960s. The neighborhoods and the traffic patterns have grown and changed significantly over the past 50 years. Before there is a rebuild of the highway (PIDs 76807, 76809, 76798), the current traffic patterns should be studied and evaluated in order to design the IR-480 rebuild to the current patterns.

While some improvements have been made to the westbound direction and the TOAST scores were mainly “under the bridge construction”, the scores have typically been low and the sections here rank 1, 2, 9,10,14, 20, 21, 48, 267, 330 overall within the district. The overall State rankings are 14,19,82,91,170, 230, 235, 385, 1245, 1507. Most of the scores are below 50.0%.

Anticipated Scope of Work:

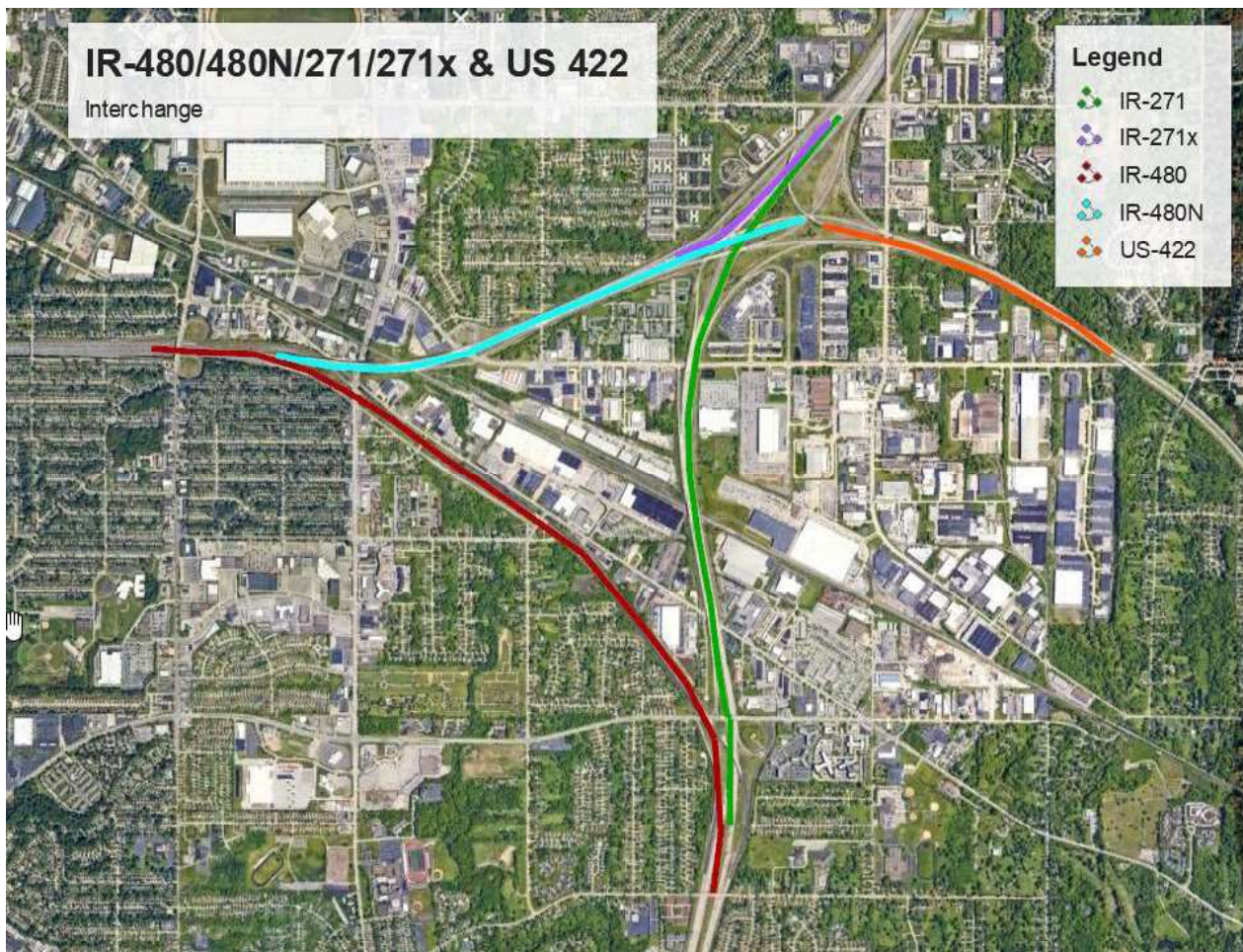
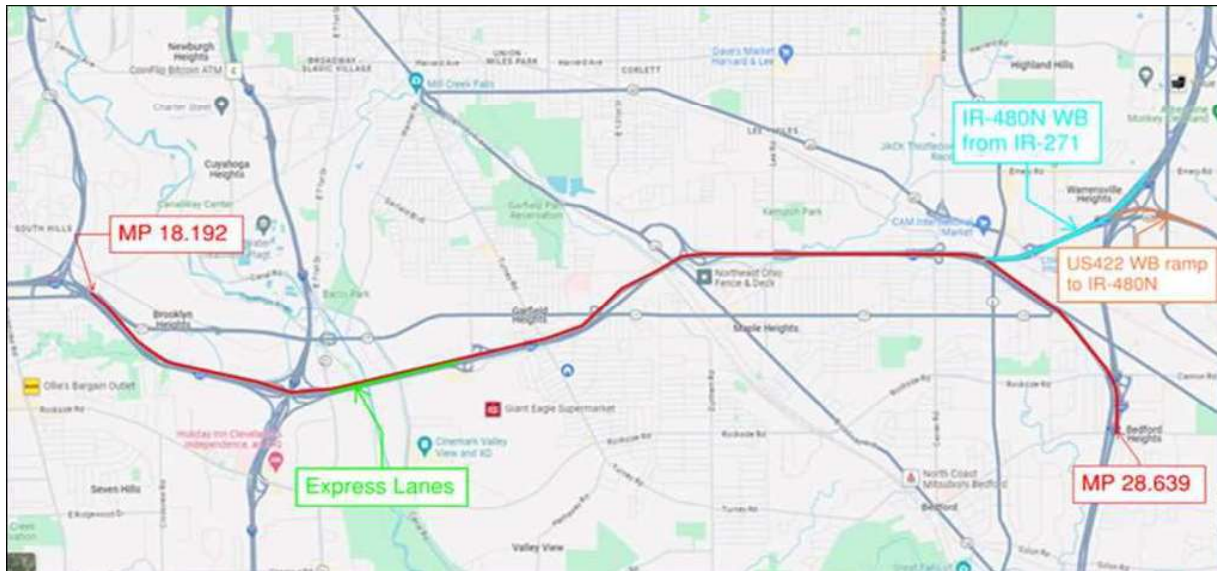
This will be a 2-part study in which the consultant will review the interchanges and mainline along IR-480 from the Jennings Freeway (SR-176) to the IR-480/271 interchange looking for the best possible on/off IR-480 scenarios.

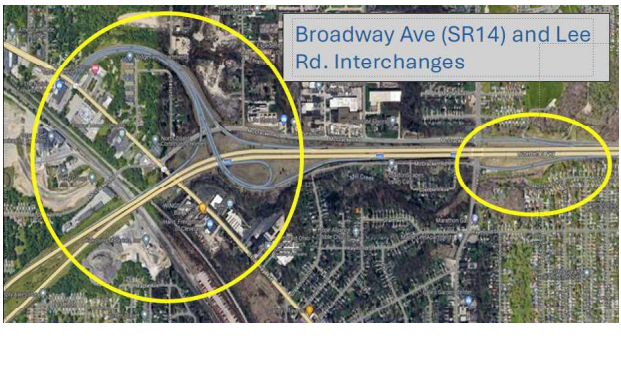
Also included in this study is to review the existing convergence of IR-271/271X/480/480N & US422 and look to make traffic improvement. Review the IR-480 Express Lanes (Valley View Bridge) and determine if they should be extended east, west, both directions, and/or if they should bypass the IR-480/IR77 interchange.

For part one of the study the consultant would be to build a transmodeler model of the IR-480 corridor and calibrate it to try to replicate the parts of highway that perform poorly. Also, in part one the consultant should develop some alternatives that could be applied to improve the traffic along this corridor.

For part two of the study, if authorized, the district would review and prioritize all alternatives, both consultant and district, and determine what alternatives to advance. The consultant will be given the chosen alternatives and be instructed to use HCS to analyze or to add to the TransModeler for analysis.

Location Map





PID 122565 Existing Documents

PID 122565 CUY-480/480N-15.21/0.00 Study















The consultant can obtain a complete set of plans from the District 12 map room located at the District 12 office. A sampling of the following plans is located on the ODOT FTP site:

https://ftp.dot.state.oh.us/pub/Districts/D12/Production/Consultant_Programmatic/2025_January/122565/

Plans:

C/R/S	Year	Directory	Pages
CUY-480-15.22,	YR 1982	SD 000357	1-172
CUY-480-15.81,	YR 1974	SD 000358	1-392
CUY-480-17.37,	YR 1968	SD 000348	1-410
CUY-480-18.43,	YR 1970	SD 000359	1-115
CUY-480-18.43,	YR 1970	SD 000361	1-112
CUY-480-19.43,	YR 1978	SD 000362	1-478
CUY-480-21.4,	YR 1973	SD 000363	1-390
CUY-480-22.16,	YR 1970	SD 000364	1-407
CUY-480-23.95,	YR 1970	SD 000365	1-332
CUY-480-24.45,	YR 1971	SD 000366	1-514
CUY-480-25.57	YR 1973	SD 000155	1-292
CUY-480-18.42,	YR 2020	SD 002915	RFC_Drawings
CUY-480-22.16,	YR 2011	SD 000086	1-173
CUY-271-5.26,	YR 1996	SD 000683	1-321
CUY-271-53.4,	YR 1995	SD 000682	1-381
CUY-480-23.45,	YR 1996	SD 000684	1-620
CUY-271-0,	YR 2016	SD 002824	1-999
CUY-480-22.41,	YR 2018	SD 003400	1-194

Studies:

-  1968-09-16 CUY-80-1786 Future Design Report
-  2008-12-22 CUY-480-22.41 Appendix B Only
-  2008-12-22 CUY-480-22.41 Report Appendix
-  2008-12-22 CUY-480-22.41 Report
-  2012-UrbFwy-092; CUY-480 (20.60-24.00)
-  2014-UrbFwy-115; CUY-480 (23.26-23.56)-STABV
-  2014-UrbFwy-116; CUY-480 (22.28-22.58) STABV
-  2015-UrbFwy-084; CUY-480 (19.67-19.97)
-  89168 2013-04-30 Traffic Operations Summary-FINAL
-  CUY-480_21.30 Final Memo 2019-02-06
-  CUY-480-20.75 IOS_CERT
-  REPORT_3_OUTER_BELT_SOUTH_FREEWAY_1961
-  REPORT_11_BEDFORD_FREEWAY_1967
-  REPORT_13_LEE_FREEWAY_1966



Past Bridge inspections and current bridge inventory can be found at: <https://smsreports.dot.state.oh.us/>