



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 12 • 5500 TRANSPORTATION BLVD. • GARFIELD HEIGHTS, OHIO 44125-5396 • (216) 581-2100

TED STRICKLAND, GOVERNOR • JAMES G. BEASLEY, P.E., P.S., DIRECTOR • BONITA G. TEEUWEN, P.E. DISTRICT DEPUTY DIRECTOR

January 16, 2009

HNTB

1100 Superior Ave. Suite 1330
Cleveland, Ohio 44114

Attn: **Rhett Wegehaupt, P.E.**

Re: **CUY-Lakewood Signals (Phase 2); PID 82794**
Traffic Signal Warrants

Dear Mr. Wegehaupt;

Reference is made to your letter dated December 22, 2008, which submitted the Signal Warrant Analysis for the above listed project. The project consists of 13 intersections on Detroit Avenue in the City of Lakewood.

This matter has been reviewed by this office and we are advising you that signal warrants are approved for inclusion of traffic signals at normal project participation at the following intersections:

- | | |
|-------------------------------------|------------------|
| 1. Detroit Road/ Cook Avenue | Warrant 2 |
| 2. Detroit Road/ Warren Road | Warrants 1,2,3,5 |
| 3. Detroit Road/ St. Charles Avenue | Warrant 3 |
| 4. Detroit Road/ Belle Avenue | Warrant 1 |
| 5. Detroit Road/ Bunts Road | Warrant 1 |

The following intersections use the school crossing warrant. The study needs to document the distance to the nearest traffic control signal. If this distance is less than 300 feet this warrant cannot be applied unless it is shown that these signals will not restrict the progressive movement of traffic:

1. Detroit Road/ Arthur Avenue
2. Detroit Road/ Andrews Avenue
3. Detroit Road/ Waterbury Avenue/ St. Edwards High School
4. Detroit Road/ Cohasset Avenue

January 16, 2009

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Traffic Signal Warrants

Page 2

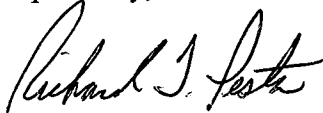
The following signals are not warranted and the City has stated its intention to retain these signals. A signal removal analysis needs to be submitted to the District. These signals can be removed at 100% project cost. If the City wishes to retain these signals it would be at 100% local cost:

1. Detroit Road/ Mars Avenue
2. Detroit Road/ Marlowe Avenue
3. Detroit Road/ Manor Park
4. Detroit Road/ Nicholson Avenue

On a project of this type, all signals within the project limits must be warranted or justified for retention if unwarranted. Upgrading of unwarranted signals is not eligible for project funding. Unwarranted signals which will be retained and are within the project limits must be upgraded at 100% local cost; however, removal of unwarranted signals is eligible for project funding. Unwarranted signals may be upgraded by the local maintaining agency with its own forces provided that the work will be finished by this project's completion date. Unwarranted signals may not be retained if their retention would not be compatible with the proposed signal system or if the unwarranted signals adversely affect the operation of the system (i.e. arterial progression, arterial level of service). At the time of completion, all signalized locations within the project limits must meet signal design standards prescribed in the Ohio Manual of Uniform Traffic Control Devices.

If you have any questions or comments regarding this matter or if you require any additional information, please do not hesitate to contact me at 216-584-2116 or Gary Benesh at 216-584-2108.

Respectfully,



Richard T. Pesta, P.E.
Project Manager

C: G. Benesh
R. Chesla
J. Beno, Lakewood
E. FitzGerald, Mayor, Lakewood
J. Hosek, NOACA
File (82794)