**Highway-Rail Grade Crossing Warning System Railroad Configuration**

**and Timing Requirements**

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|  | **OHIO DEPARTMENT OF TRANSPORTATION** |
| **OHIO RAIL DEVELOPMENT COMMISSION** |
|  |
| **HIGHWAY-RAIL GRADE CROSSING WARNING SYSTEM INTERCONNECTION**  **RAILROAD CONFIGURATION AND TIMING REQUIREMENTS** |

Railroad: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­\_\_\_\_\_\_

DOT: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Crossing Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Issued By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Local Highway Authority)

**This crossing warning system is proposed to be interconnected with an adjacent highway traffic control signal.** In some cases, the warning system may be interconnected with two highway traffic control signals, usually one on each side of the grade crossing. The #2 interconnect circuits are only required if indicated below.

The purpose of this document is to advise the railroad of the number of interconnection circuits required and the type and timing requirements of each circuit. The railroad should refer to the Chapter 804 of the ODOT Traffic Engineering Manual (TEM), Subsection 804-4 for details concerning the requirements of the interface to be provided by the railroad.

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| TYPE OF INTERCONNECTION | INTERCONNECT #1 | INTERCONNECT #2 |
| ADVANCE \* (SUPERVISED) |  |  |
| SIMULTANEOUS |  |  |
| GATE DOWN (Typ. Required) |  |  |
| ISLAND (Optional) |  |  |
| GATE UP (Optional) |  |  |
| NOT REQUIRED |  |  |
| \* Advance Preemption Time Per AREMA 3.3.10 |  |  |