



AGENDA
CHARTER TOWNSHIP OF MERIDIAN
TOWNSHIP BOARD – REGULAR MEETING
November 21, 2017 6PM



1. CALL MEETING TO ORDER
2. PLEDGE OF ALLEGIANCE/INTRODUCTIONS
3. ROLL CALL
4. PRESENTATION
 - A. 2017 Review and 2018 Action Plan
5. CITIZENS ADDRESS AGENDA ITEMS AND NON-AGENDA ITEMS
6. TOWNSHIP MANAGER REPORT
7. BOARD MEMBER REPORTS AND ANNOUNCEMENTS
8. APPROVAL OF AGENDA
9. CONSENT AGENDA (SALMON)
 - A. Communications
 - B. Minutes-November 9, 2017 Regular Meeting
 - C. Bills
 - D. Ratification of New Police Officer
10. QUESTIONS FOR THE ATTORNEY
11. HEARINGS (CANARY)
12. ACTION ITEMS (PINK)
 - A. Commission Review #17093 2017 Master Plan Update
 - B. Auditing Services Contract
 - C. Sleepy Hollow SAD Resolution #3
13. BOARD DISCUSSION ITEMS (ORCHID)
 - A. Transportation Commission Recommendation: Implement Railroad Quiet Zones
 - B. Transportation Commission Recommendation: Negotiate Formal Agreement with CATA Redi-Ride Service
 - C. 2018 Township Goals
14. COMMENTS FROM THE PUBLIC
15. OTHER MATTERS AND BOARD MEMBER COMMENTS
16. ADJOURNMENT
17. POSTSCRIPT- JULIE BRIXIE

All comments limited to 3 minutes, unless prior approval for additional time for good cause is obtained from the Supervisor.
Appointment of Supervisor Pro Tem and/ or Temporary Clerk if necessary.

Individuals with disabilities requiring auxiliary aids or services should contact the Meridian Township Board by contacting:
Township Manager Frank L. Walsh, 5151 Marsh Road, Okemos, MI 48864 or 517.853.4258 - Ten Day Notice is Required.
Meeting Location: 5151 Marsh Road, Okemos, MI 48864 Township Hall

Providing a safe and welcoming, sustainable, prime community.



A PRIME COMMUNITY
meridian.mi.us

TOWNSHIP BOARD REGULAR MEETING COMMUNICATIONS NOVEMBER 21, 2017

(1) Board Information (BI)

BI-1 William Conklin Ingham County Road Department (ICRD) RE: Public Meeting Notice for 2018 Jolly-Okemos Intersection and Jolly, Dobie-Meridian Rds., Resurfacing Project

BI-2 Laura Liebler, 2343 Fieldstone Drive Okemos; RE: New Website

BI-3 Donna Rose, 6207 Cobblers Drive, East Lansing; RE: Voting Issues

9.A

**CLERK'S OFFICE
BOARD COMMUNICATIONS
November 21, 2017**

Board Information (BI)

Maggie Rodgers-Sanders

From: Brett Dreyfus
Sent: Friday, November 03, 2017 6:22 PM
To: Maggie Rodgers-Sanders
Subject: FW: Public Meeting Notice for 2018 Jolly-Okemos Intersection and Jolly, Dobie-Meridian Rds, Resurfacing Projects
Attachments: Mail Notice for Jolly Meeting.doc; ATT00001.htm; Okemos Jolly Mailer Maps.pdf; ATT00002.htm; Okemos Jolly Public Meeting Displays.pdf; ATT00003.htm

Print for communications

From: Frank Walsh
Sent: Friday, November 03, 2017 6:00 PM
To: Township Board
Cc: MTeam
Subject: Fwd: Public Meeting Notice for 2018 Jolly-Okemos Intersection and Jolly, Dobie-Meridian Rds, Resurfacing Projects

FYI

Sent from my iPhone

Begin forwarded message:

From: "Conklin, William" <WConklin@ingham.org>
To: "Ronald Styka" <styka@meridian.mi.us>, "Frank Walsh" <walsh@meridian.mi.us>, "Derek Perry" <perry@meridian.mi.us>, "Mark Kieselbach" <Kieselbach@meridian.mi.us>, "David Hall" <hall@meridian.mi.us>, "Younes Ishraidi" <ishraidi@meridian.mi.us>, "Nyal Nunn" <nunn@meridian.mi.us>, "Alaiedon Township" <alaiedontwp@gmail.com>, "Alaiedon" <Alaiedon@Alaiedontwp.com>, "alena.zachery-ross@okemosk12.net" <alena.zachery-ross@okemosk12.net>, "steve.lathrop@okemosk12.net" <steve.lathrop@okemosk12.net>, "Todd Sharp" <todd.sharp@okemosk12.net>, "cathy.mckenna@okemosk12.net" <cathy.mckenna@okemosk12.net>
Cc: "Peterson, Robert" <rpeterson@ingham.org>, "Troia, Dan" <DTroia@ingham.org>
Subject: Public Meeting Notice for 2018 Jolly-Okemos Intersection and Jolly, Dobie-Meridian Rds, Resurfacing Projects

As many of you may already be aware, two nearby road projects have been planned for 2018 on Jolly Road—at the Jolly-Okemos intersection to add right turn lanes and resurface, and on Jolly Road, Dobie to Meridian Roads, for recycling, resurfacing, and adding paved shoulders, both starting in early 2018, although some preliminary utility and signal work in preparation has already begun on Jolly-Okemos.

The Ingham County Road Department will conduct a drop-in style **public information meeting** regarding both projects from **4-7 pm, Wed, Nov 29, at Chippewa School** off Kinawa Road east of Okemos Road. The attached flier and mail version of the attached detour maps is being mailed out today to all property owners, businesses, and residents within the areas of these projects to inform them of the projects and invite them to the public meeting on Nov 29. All members of the public will also be invited by media release to be issued next week.

Please see the attached items for more information. The two pdf's are essentially the same aerial photo-detour maps, one in condensed format to be mailed out and the other as they will appear at the public meeting.

If Meridian Township can further share this through their website and HOM-TV as discussed previously, that would be most helpful as well.

Also, ICRD will take handfuls of the fliers into each of the businesses in the Jolly-Okemos area next week to place by their customer reception/cash register areas to further get the word out.

Feel free to let us know if you have any questions, attend the Nov 29 public meeting as desired, and share this with others as may be necessary.

Thank-you,
Bill Conklin, Manager
Ingham County Road Department (ICRD)
517-676-9722

**INGHAM COUNTY ROAD DEPARTMENT
AUSTIN E. CAVANAUGH ADMINISTRATION BUILDING
301 Bush Street, P.O. Box 38, Mason, MI 48854-0038**

November 3, 2017



**William M. Conklin, P.E.
Managing Director**

NOTICE OF PUBLIC INFORMATION MEETING

What: Okemos Road and Jolly Road 2018 Construction:
Okemos Road @ Jolly Road Intersection Improvements
Jolly Road Resurfacing; Dobie Road to Meridian Road

When: 4:00 PM to 7:00 PM on Wednesday, November 29, 2017

Where: Chippewa Middle School, off Kinawa Road, east of Okemos Road.

The Ingham County Road Department plans the following two projects starting in early spring 2018:

1. Jolly Road at Okemos Road Intersection Improvements: includes storm drain replacement, addition of right turn lanes on the northbound, southbound and eastbound approaches, signal upgrades, and concrete pavement resurfacing.
2. Jolly Road Resurfacing – Dobie Road to Meridian Road: includes addition of 4 foot wide paved shoulders through-out, drainage upgrades, pavement recycling and resurfacing.

A drop-in style Public Information Meeting regarding both projects will be held **Wednesday, November 29, 2017, between 4:00 and 7:00 PM, at the Chippewa Middle School, 4000 Okemos Road, Meridian Township, off Kinawa Road, east of Okemos Road.** No formal presentation is planned. Information regarding the projects will be shared in an informal setting. Interested citizens may drop in to the meeting any time between 4:00 and 7:00 PM to meet project staff, view project plans, and ask questions about the projects.

The following provides further detail on both projects:

JOLLY ROAD AT OKEMOS ROAD INTERSECTION IMPROVEMENTS

Proposed Work: Replacement of aging storm drain under westbound Jolly Road and other drainage upgrades; Addition of right turn lanes for the north to east, south to west, and east to south right turn movements; Concrete pavement resurfacing; Replacement and modernization of traffic signal with updated pedestrian crossings. MDOT will be constructing a new traffic signal at the westbound I-96 exit ramp at Okemos Road under a separate contract in spring 2018.

Estimated Schedule: Utility relocation and traffic signal replacement currently underway to be done this fall; Drainage and road work to be started in spring 2018—further updates will be issued via media release in the spring; Completion expected by Labor Day, 2018, dependent on weather and other factors.

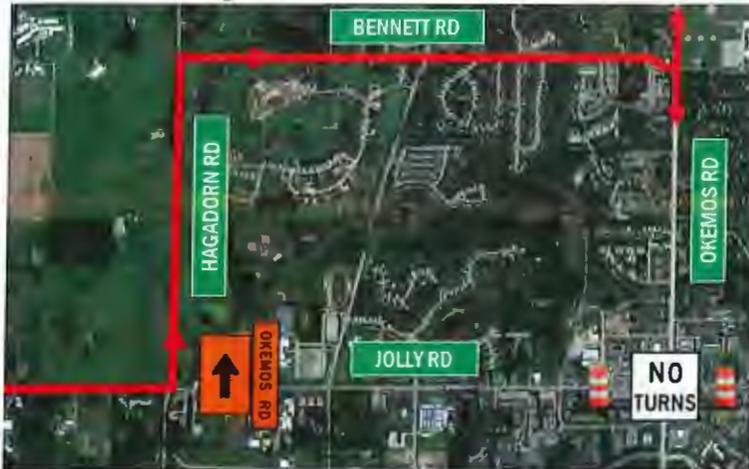
(Continued on other side)

SPRING 2018 - OKEMOS RD & JOLLY RD

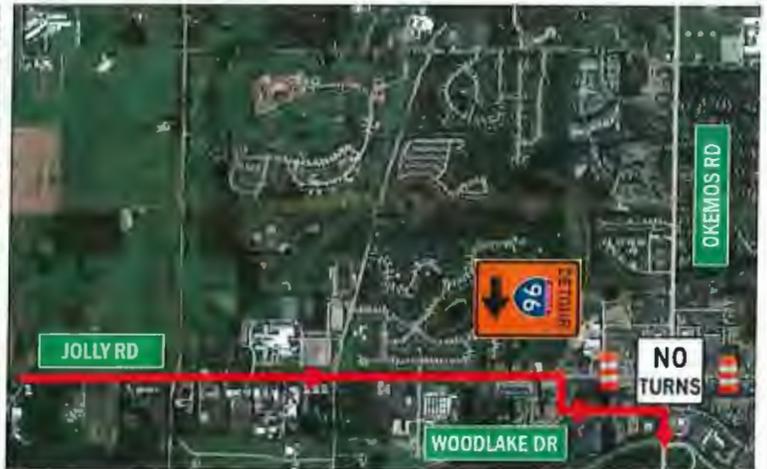
NO TURNS will be allowed at the intersection - **ONE LANE** open in each direction
PLAN YOUR ROUTE AHEAD - Utilize **ADVANCED DETOURS** whenever possible

EASTBOUND DETOUR ROUTES

EB Jolly Rd to Okemos Rd Detour



EB Jolly Rd to I-96 Detour



WESTBOUND DETOUR ROUTES

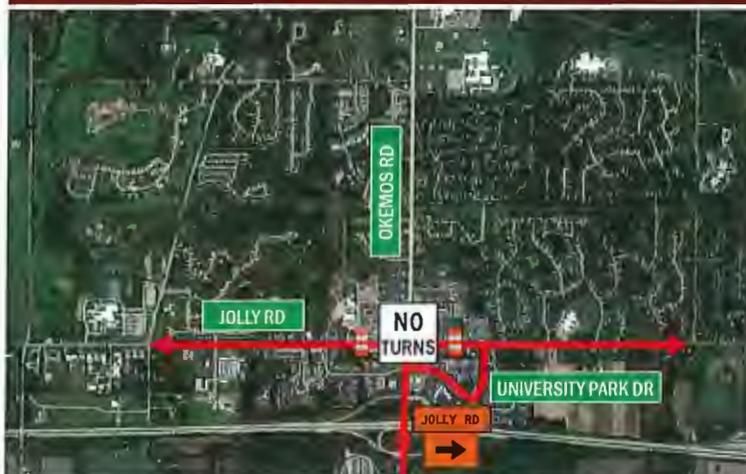
WB Jolly Rd to Okemos Rd Detour



WB Jolly Rd to I-96 Detour



NORTHBOUND DETOUR ROUTE



SOUTHBOUND DETOUR ROUTE



Coordinated with
Jolly Rd (Dobie-
Meridian) Project
Detour

SPRING 2018 - OKEMOS RD & JOLLY RD

Access will be maintained for all local businesses with intermittent left turn restrictions

TURN RIGHT at driveways or utilize **SIGNAL** at Alaiedon Parkway to reach destination

Project Info & Updates: rc.ingham.org E-mail: roads@ingham.org Phone: (517) 676-9722

INTERSECTION LEFT TURN ROUTES



EASTBOUND DETOUR



EB Jolly Rd to Okemos Rd Detour

- Detour posted at Hagadorn Road
- Turn LEFT onto Hagadorn Road
- Turn RIGHT onto Bennett Road
- Return to Okemos Road

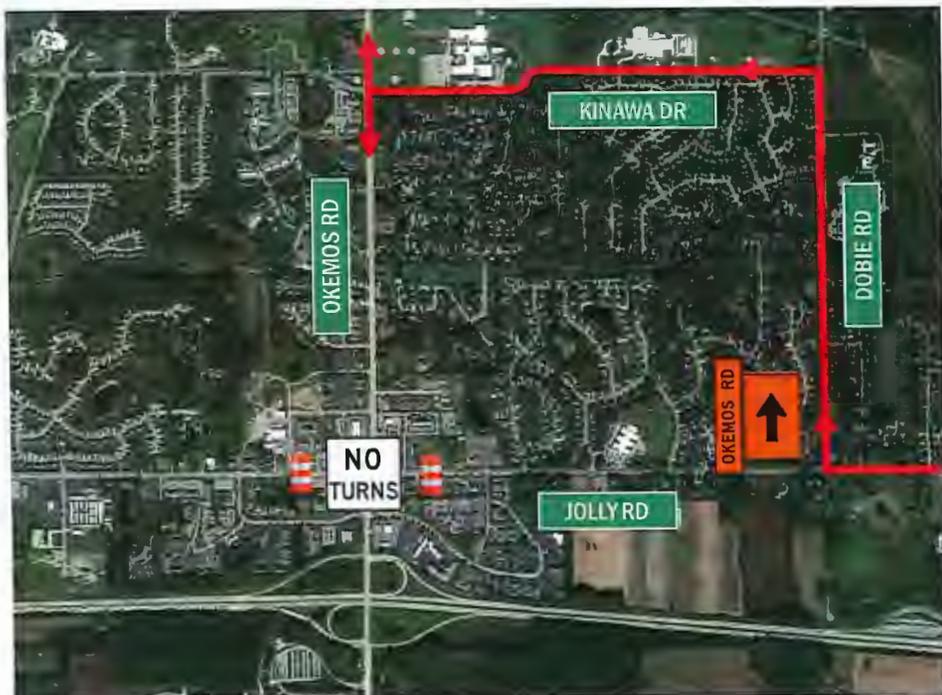
OKEMOS
RD NO
TURNS



EB Jolly Rd to I-96 Detour

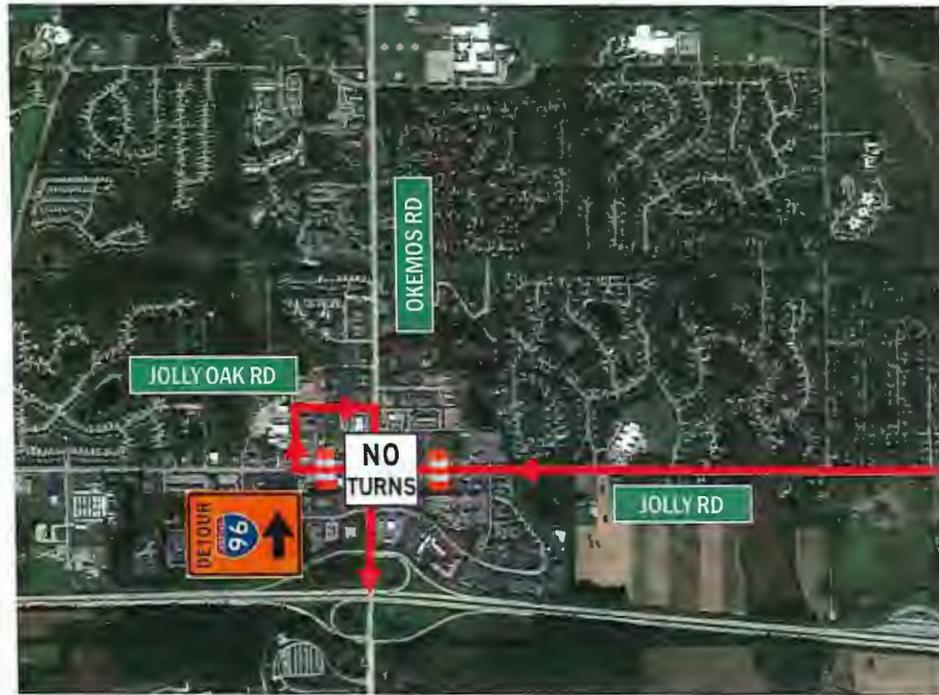
- Detour posted at Woodlake Drive
- Turn RIGHT onto and follow Woodlake Drive
- Turn RIGHT onto Okemos Road
- Access I-96 Interchange

WESTBOUND DETOUR



WB Jolly Rd to Okemos Rd Detour

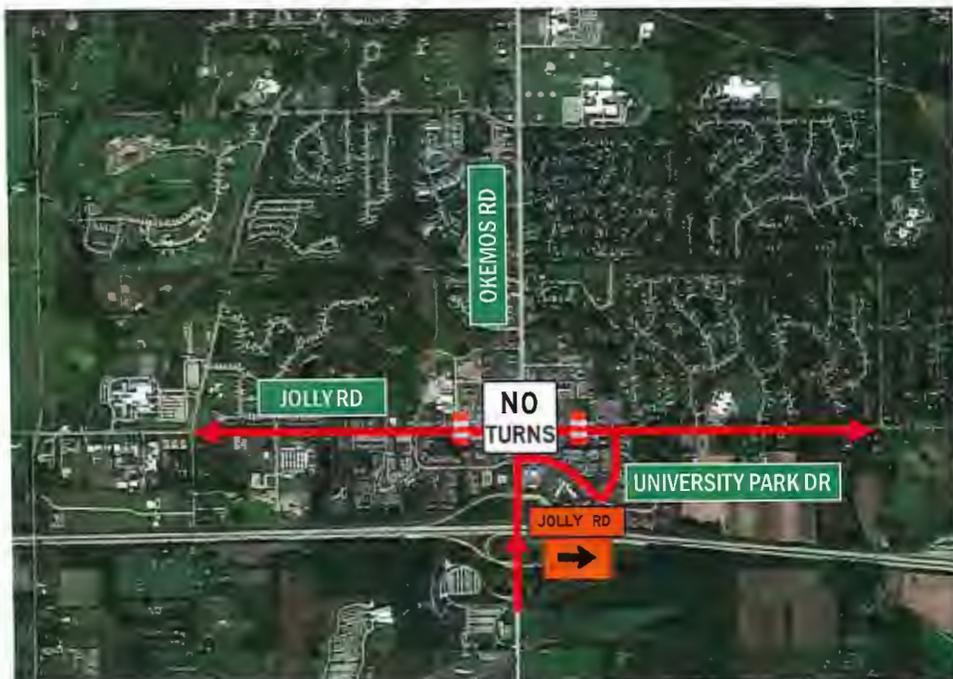
- Detour posted at Dobie Road
- Turn RIGHT onto Dobie Road
- Turn LEFT on Kinawa Drive
- Return to Okemos Road



WB Jolly Rd to I-96 Detour

- Detour posted at Jolly Oak Road
- Turn RIGHT onto and follow Jolly Oak Road
- Turn RIGHT onto Okemos Road
- Access I-96 Interchange

NORTHBOUND DETOUR

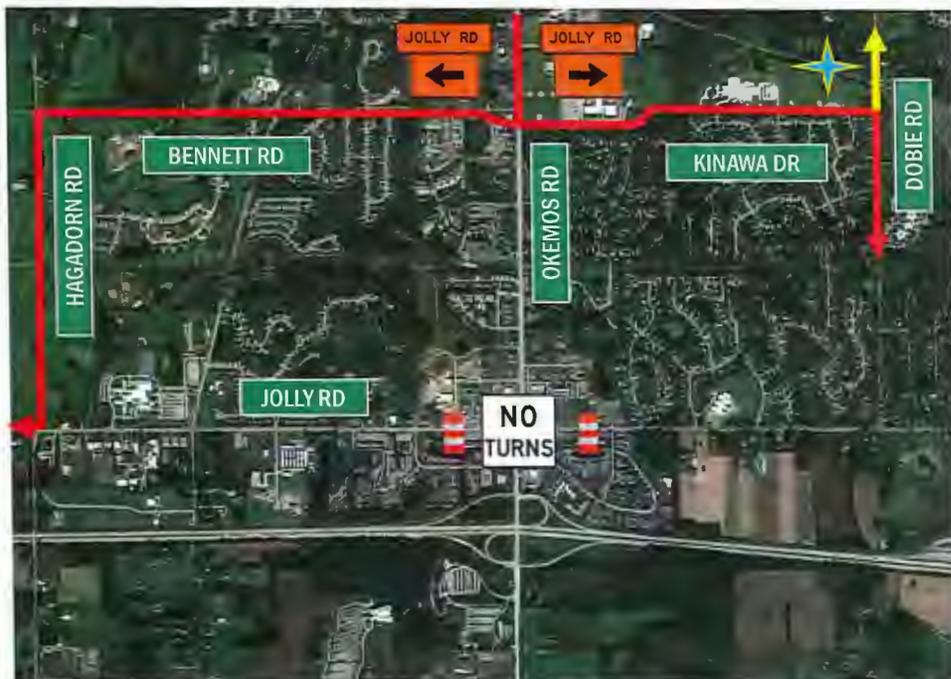


NB Okemos Rd to Jolly Rd Detour

- Detour posted at University Park Drive
- Turn RIGHT onto University Park Drive
- Turn LEFT onto Alaiadon Parkway
- Return to Jolly Road



SOUTHBOUND DETOUR



SB Okemos Rd to Jolly Rd Detour

To Westbound Jolly Rd

- Turn RIGHT onto Bennett Rd
- Turn LEFT onto Hagadorn Rd
- Turn RIGHT onto Jolly Road

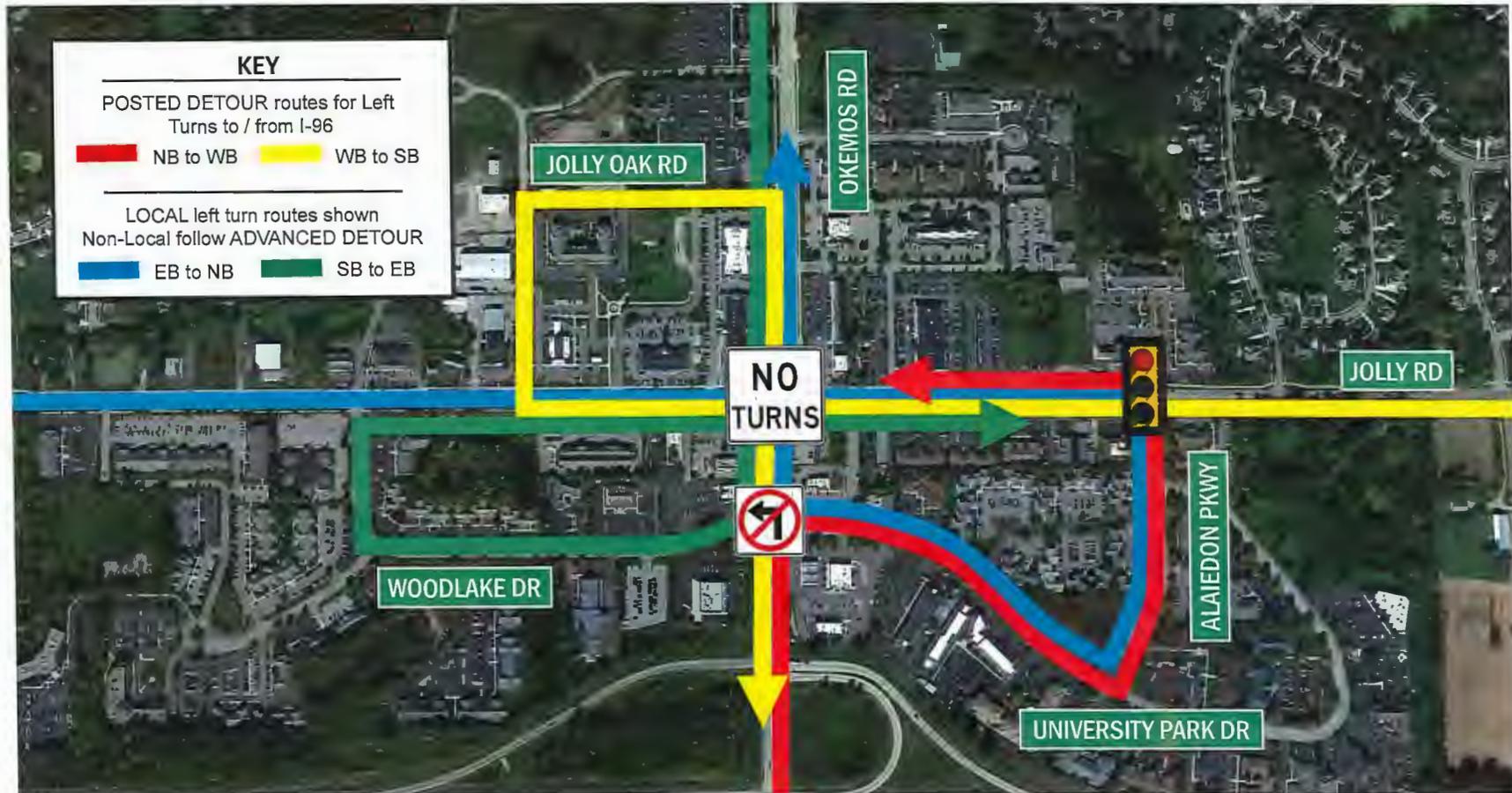
To Eastbound Jolly Rd

- Turn LEFT onto Kinawa Drive
- Follow posted Detour RIGHT or LEFT at Dobie Rd to Jolly Road



Coordinated with Jolly Rd (Dobie-Meridian) Project Detour

INTERSECTION LEFT TURN ROUTES



Local Access Detour Routes

- NO TURNS at Okemos Road & Jolly Road Intersection
- NO LEFT TURNS (ALL Directions) Okemos Road at Woodlake Drive and University Park Drive
- Local Access: Turn RIGHT on these routes or utilize SIGNAL at Alaiedon Pkwy to reach destination

Brett Dreyfus

From: Laura Liebler <fernfan@gmail.com>
Sent: Wednesday, November 08, 2017 3:45 PM
To: Township Board
Subject: new website

Hello,

I am finding the new website very difficult to use. The organization seems incomprehensible, and much useful information seems to be missing -- or impossible to find. In the past, I've used the website mostly to get information about the parks and natural areas, but today it took me quite awhile just to find the list of parks, and I never did find anything about the natural areas. I was specifically looking for a trail map for Eastgate Park, but I wasn't able to find any trail maps for any of the parks. And why is information about parks listed under "Visitors"? I would guess that most of the people who use the parks are residents.

Also, I could not identify whom to contact regarding the website, which is why all of you are receiving this email.

I hope you will have your webmaster test the usability of the new website with members of the general public and make the necessary changes so that information is more complete and easier to find.

--

Laura Liebler
2343 Fieldstone Drive
Okemos, MI 48864
734-678-6685

BI-2

NOV 21 2017

Brett Dreyfus

From: Donna Rose <wild-rose@sbcglobal.net>
Sent: Wednesday, November 08, 2017 8:06 PM
To: Board
Subject: Voting Issues

Dear Board Members,

The voting issues several of us who are blind experienced yesterday here in Meridian Township due to the use of the Dominion Systems terminal were shared by voters across our State wherever this model was used. It actually was a choice which people who are blind rejected during our testing and review of different systems. We don't know how it wound up as one of the choices, but the fact is, it is the Michigan Secretary of State's office is responsible for allowing County Clerks to have the impression this model is ADA compliant. We will have to take this issue up with them. Brett Dreyfus is not responsible for doing anything but trying to be helpful in this matter, when actually our Township has little impact on what happens at the county or state level when it comes to choosing these machines. Our County Clerk wasn't even aware there was any testing or reviews done by people with disabilities. Again, we will have to pursue a solution through the State of Michigan. Those who tried to use this voting terminal meant to be accessible do not want to use it again since it is not really workable.

Voting is possibly one of the most important transaction a citizen will ever have the right to act upon, and the secret ballot is sacred. Here in America I value, with other citizens, this freedom. Keep in mind it is very difficult to attempt to vote, and realize you are having difficulty simply because of who you are. No one who takes this right seriously would be only mildly affected if they were denied this right and couldn't vote a secret ballot they were at the polls for and prepared to vote.

Sincerely,
Donna Rose
6207 Cobblers Drive
East Lansing, MI 48823

BI-3

NOV 21 2017

PROPOSED BOARD MINUTES

PROPOSED MOTION:

Move to approve and ratify the minutes of the November 9, 2017 Regular Meeting as submitted.

ALTERNATE MOTION:

Move to approve and ratify the minutes of the November 9, 2017 Regular Meeting with the following amendment(s): [insert amendments].

**November 21, 2017
REGULAR MEETING**

CHARTER TOWNSHIP OF MERIDIAN
TOWNSHIP BOARD REGULAR MEETING - **DRAFT** -
5151 Marsh Road, Okemos, MI 48864-1198
853-4000, Town Hall Room
THURSDAY, November 9, 2017, **6:00 P.M.**

PRESENT: Supervisor Styka, Clerk Dreyfus, Treasurer Brixie, Trustees Deschaine, Jackson, Opsommer, Sundland

ABSENT: None

STAFF: Township Manager Frank Walsh, Director of Public Works & Engineering Derek Perry, Director of Community Planning & Development Mark Kieselbach, Economic Development Director Christopher Buck, Senior Planner Peter Menser

1. CALL MEETING TO ORDER

Supervisor Styka called the meeting to order at 6:03 P.M.

2. PLEDGE OF ALLEGIANCE/INTRODUCTIONS

Supervisor Styka led the Pledge of Allegiance.

3. ROLL CALL

The secretary called the roll of the Board.

4. PRESENTATION

Supervisor Styka mentioned artwork showcased in the Townhall Room from Chippewa Middle School

5. CITIZENS ADDRESS AGENDA ITEMS AND NON-AGENDA ITEMS (None)

6. TOWNSHIP MANAGER REPORT

Manager Walsh updated the board on discussion in the community about the relocation of the Farmers Market next to Studio C. Met with owners of the Meridian Mall, LuAnn Maisner Director of Parks and Recreation is leading the project, and Dave Ledeburgh of the EDC working on this as well.

November 14th Goal setting Study Session at the Central Fire Station.

Mariam Mattison will be working on picking an Auditor for the Township and bringing a recommendation to the Board at the November 21, 2017 meeting.

7. BOARD MEMBER REPORTS AND ANNOUNCEMENTS

Clerk Dreyfus – Election Report:

- Reported the results of the November 7, 2017 Election
- 30,273 registered voters in Meridian Township
- 4,734 voted: 15.6% voter turnout
- 2,309 YES votes, 2425 NO votes: Ballot proposal FAILED in Meridian Township
- Ingham County millage proposal passed countywide
- Absentee Voter ballots comprised almost 50% of the total ballots cast

Treasurer Brixie reported:

- Attended MABA's 20th-anniversary banquet commemorating the Townships involvement with MABA over the past 20 years.
- Attended the October 26th joint meeting of Park Commission and Land Preservation, discussed park land as natural area and importance of continuity with other open space in order to be able to protect larger parcels of land.
- Attended the November 8th Tri-County Regional Planning Commission (TCRPC), changing public input processes to encourage more input in the planning process.
- Attended the neighborhood leader meeting, no significant issues in the Township reported.

Trustee Deschaine reported:

- Attended the TCRPC open house Moving Mid-Michigan, pavement conditions were a large concern; 57.3% of roads in poor condition in Tri-County region. Roads are hurting most likely due to State slashing funding for roads.
- CATA 10.9 million riders a year, "great" mass transit helps keep businesses strong.
- Attended Commission member recognition night, John Scott-Craig and Sue Elder were honored.
- Attended the November 2, 2017, EDC meeting regarding the efficacy of a redevelopment fund, EDC looking for new members, 2 openings.
- November 16th Transportation meeting will focus on a "road diet" (from two lanes to one lane) for Lake Lansing Road, from Saginaw Highway to Hagadorn, presented by Bill Conklin.

Trustee Opsommer reported:

- November 15, 2017, CATA meeting announcement on two final candidates for CEO, special meeting to interview candidates and make final decision. Contract negotiations will follow.
- Search firm was used, approach respected confidentiality of applicants, now in final phase, will update the Township Board on the special CATA meeting.
- October CATA board meeting discussed Zone 2 fares in Delta Township, they decided not to continue their Redi-Ride services. Discussed "double fares" for certain rider situations.

Clerk Dreyfus reported:

- Met with new MSU Museum Director. Discussed his previous experience, Clerk proposed exhibit called "Voice of the People" featuring history of elections in Michigan, issues of voter suppression, third parties, campaigning. Looking for ways to collaborate with MSU.
- Attended tour of Old Okemos Cemetery, several citizens attended from families of early Meridian settlers; sponsored by the Friends of Historic Meridian.
- Attending Moving Mid-Michigan afternoon session of the TCRPC open house, great networking and innovative, interactive methods of demonstrating transportation issues and getting participant input.

Trustee Jackson reported:

- Attended the Neighborhood Leadership Meeting.
- Attended the TCRPC open house, looked roads MDOT and Meridian Township were responsible for, and looking at ways on how to improve poor road conditions.
- Please to note two new businesses – a bakery on Haslett Road and a restaurant on Central Park Drive – and Hampton Inn redeveloped their site, which is a good direction for the Township
- Parks Commission dedicated a new mural in Hillbrook Park.

Trustee Sundland Reported:

- Attended the Costco opening.
- Attended the Meridian Cares fundraiser at Old Chicago.
- Saddleback BBQ opening day and support of their new business.
- Attended the award ceremony for Boards and Commissioners.

Supervisor Styka Reported:

- Along with Manager, Treasurer, and Economic Development Director, attended the Chamber of Commerce Meeting.
- Attended a symposium with Van Martin Realty, economist discussed the area and the potential for development, real estate, and which areas look better than others; he predicted a small recession in 2019.
- Attended the Costco ribbon cutting.
- Meridian Downtown Development Authority (DDA) and Corridor Improvement Authority (CIA) both looking at increasing amenities in Meridian Township.
- Attended the Meridian Cares event, which raised almost \$4,000.
- Attended Boards and Commissions awards.

8. APPROVAL OF AGENDA

Treasurer Brixie moved to approve the agenda as submitted. Seconded by Trustee Opsommer.

VOICE VOTE: YEAS: Supervisor Styka, Treasurer Brixie, Clerk Dreyfus, Trustees Deschaine, Jackson, Opsommer, Sundland

NAYS: None

Motion carried unanimously.

9. CONSENT AGENDA (SALMON)

Supervisor Styka reviewed the consent agenda.

Opsommer moved to adopt the Consent Agenda. Motion failed for lack of a second. Trustee Deschaine moved to amend Section H and approve the consent agenda. Seconded by Clerk Dreyfus.

ROLL CALL VOTE: YEAS: Trustees Deschaine, Jackson, Opsommer, Sundland, Supervisor Styka, Treasurer Brixie, and Clerk Dreyfus

NAYS: None

Motion carried unanimously.

A. Communications

Trustee Deschaine moved that the communications be received and placed on file, and any communications not already assigned for disposition be referred to the Township Manager or Supervisor for follow-up. Seconded by Clerk Dreyfus.

ROLL CALL VOTE: YEAS: Trustees Deschaine, Jackson, Opsommer, Sundland, Supervisor Styka, Treasurer Brixie, and Clerk Dreyfus

NAYS: None

Motion carried unanimously.

B. Minutes

Trustee Deschaine moved to approve and ratify the minutes of the Regular Meeting as substituted. Seconded by Clerk Dreyfus.

ROLL CALL VOTE: YEAS: Trustees Deschaine, Jackson, Opsommer, Sundland, Supervisor Styka, Treasurer Brixie, and Clerk Dreyfus

NAYS: None

Motion carried unanimously.

C. Bills

Trustee Deschaine moved that the Township Board approve the Manager’s Bills as follows:

Common Cash	\$	965,241.85
Public Works	\$	663,786.34
Trust & Agency	\$	173,517.23
Total Checks	\$	1,802,545.42
Credit Card Transactions (Dec. 1 to Dec. 7, 2016)	\$	12,430.34
Total Purchases	\$	<u>1,814,975.76</u>
ACH Payments	\$	<u>1,039,001.24</u>

Seconded by Clerk Dreyfus

ROLL CALL VOTE: YEAS: Trustees Deschaine, Jackson, Opsommer, Sundland, Supervisor Styka, Treasurer Brixie, and Clerk Dreyfus

NAYS: None

Motion carried unanimously.

D. Marriott Hotel Liquor License

Trustee Deschaine moved to adopt the resolution approving the Resort B Hotel liquor license for PHG Land Development to sell beer, wine, and spirits at the proposed Marriott Courtyard Hotel at 3454 Meridian Crossing Drive. Seconded by Clerk Dreyfus.

ROLL CALL VOTE: YEAS: Trustees Deschaine, Jackson, Opsommer, Sundland, Supervisor Styka, Treasurer Brixie, and Clerk Dreyfus

NAYS: None

Motion carried unanimously.

E. Charitable Gaming License- Okemos Central Elementary

Trustee Deschaine moved to approve a request from the Central Elementary PTO of Meridian Township, Ingham County, asking that they be recognized as a non-profit organization operating in the community for the purposes of obtaining a gaming license for approval and further that the Township Clerk is authorized to execute the resolution from the State of Michigan. Seconded by Clerk Dreyfus.

ROLL CALL VOTE: YEAS: Trustees Deschaine, Jackson, Opsommer, Sundland, Supervisor Styka, Treasurer Brixie, and Clerk Dreyfus

NAYS: None

Motion carried unanimously.

F. Additions to the Tax Roll

Trustee Deschaine moved to assess the charges identified in the staff memorandum with parcel identification available in the Treasurer's Office dated November 3, 2017, for Delinquent Special Assessments, Utility Bills, False Alarms, Nuisance, Lot Mowing/Code Violation, and Misc. Fees as a tax lien against the subject properties as authorized by Michigan Compiled Laws (MCL) 41.727, 41.728 and Meridian Township Ordinance Code Sections 58-32, 58-33, 78-98, 78-155, 46-5, 82-27, 18-1 and 18-15. Seconded by Clerk Dreyfus.

ROLL CALL VOTE: YEAS: Trustees Deschaine, Jackson, Opsommer, Sundland, Supervisor Styka, Treasurer Brixie, and Clerk Dreyfus

NAYS: None

Motion carried unanimously.

G. Disposal of Surplus Equipment

Trustee Deschaine moved to authorize the sale of the vehicles and equipment that have been declared surplus by the Department of Public Works; at public auction, internet auction, or by sealed bid. Seconded by Clerk Dreyfus.

ROLL CALL VOTE: YEAS: Trustees Deschaine, Jackson, Opsommer, Sundland, Supervisor Styka, Treasurer Brixie, and Clerk Dreyfus

NAYS: None

Motion carried unanimously.

H. 2018 Regular Board Meeting Schedule

Supervisor Styka offered some changes to the schedule, along with other members of the board.

Trustee Deschaine moved to amend the 2018 Board Meeting Schedule by striking the April 3, 2018 Township Board Meeting from the schedule. Seconded by Clerk Dreyfus.

VOICE VOTE: YEAS: Supervisor Styka, Treasurer Brixie, Clerk Dreyfus, Trustees Deschaine, Jackson, Opsommer, Sundland

NAYS: None

Motion carried unanimously.

10. QUESTIONS FOR THE ATTORNEY (None)

11. HEARINGS (None)

12. ACTION ITEMS

A. Zoning Amendment #17030 Allow Golf Courses as Open Space in a Planned Unit Development (PUD) and in a Planned Residential Development (PRD) - **Final Adoption**

Trustee Deschaine moved to approve the Resolution for Final Adoption of Zoning Amendment #17030 to amend section 86-378 and section 86-439 of the Code of Ordinances to allow a golf course to be counted as open space in a Planned Residential Development (PRD) and Planned Unit Development (PUD). Seconded by Trustee Opsommer

ROLL CALL VOTE: YEAS: Trustees Deschaine, Jackson, Opsommer, Sundland, Supervisor Styka, Treasurer Brixie, and Clerk Dreyfus

NAYS: None

Motion carried unanimously 7-0.

B. Donley Elementary School

Treasurer Brixie moved to authorize the Township manager to submit a request to the Michigan Department of Licensing and Regulatory Affairs for the delegation of school plan review and inspection authority to The Charter Township of Meridian Building Department. Seconded by Trustee Opsommer.

Board and staff discussion:

- Board member belief local government collaboration with shared school districts and coming together helps the schools and East Lansing, while Meridian Township retains building permit fees
- Manager stated that Meridian Township has to work with The State of Michigan, the City of East Lansing, and East Lansing Schools for this project

VOICE VOTE: YEAS: Supervisor Styka, Treasurer Brixie, Clerk Dreyfus, Trustees Deschaine, Jackson, Opsommer, Sundland

NAYS: None

Motion carried unanimously.

C. Section 61 Review- Land Preservation Purchases

Trustee Jackson moved to refer the five properties on the Land Preservations Acquisitions 2017 Map for purchase by the Land Preservation Advisory Board to the Planning Commission for a Section 61 Review in Compliance with the Michigan Planning Enabling Act. Seconded by Treasurer Brixie.

Board and staff discussion:

- Before the Board can approve, the Planning Commission reviews the proposal and options
- Board member excited about these purchases, properties acquired take years to negotiate and work out details
- Properties can be complete donations, purchased with grants, partial donation and partial purchases, and some are outright purchases
- Land Preservation will total approximately 900 acres with these additions
- Land Preservation is innovative, originated in 2000 and was the first of its kind in the state
- Preserved land will be appreciated by citizens for years to come
- Hope that Planning Commission can support requests for more land preservation projects
- Board member suggested working with the Parks Department and with volunteers to keep the preserved land natural without being overrun with invasive species

VOICE VOTE: YEAS: Supervisor Styka, Treasurer Brixie, Clerk Dreyfus, Trustees Deschaine, Jackson, Opsommer, Sundland

NAYS: None

Motion carried unanimously.

13. BOARD DISCUSSION ITEMS

A. Commission Review #17093 2017 Master Plan Update

- Director Kieselbach introduces the 2017 Master Plan Update that the Planning Commission (PC) voted to approve with conditions, ready for the Township Board meeting on November 21, 2017
- Board approved the Climate Sustainability Plan and it will be referenced in the Master Plan
- Board changes to the Master Plan requires another public hearing at the PC
- Inquiry if the Greenspace Plan is referenced like the Climate Sustainability Plan
- Master Plan does not provide clear vision on the direction Meridian wants to be moving in
- Plan focuses on mainly on increasing density, developers are going to build out apartments and party/convenience stores which serve transient renters
- Community members discussing redevelopment don't want apartments, they want destinations to go to, a park or a community interaction zone or a real grocery store
- 89% of Meridian citizens surveyed stated they do not want more apartment complexes
- Board member belief that condensing zoning categories is not a vision, it allows developers to make the decisions, and developers benefit the most from the Master Plan

- Board member assertion that MUPUD is just a tool and the developer's use of it is driving the vision, rather than citizens and the Township Board driving the vision
- Board member belief that Meridian needs more walkable areas, create interaction zones, new citizen engagement, natural sustainability and innovative landscaping
- Clerk presents examples of what Meridian could be aiming for in creating "place" with examples of innovative pocket parks: squeezed in "tight areas," can have art/murals, theater, community engagement, food carts, unique seating, waterfalls, fountains, lush greenery, a sanctuary/labyrinth, 3 dimensionality
- Commercial zones can have town squares, add innovative landscaping, be more community friendly, add water features, create new interaction patterns between people and business
- Board member belief the Master Plan does get into vision and incorporates some of these same ideas being mentioned, nothing prevents innovative ideas from being adopted
- Inquiry about medical marijuana facilities and inclusion in the Master Plan
- Ordinance has to be adopted for medical marijuana but Master Plan does not prohibit them
- Questions about several maps in the Master Plan addressing streets and pathway markings
- Funding is an issue, Meridian Redevelopment Fund and form-based code could create green spaces

B. Outdoor Assemblies

- Director Kieselbach presents information regarding a resident who submitted an application for an outdoor assembly license
- License is required under Chapter 38, Article V, Outdoor Assemblies
- An applicant proposing to have 500 people at their residence for an event, raised issues with noise, parking, disturbing other residents, and how will the host handle these issues
- Staff is willing to write an amendment to ordinances
- Township would be able to give more direction for the issues of concern
- Township will take into consideration weddings, graduation parties, and large gatherings when writing the ordinances and ordinances amendments
- Board members wonder why a need for an regulations regarding large gatherings since they are rare, questioned if there have been reports of problems in the past
- Board member suggests a threshold for gathering sizes

14. COMMENTS FROM THE PUBLIC

Supervisor Styka opened Public Remarks.

Jack Vos, 5720 Lebaron Ct., East Lansing; his primary concern is the Master Plan adding density to open spaces, and stated the township is struggling to have open spaces that aren't designated as public parks. Masonic Temple had many problems with the Township in the past when trying to add parking, so how can there now be apartment buildings designated in that same flood area? He wondered if planners saw blank spaces on a map and decided to indiscriminately fill up spaces with apartments.

James Hart, 5706 Lebaron Ct., East Lansing; President of Okemos Masonic Temple, one of the oldest entities in Meridian Township and zoned commercial, feel they are being forced to consider selling and move out of the area. Wants the Board to understand their concerns and states that they have to adapt to the Master Plan. They are worried about how they will fit into the plan.

Supervisor Styka closed Public Remarks.

15. OTHER MATTERS AND BOARD MEMBER COMMENTS

Treasure Brixie stated that tickets are available to the Okemos Education Foundation Banquet held on November 16, 2017 to celebrate the people who contribute to the Okemos Public Schools, she noted the Supervisor is receiving a volunteer award.

Trustee Deschaine mentioned that The Friends of Historic Meridian Annual Meeting is November 12, 2017 at 3:00P.M., he praised their volunteer work and fundraising for the Historical Village.

Township offices are closed for Veterans Day on Friday, November 10, 2017.

16. ADJOURNMENT

Treasure Brixie moved to adjourn. Seconded by Trustee Opsommer

VOICE VOTE: YEAS: Supervisor Styka, Treasurer Brixie, Clerk Dreyfus, Trustees Deschaine, Jackson, Opsommer, Sundland

NAYS: None

Motion carried unanimously.

Supervisor Styka adjourned the meeting at 8:05P.M.

RONALD J. STYKA
TOWNSHIP SUPERVISOR

BRETT DREYFUS, CMMC
TOWNSHIP CLERK

Maggie Rodgers-Sanders, Secretary



9.C

To: Board Members
From: Miriam Mattison
Miriam Mattison, Finance Director
Date: November 21, 2017
Re: Board Bills

MOVED THAT THE TOWNSHIP BOARD APPROVE THE MANAGER'S
BILLS AS FOLLOWS:

COMMON CASH	\$	206,861.11
PUBLIC WORKS	\$	97,244.91
TRUST & AGENCY	\$	60.00
	TOTAL CHECKS:	\$ 304,166.02
CREDIT CARD TRANSACTIONS	\$	7,394.86
Nov 3rd through Nov 15th		
	TOTAL PURCHASES:	\$ <u>311,560.88</u>
ACH PAYMENTS	\$	<u>451,207.20</u>

11/16/2017 10:50 AM
 User: hudecek
 DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN
 EXP CHECK RUN DATES 11/21/2017 - 11/21/2017
 JOURNALIZED OPEN AND PAID
 BANK CODE: GF

Vendor Name	Description	Amount	Check #
1. 2/42 COMMUNITY CHURCH	STIPEND FOR SPECIAL ELECTION 11/7	75.00	
2. TALA ABOLIBDEH	ELECTION INSPECTOR	77.50	
3. ABONMARCHE	STREET ASSET MANAGEMENT PLAN 17-0532	1,377.50	
	MERIDIAN FACILITIES ASSESSMENT	2,520.50	
	TOTAL	3,898.00	
4. CATHERINE ADAMS	REIMBURSEMENT FOR MILEAGE - SEPT & OCT	61.53	
5. RUTH A AEDER	ELECTION INSPECTOR	175.00	
6. AIRGAS GREAT LAKES	STANDING PO - MEDICAL OXYGEN	65.70	
	STANDING PO - MEDICAL OXYGEN	477.15	
	TOTAL	542.85	
7. ALDINGER INC	UTILITY BILLING 10/13	514.10	
	UTILITY BILLING 10/31	515.22	
	#10 WINDOW ENVELOPES	145.11	
	TOTAL	1,174.43	
8. RUTH ALLEN	ELECTION INSPECTOR	170.00	
9. AMERICAN PLANNING ASSOCIATION	2018 ZONING PRACTICE	95.00	
10. APPLGATE INC	REIMBUSREMENT PERMIT WAS CANCELED-ST MARTHA'S SCHOOL	320.00	
11. ASAP PRINTING	FORMS AND PAMPHLET PRINTING	244.91	
12. AT & T	MONTHLY SERVICE	30.22	
13. AT & T	MONTHLY SERVICE	124.83	
	MONTHLY SERVICE	121.80	
	MONTHLY SERVICE	121.80	
	MONTHLY SERVICE	267.81	
	MONTHLY SERVICE	125.88	
	MONTHLY SERVICE	125.88	
	MONTHLY SERVICE	374.64	
	MONTHLY SERVICE	2,595.39	
	MONTHLY SERVICE	2,775.39	
	TOTAL	6,633.42	
14. AT & T MOBILITY	MONTHLY SERVICE	91.07	
15. AUTO VALUE OF EAST LANSING	FLEET REPAIR PARTS 2017	125.00	
	TIP CLEANER	6.49	
	FLEET REPAIR PARTS 2017	7.09	
	FLEET REPAIR PARTS 2017	4.89	
	BATTERY	124.99	
	FLEET REPAIR PARTS 2017	40.50	
	FLEET REPAIR PARTS 2017	369.55	
	TOTAL	678.51	
16. ROSE MARIE BAUMANN	ELECTION INSPECTOR	210.00	
17. RICHARD BEADERSTADT	ELECTION INSPECTOR	210.00	
18. BETH BECHTEL	ELECTION INSPECTOR	175.00	

11/16/2017 10:50 AM
 User: hudecek
 DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN
 EXP CHECK RUN DATES 11/21/2017 - 11/21/2017
 JOURNALIZED OPEN AND PAID
 BANK CODE: GF

Vendor Name	Description	Amount	Check #
19. ANN M BECK	ELECTION INSPECTOR	140.00	
20. RUTH BECKER	ELECTION INSPECTOR	200.00	
21. BEE'S PREP & ASPHALT	2017 CONCRETE REPAIRS	7,774.02	
22. PAULA BJORNSTAD	ELECTION INSPECTOR	160.00	
23. BLACKBURN MFG CO	FLAGS & MULTI COLOR FLO WATER	250.12	
24. DELPHINE BOOS	ELECTION INSPECTOR	85.00	
25. BOYNTON FIRE SAFETY SERVICE	FIRE EXTINGUISHER INSPECTION ANNUAL	225.00	
26. JAMES BRAZIER	ELECTION INSPECTOR	220.00	
27. MARILYN BRITTEN	ELECTION INSPECTOR	195.00	
28. CONSTANCE M BRITZ	ELECTION INSPECTOR	90.00	
29. SUZANNE BROUSE	ELECTION INSPECTOR	190.00	
30. BS&A SOFTWARE	ACCESS MY GOV ANNUAL SERVICE	12,600.00	
31. CAPITAL CITY INTERNATIONAL TRUCKS	ANNUAL DOT INSPECTIONS ESTIMATE	1,821.26	
	ANNUAL DOT INSPECTIONS ESTIMATE	(353.10)	
	ANNUAL DOT INSPECTIONS ESTIMATE	1,218.05	
	ANNUAL DOT INSPECTIONS ESTIMATE	500.48	
	TOTAL	3,186.69	
32. GINNY CHEUNG	PARTIAL REFUND RENTAL REGISTRATION FEE 2044 HAMILTON RD #27	700.00	
33. CINTAS CORPORATION #725	MECHANIC'S UNIFORMS	34.37	
	MECHANIC'S UNIFORMS	34.37	
	TOTAL	68.74	
34. JAMES A CIOLEK	ELECTION INSPECTOR	215.00	
35. CITY OF EAST LANSING	SHARED ASSESSOR SERVICES	6,620.55	
36. CITY PULSE	TWP NOTICES	75.45	
37. COMCAST CABLE	MONTHLY SERVICE	149.85	
38. SALLY CONLEY	ELECTION INSPECTOR	160.00	
39. CONSUMERS ENERGY	MONTHLY SERVICE	8.78	
40. JERRE CORY	ELECTION INSPECTOR	140.00	
41. COURTESY FORD	FORD REPAIR PARTS 2017	18.96	
	FORD REPAIR PARTS 2017	107.34	
	FORD REPAIR PARTS 2017	18.75	
	FORD REPAIR PARTS 2017	468.48	
	TOTAL	613.53	
42. ROSLYN COVEY	ELECTION INSPECTOR	162.50	
43. ANNE CRUCE	ELECTION INSPECTOR	200.00	
44. CHERYL DAVIO	ELECTION INSPECTOR	165.00	

11/16/2017 10:50 AM
User: hudecek
DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN
EXP CHECK RUN DATES 11/21/2017 - 11/21/2017
JOURNALIZED OPEN AND PAID
BANK CODE: GF

Vendor Name	Description	Amount	Check #
45. EVELYN DAVIS	ELECTION INSPECTOR	150.00	
46. VIRGINIA DAWSON	ELECTION INSPECTOR	210.00	
47. DBI	BINDERS	15.60	
	DESK CALENDAR	6.29	
	PLANNER	17.84	
	PLANNER	17.84	
	DESK CALENDARS	62.90	
	WALL CALENDAR & CLIPS	16.33	
	TOTAL	136.80	
48. JAMES DETJEN	ELECTION INSPECTOR	95.00	
49. DEWOLF AND ASSOCIATES	F.T.O. PROGRAM - OFFICER KING	745.00	
50. DIETZ JANITORIAL SERVICE INC	JANITORIAL SERVICE PSB, MUN BUILD, HARRIS CENTER 2017	2,001.90	
	JANITORIAL SERVICE PSB, MUN BUILD, HARRIS CENTER 2017	343.00	
	TOTAL	2,344.90	
51. KELSEY DILLON	REIMBURSEMENT FOR MILEAGE - OCT	26.75	
52. CHRISTINE DUVAL	ELECTION INSPECTOR	207.50	
53. MARY EDGAR	ELECTION INSPECTOR	200.00	
54. CATHERINE EDGAR	ELECTION INSPECTOR	225.00	
55. ELECTION SOURCE	KEYLESS SECURITY SEALS	31.19	
56. BERTICE L ELLIS	ELECTION INSPECTOR	207.50	
57. VERONICA ESTRELLA	ELECTION INSPECTOR	165.00	
58. ELIZABETH EVANGELISTA	ELECTION INSPECTOR	140.00	
59. FAHEY SCHULTZ BURZYCH RHODES PLC	LEGAL FEES-NOV	5,000.00	
	LEGAL FEES	120.00	
	LEGAL FEES	400.00	
	LEGAL FEES	900.00	
	LEGAL FEES	480.00	
	LEGAL FEES	440.00	
	LEGAL FEES	2,087.50	
	LEGAL FEES	1,000.00	
	LEGAL FEES	160.00	
	LEGAL FEES	100.00	
	LEGAL FEES	82.00	
	LEGAL FEES	3,000.00	
	LEGAL FEES	1,332.00	
	LEGAL FEES	1,110.40	
	TOTAL	16,211.90	
60. DEANNE FELDPAUSCH	ELECTION INSPECTOR	50.00	
61. ALEXANDRA FINELLI	ELECTION INSPECTOR	162.50	
62. FIRST COMMUNICATIONS	MONTHLY SERVICE	908.22	
63. MARY FLETCHER	ELECTION INSPECTOR	75.00	
64. MARY ELIZABETH FLETCHER	ELECTION INSPECTOR	75.00	

11/16/2017 10:50 AM
User: hudecek
DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN
EXP CHECK RUN DATES 11/21/2017 - 11/21/2017
JOURNALIZED OPEN AND PAID
BANK CODE: GF

Vendor Name	Description	Amount	Check #
65. NANCY FREEMAN	ELECTION INSPECTOR	162.50	
66. FRIEDLAND INDUSTRIES INC	FALL CLEAN UP EVENT	450.10	
67. BARBARA GARRARD	ELECTION INSPECTOR	202.50	
68. JOHN GARRISON	ELECTION INSPECTOR	167.50	
69. EDWARD GENT	ELECTION INSPECTOR	152.50	
70. CAROL ANN GIACIN	ELECTION INSPECTOR	150.00	
71. KATHRYN GILLISON	ELECTION INSPECTOR	205.00	
72. GRANGER	ACCT #1106100 5151 MARSH RD	111.00	
	ACCT #1106200 2100 GAYLORD C SMITH	128.51	
	ACCT #1106300 3711 OKEMOS	67.40	
	ACCT #2509750 5000 OKEMOS	76.00	
	ACCT #2598840 2100 GAYLORD C SMITH	75.00	
	ACCT#15896200 MONTHLY SERVICE	270.30	
	ACCT #16021600 2140 HASLETT & 3711 OKEMOS	9.00	
	ACCT #17334070 5151 MARSH RD	87.00	
	ACCT #17349880 2100 GAYLORD C SMITH	17.50	
	TOTAL	841.71	
73. JOAN GRAY	ELECTION INSPETOR	202.50	
74. STEPHANEY GUILD	ELECTION INSPECTOR	50.00	
75. H.C. BERGER COMPANY	CONTRACT BILLING HNC	29.27	
76. DIANNE HADDOCK	ELECTION INSPECTOR	152.50	
77. ROGER HALLEY	ELECTION INSPECTOR	205.00	
78. CHRISTINE HAMPTON	ELECTION INSPECTOR	202.50	
79. JAYNE HARRIS	ELECTION INSPECTOR	207.50	
80. ANN HARVEY	ELECTION INSPECTOR	195.00	
81. MARLENE HARVITH	ELECTION INSPECTOR	140.00	
82. HASLETT PUBLIC SCHOOLS	BUS TRANSPORTATION - LUGNUTS GAME	179.27	
83. HASLETT COMMUNITY CHURCH	STIPEND FOR SPECIAL ELECTION 11/7	75.00	
84. ELAINE HIGH	ELECTION INSPECTOR	167.50	
85. B RAY HORN	ELECTION INSPECTOR	202.50	
86. DAVID HORNER	ELECTION INSPECTOR	87.50	
87. BETH HUBBELL	ELECTION INSPECTOR	157.50	
88. DAWN HUDECEK	ELECTION INSPECTOR	50.00	
89. JEROME HULL JR	ELECTION INSPECTOR	162.50	
90. INTERNATIONAL CODE COUNCIL	ICC MEMBERSHIP 2018 J. HECKAMAN	135.00	
91. IRON MOUNTAIN	RECORD SHREDDING SERVICE	49.35	
92. PATRICIA JACKSON	REIMBURSEMENT HOTEL-CONFERENCE IN HOLLAND MI	391.29	

11/16/2017 10:50 AM
 User: hudecek
 DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN
 EXP CHECK RUN DATES 11/21/2017 - 11/21/2017
 JOURNALIZED OPEN AND PAID
 BANK CODE: GF

Vendor Name	Description	Amount	Check #
93. JOHN DEERE FINANCIAL	FLEET FUEL 2017	10,302.15	96700
	FLEET FUEL 2017	3,901.27	96700
	TOTAL	14,203.42	
94. ALEX JOHNSON	ELECTION INSPETOR	62.50	
95. NANCY G KANISTANAUX	ELECTION INSPECTOR	210.00	
96. SANDRA KARNES	ELECTION INSPECTOR	195.00	
97. JEAN KAUFMANN	ELECTION INSPECTOR	155.00	
98. JAGJIT KHANUJA	ELECTION INSPECTOR	177.50	
99. L3 COMM MOBILE VISION INC	EXTENDED MAINTENANCE AGGREETMENT FOR MOBILE VISION SOFTWARE	3,730.00	
100 LAND'S END BUSINESS OUTFITTERS	NEW BRAND - STAFF JACKETS	861.70	
101 LANSING UNIFORM COMPANY	STANDING PO - UNIFORMS	64.95	
	STANDARD POLICE UNIFORM PURCHASE	258.00	
	STANDING PO - UNIFORMS	85.90	
	STANDING PO - UNIFORMS	158.85	
	STANDING PO - UNIFORMS	109.90	
	STANDING PO - UNIFORMS	205.00	
	TOTAL	882.60	
102 REBECCA MAY LEEFERS	ELECTION INSPECTOR	200.00	
103 IRMA JEAN LILLROSE	ELECTION INSPECTOR	192.50	
104 KATHERINE NINA LINCOLN	ELECTION INSPECTOR	155.00	
105 JANET LINCOLN	ELECTION INSPECTOR	92.50	
106 TOM MARSHALL	ELECTION INSPECTOR	200.00	
107 ROBIN MATTESON	ELECTION INSPECTOR	92.50	
108 TOM MCRAE	ELECTION INSPECTOR	152.50	
109 MERIDIAN TOWNSHIP	TRANSFER FOR FLEX CKING PAYROLL 11/10	1,151.89	
110 MEDICAL MANAGEMENT SYSTEMS OF	COLLECTION FEE	5,923.28	
111 MICHIGAN.COM	MONTHLY ADS	552.44	
112 MICHIGAN MUNICIPAL LEAGUE	POLICY PREMIUM	43,789.15	
113 MID MICHIGAN EMERGENCY EQUIPMENT	EMERGENCY LIGHTING REPLACEMENTS 2017	352.00	
114 CYNTHIA MIMS	ELECTION INSPECTOR	152.50	
115 MOORE MEDICAL LLC	STANDING PO FOR EMS SUPPLIES/EQUIPMENT	175.89	
	STANDING PO FOR MEDICAL SUPPLIES	1,420.64	
	STANDING PO FOR MEDICAL SUPPLIES	2,506.02	
	TOTAL	4,102.55	
116 MATT MORFORD	ELECTION INSPECTOR	62.50	
117 MUZZALL GRAPHICS	TAX BILLS AND TAX NOTICES	725.25	
118 NAMI-LANSING	CRISIS INTERVENTION TRAINING	300.00	

11/16/2017 10:50 AM
 User: hudecek
 DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN
 EXP CHECK RUN DATES 11/21/2017 - 11/21/2017
 JOURNALIZED OPEN AND PAID
 BANK CODE: GF

Vendor Name	Description	Amount	Check #
119 NAPA	REPAIR PARTS 9/17-12/17	73.44	
	TIP DRILL SET	16.49	
	JUMP STARTER & TESTER	349.98	
	HARMONIC BALANCER PULLERS	78.28	
	TOTAL	518.19	
120 NETWORKFLEET, INC	VERIZON NETWORKFLEET MONTHLY SERVICES MAY THROUGH DECEMBER 2017	56.85	
121 NEW HOPE CHURCH	STIPEND FOR SPECIAL ELECTION 11/7	75.00	
122 OKEMOS COMMUNITY EDUCATION	NOVEMBER ELECTION-WARDCLIFF ELEMENTARY GYM	200.00	
123 OVERHEAD DOOR OF LANSING	PARTS & LABOR	653.61	
124 CARRIE L OWENS	ELECTION INSPECTOR	205.00	
125 ELLEN K PASSAGE	ELECTION INSPECTOR	195.00	
126 AMANDA PATTON	ELECTION INSPECTOR	80.00	
127 PECKHAM	MUNICIPALBUILDING/CEN FIRE JANITORIAL 2017	2,445.16	
128 ANNE PERKINS	ELECTION INSPECTOR	80.00	
129 MARY ANN PETERSON	ELECTION INSPECTOR	195.00	
130 GINGER PETTY	ELECTION INSPECTOR	192.50	
131 KEN PHINNEY	REIMBURSEMENT FOR EYE GLASSES	100.00	
132 THE POLACK CORPORATION	MONTHLY CONTRACT	3,045.36	
133 POSTMASTER	ANNUAL MAILING PERMIT #27	225.00	
	ANNUAL MAILING PERMIT #28	225.00	
	POSTAGE FOR UTILITY BILLS 11/15/17	314.17	96698
	TOTAL	764.17	
134 PRINTING SYSTEMS INC	ELECTION SUPPLIES	44.13	
	ELECTION SUPPLIES	44.81	
	TOTAL	88.94	
135 PRINT MAKERS SERVICE INC	MONTHLY METER CHARGE	185.87	
136 PROFESSIONAL SERVICES INDUSTRIES	SOIL TESTING FOR TOWNER ROAD PARK PROJECT	5,272.00	
137 PRO-TECH MECHANICAL SERVICES	NO A/C UPSTAIRS NORTH	105.00	
	NO A/C PSB	1,100.00	
	SERVICE CENTER - LABOR	140.00	
	NO HEAT N. FIRE STATION	621.90	
	MUNICIPAL BUILDING LABOR	1,265.53	
	TOTAL	3,232.43	
138 RICHARD RADWAY	ELECTION INSPECTOR	162.50	
139 JOAN RATLIFF	ELECTION INSPECTOR	92.50	
140 EMMA REARDON	ELECTION INSPECTOR	160.00	
141 REDWOOD LANDSCAPING	PATHWAY MOWING AND TRIMMING 2017	4,500.00	
142 STEVE RENKE	PERMIT @ 6093 E LAKE RD CANCELED	37.50	

11/16/2017 10:50 AM
 User: hudecek
 DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN
 EXP CHECK RUN DATES 11/21/2017 - 11/21/2017
 JOURNALIZED OPEN AND PAID
 BANK CODE: GF

Vendor Name	Description	Amount	Check #
143 KIT RICH	REIMBURSEMENT FOR MILEAGE SEPT & OCT	141.78	
144 RM ELECTRIC INC	CROSSWALK @ KINAWA STREET	305.30	
145 SHIRLEY RUMMINGER	ELECTION INSPECTOR	215.00	
146 SAFETY SERVICES INC	SAFETY GLASSES & JACKET FOR STAFF	88.93	
147 SAFETY SYSTEMS INC	ANNUAL ALARM SERVICE AGREEMENT	420.00	
148 MARGARET SANDERS	REIMBURSEMENT FOR MILEAGE - OCT	9.52	
149 JUDY SCHUSTER	ELECTION INSPECTOR	167.50	
150 JOHN SCOTTCRAIG	ELECTION INSPECTOR	202.50	
151 SHAHEEN CHEVROLET INC	EMERGENCY AMBULANCE REPAIR	802.80	
152 ADREANNA SHAW	ELECTION INSPECTOR	157.50	
153 JOYCE SMITH	ELECTION INSPECTOR	167.50	
154 SPARROW OCCUPATIONAL	PROFESSIONAL SERVICES	253.50	
155 SPECIAL A'FARE CATERING	CATERING FOR INTERN APPRECIATION NIGHT	636.19	
156 STAMP RITE INC	REPLACEMENT PAD FOR STAMP	5.00	
157 STATE OF MICHIGAN	FEE FOR NEW MEDIC LICENSE	25.00	96699
	ASSESSOR CERTIFICATION RENEWAL-DAVID UPCHURCH	175.00	
	SRMS FEES 10/1/17-9/30/18	7,800.00	
	ANNUAL WELL WATER SUPPLY FEE	137.22	
	TOTAL	8,137.22	
158 ST LUKE LUTHERAN CHURCH	STIPEND FOR SPECIAL ELECTION 11/7	75.00	
159 SWAGIT PRODUCTIONS, LLC	VIDEO STREAMING SERVICES AND CLOSED CAPTIONING SERVICES	3,462.00	
160 JANET M SWISS	ELECTION INSPECTOR	95.00	
161 JOSHUA SYMANZIK	ELECTION INSPECTOR	140.00	
	ELECTION INSPECTOR	200.00	
	TOTAL	340.00	
162 RACHEL SYMANZIK	ELECTION INSPECTOR	140.00	
163 TRACY SYMANZIK	ELECTION INSPECTOR	157.50	
164 JODIE SZALANKIEWICZ	REIMBURSEMENT FOR SENIOR BRUNCH FLORAL ARRANGEMENTS	30.76	
165 AXON ENTERPRISE, INC	TASER CARTRIDGES	990.00	
166 TRINA TAYLOR	ELECTION INSPECTOR	220.00	
167 JANET THOMAS	ELECTION INSPECTOR	75.00	
168 RENEE TIERNEY	ELECTION INSPECTOR	105.00	
169 DONNA TIMOCK	ELECTION INSPECTOR	182.50	
170 TITUS FARM LLC	PUMPKINS FOR HALLOWEEN ADVENTURES @ HNC	100.00	
171 MARY TREBILCOCK	ELECTION INSPECTOR	205.00	

11/16/2017 10:50 AM
 User: hudecek
 DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN
 EXP CHECK RUN DATES 11/21/2017 - 11/21/2017
 JOURNALIZED OPEN AND PAID
 BANK CODE: GF

Vendor Name	Description	Amount	Check #
172 MARY TURNER	ELECTION INSPECTOR	162.50	
173 UNITED CHURCH OF CHRIST	STIPEND FOR SPECIAL ELECTION 11/7	75.00	
174 VERIZON WIRELESS	MONTHLY SERVICE	2,457.86	
175 VIRIDIS DESIGN GROUP	BIDDING AND CONSTRUCTION ADMINISTRATIVE SERVICES - CONT WORK PO 52172	3,880.00	
176 PATRICIA A WALSH	ELECTION INSPECTOR	207.50	
177 JUDY WENZEL	ELECTION INSPECTOR	140.00	
178 WEST SHORE FIRE	SCBA REPAIRS - PARTS	11.25	
	SCBA MASK AMPLIFIER REPAIR	135.00	
	STANDING PO - ALERT SIREN MAINTENANCE	2,175.00	
	TOTAL	2,321.25	
179 ELIZABETH WHISTON	ELECTION INSPECTOR	195.00	
180 KAREN R WHITMYER	ELECTION INSPECTOR	172.50	
181 DONNA WILSON	ELECTION INSPECTOR	172.50	
182 DOREEN WOODWARD	ELECTION INSPECTOR	165.00	
183 JUANITA WORD	ELECTION INSPECTOR	155.00	
184 XFINITY	MONTHLY SERVICE	12.82	
185 JILL YARBROUGH	ELECTION INSPECTOR	107.50	
186 ZOLL MEDICAL CORP	STANDING PO FOR HEART MONITOR SUPPLIES	338.40	
TOTAL - ALL VENDORS		206,861.11	
FUND TOTALS:			
Fund 101 - GENERAL FUND		155,802.35	
Fund 203 - LOCAL ROADS		1,598.00	
Fund 204 - PEDESTRIAN BIKEPATH MILLAGE		6,420.31	
Fund 208 - PARK MILLAGE		11,602.36	
Fund 209 - Land Preservation Millage		100.33	
Fund 211 - PARK RESTRICTED/DESIGNATED		143.22	
Fund 230 - CABLE TV		5,445.50	
Fund 246 - TIRF		4,516.58	
Fund 661 - MOTOR POOL		21,232.46	

11/16/2017 10:50 AM
 User: hudecek
 DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN
 EXP CHECK RUN DATES 11/21/2017 - 11/21/2017
 JOURNALIZED OPEN AND PAID
 BANK CODE: PW

Vendor Name	Description	Amount	Check #
1. BEE'S PREP & ASPHALT	2017 CONCRETE REPAIRS	4,511.63	
2. BLACKBURN MFG CO	FLAGS & MULTI COLOR FLO WATER	450.63	
3. FERGUSON WATERWORKS #3386	T-10 MTR ECDR USG	1,931.47	
	WATER REPAIR PARTS 2017	572.00	
	TOTAL	<u>2,503.47</u>	
4. FISHBECK, THOMPSON, CARR & HUBER	SAW - PROFESSIONAL SERVICES THROUGH 10/31/17	63,840.58	
5. GRAINGER	CLEANING SUPPLIES	55.60	
6. MICHIGAN MUNICIPAL LEAGUE	POLICY PREMIUM	5,015.85	
7. MICHIGAN RECREATION & PARKS ASSOC.	PROFESSIONAL MEMBERSHIP TO M PARKS	135.00	
8. ONE WAY ASPHALT PAVING	2017 ASPHALT REPAIRS	1,177.40	
9. PERCEPTIVE CONTROLS	INDUCTIVE AUTOMATION BASIC CARE SCADA SOFTWARE 2018	3,526.80	
10. PRO-TECH MECHANICAL SERVICES	LABOR - MAIN LIFT STATION	105.00	
11. SAFETY SERVICES INC	42" GRABBER SAFETY CONES 16# JACKETS & SAFETY GLASSES	1,950.74 146.41	
	TOTAL	<u>2,097.15</u>	
12. TRI-COUNTY REGIONAL PLANNING	FAIR SHARE PLEDGE OF GROUNDWATER MGMT 2017/2018	13,374.00	
13. VERIZON WIRELESS	MONTHLY SERVICE	451.80	
TOTAL - ALL VENDORS		97,244.91	
FUND TOTALS:			
Fund 590 - SEWER FUND		74,616.81	
Fund 591 - WATER FUND		22,628.10	

11/16/2017 10:51 AM
User: hudecek
DB: Meridian

INVOICE APPROVAL BY INVOICE REPORT FOR CHARTER TOWNSHIP OF MERIDIAN
EXP CHECK RUN DATES 11/21/2017 - 11/21/2017
JOURNALIZED OPEN AND PAID
BANK CODE: TA

Vendor Name	Description	Amount	Check #
1. STATE OF MICHIGAN	ENDING SOR REGISTRATION DATE 10/31/17	60.00	
TOTAL - ALL VENDORS		60.00	
FUND TOTALS:			
Fund 701 - TRUST & AGENCY		60.00	

Credit Card Charges from November 3rd through November 15th

Date	Merchant Name	Amount	Account Name
2017/11/07	244 AUTO VALUE EAST LANSI	\$146.52	DAVID LESTER
2017/11/13	AC&E RENTALS OKEMOS	\$23.50	TYLER KENNEL
2017/11/06	AC&E RENTALS OKEMOS	\$152.50	MATT FOREMAN
2017/11/09	ACORN NATURALISTS	\$223.91	CATHERINE ADAMS
2017/11/03	AMAZON MKTPLACE PMTS	\$419.30	KRISTI SCHAEING
2017/11/03	AMAZON MKTPLACE PMTS	\$31.14	KRISTI SCHAEING
2017/11/04	AMAZON MKTPLACE PMTS	\$37.90	MICHELLE PRINZ
2017/11/05	AMAZON MKTPLACE PMTS	\$115.65	MICHELLE PRINZ
2017/11/14	AMAZON.COM	\$7.87	MICHELLE PRINZ
2017/11/08	AMAZON.COM AMZN.COM/BILL	\$175.18	CATHERINE ADAMS
2017/11/03	AMAZON.COM AMZN.COM/BILL	\$27.96	MICHELLE PRINZ
2017/11/08	AMAZON.COM AMZN.COM/BILL	\$11.32	MICHELLE PRINZ
2017/11/10	AMAZON.COM AMZN.COM/BILL	\$18.44	MICHELLE PRINZ
2017/11/13	AMAZON.COM AMZN.COM/BILL	\$267.40	MICHELLE PRINZ
2017/11/09	APPLE STORE #R616	\$107.95	STEPHEN GEBES
2017/11/09	ASFPM MADISON WI	\$160.00	ANGELA RYAN
2017/11/10	ATHENEUM SUITES	\$532.80	SCOTT DAWSON
2017/11/07	BAKE N CAKES	\$57.99	SCOTT DAWSON
2017/11/07	BELLE TIRE 044	\$45.00	JIM HANSEN
2017/11/07	BEST BUY 00004168	\$228.92	KATHERINE RICH
2017/11/09	BEST BUY 00004168	\$57.98	STEPHEN GEBES
2017/11/08	BIGGBY COFFEE #121	\$20.13	ROBIN FAUST
2017/11/09	BIGGBY COFFEE #121	\$31.79	ROBIN FAUST
2017/11/08	CHANNING BETE CO AHA	\$24.95	WILLIAM PRIESE
2017/11/03	CORAL GABLES OF EAST LANS	\$419.45	FRANK L WALSH
2017/11/03	DEQ PWS NCOM	\$137.22	KATHERINE RICH
2017/11/08	EBAY INC.	\$160.00	BENJAMIN MAKULSKI
2017/11/10	EBAY INC.	(\$160.00)	BENJAMIN MAKULSKI
2017/11/14	FOSTER SMITH MAIL ORDR	\$158.94	CATHERINE ADAMS
2017/11/08	GHB - OKEMOS	\$6.75	ROBIN FAUST
2017/11/06	HAMMOND FARMSLANDS	\$72.50	ROBERT STACY
2017/11/06	HAMMOND FARMSLANDS	\$30.75	DAVID LESTER
2017/11/07	HAMMOND FARMSLANDS	\$100.00	KEITH HEWITT
2017/11/06	HENRY'S PLACE	(\$40.00)	MIRIAM MATTISON
2017/11/07	HINES PRODUCTS CORP.	\$175.00	KRISTI SCHAEING
2017/11/13	HOBBY LOBBY #360	\$65.00	KRISTI SCHAEING
2017/11/07	I-TECH MANUFACTURING COMP	\$1,025.00	WILLIAM PRIESE
2017/11/08	JETS PIZZA OF HASLETT	\$85.98	MICHELLE PRINZ
2017/11/08	JETS PIZZA OF HASLETT	\$6.35	MICHELLE PRINZ
2017/11/09	KROGER #793	\$25.88	DARCIE WEIGAND
2017/11/09	LOWES #00777*	\$11.94	DENNIS ANTONE
2017/11/07	MEIJER INC #025 Q01	\$39.92	KATHERINE RICH
2017/11/07	MEIJER INC #025 Q01	\$23.95	BRETT DREYFUS
2017/11/09	MICHIGAN ASSOCIATION OF C	\$255.00	DAVID HALL
2017/11/08	MICHIGAN ECONOMIC DEVELOP	\$100.00	CHRIS BUCK
2017/11/14	MIDWEST POWER EQUIPMEN	\$68.90	MATTHEW WALTERS
2017/11/06	NFPA NATL FIRE PROTECT	\$71.45	DEREK BURCHAM
2017/11/07	OFFICEMAX/OFFICEDEPOT #61	\$24.98	SCOTT DAWSON

2017/11/06	OFFICEMAX/OFFICEDEPOT #61	\$19.99	CATHERINE ADAMS
2017/11/14	OKEMOS HDWE INC	\$5.59	MATTHEW WALTERS
2017/11/08	OKEMOS HDWE INC	\$16.08	ROBERT STACY
2017/11/07	OKEMOS HDWE INC	\$79.16	KATHERINE RICH
2017/11/14	PETMOUNTAIN COM	\$94.86	CATHERINE ADAMS
2017/11/06	SHAHEEN CHEVROLET	\$149.99	JIM HANSEN
2017/11/03	SOLDANS FEEDS PET S	\$10.74	CATHERINE ADAMS
2017/11/09	SQ *CHARLES FANTA	\$206.00	CATHERINE ADAMS
2017/11/11	STAPLES DIRECT	\$110.43	KATHERINE RICH
2017/11/07	SUBWAY 00043992	\$68.52	BRETT DREYFUS
2017/11/13	THE HOME DEPOT #2723	\$62.16	ROBERT STACY
2017/11/13	THE HOME DEPOT #2723	\$35.97	TYLER KENNELL
2017/11/13	THE HOME DEPOT #2723	\$9.98	PETER VASILION
2017/11/13	THE HOME DEPOT #2723	\$29.98	PETER VASILION
2017/11/03	THE HOME DEPOT #2723	\$21.94	DAN PALACIOS
2017/11/07	THE HOME DEPOT #2723	\$119.82	WILLIAM PRIESE
2017/11/03	THE HOME DEPOT #2723	\$46.73	KEITH HEWITT
2017/11/07	THE HOME DEPOT #2723	\$28.94	KEITH HEWITT
2017/11/09	THE HOME DEPOT #2723	(\$28.94)	KEITH HEWITT
2017/11/06	THE HOME DEPOT #2723	\$3.27	MATT FOREMAN
2017/11/06	THE HOME DEPOT #2723	\$31.52	MATT FOREMAN
2017/11/06	THE HOME DEPOT #2723	\$39.91	MATT FOREMAN
2017/11/08	TLF*SMITH FLORAL AND GREE	\$21.00	DARLA JACKSON
2017/11/08	U-HAUL JOLLY CEDAR	\$140.81	KEITH HEWITT
2017/11/08	U-HAUL JOLLY CEDAR	\$128.30	KEITH HEWITT
2017/11/09	VERIZON WRLS M4806-01	\$97.46	STEPHEN GEBES
2017/11/09	WEST MARINE #184	\$34.99	ROBERT MACKENZIE
2017/11/06	WW GRAINGER	\$18.60	DAVID LESTER

TOTAL

\$7,394.86

ACH Transactions

Date	Payee	Amount	Purpose
11/07/17	Blue Care Network	13,647.87	Employee Health Insurance
11/07/17	Consumers Energy	51,811.85	Twp Electric & Gas
11/08/17	ICMA	31,885.65	Payroll Deductions 11/10/17 Payroll
11/08/17	IRS	96,786.09	Payroll Taxes 11/10/17 Payroll
11/08/17	Various Financial Institutions	243,617.05	Direct Deposit 11/10/17 Payroll
11/16/17	Blue Care Network	13,458.69	Employee Health Insurance
	Total ACH Payments	<u><u>451,207.20</u></u>	



9. D

To: Board Members
From: Joyce A. Marx
Joyce A. Marx, Human Resources Director
Date: November 16, 2017
Re: Ratification of New Police Officer Appointment

The Township has presented a conditional offer of employment to a qualified police officer candidate. The prospective hiring will bring the staffing level of the police department to thirty-eight (38) sworn personnel.

Lerico White obtained his Associates Degree in Criminal Justice from Mott Community College and graduated from the Law Enforcement Regional Training Academy (LERTA) in Flint, MI. He is excited to serve Meridian Township.

A motion is prepared for Board consideration:

MOVE TO RATIFY THE APPOINTMENT OF LERICO WHITE TO THE POSITION OF POLICE OFFICER CONTINGENT UPON SUCCESSFUL COMPLETION OF THOSE ITEMS STIPULATED IN THE CONDITIONAL OFFER OF EMPLOYMENT.



12.A

TO: Township Board
FROM: Mark Kieselbach
Mark Kieselbach
Director of Community Planning and Development
Peter Menser
Peter Menser
Senior Planner

DATE: November 15, 2017

RE: Commission Review #17093 - 2017 Master Plan

The Township Board discussed the 2017 Master Plan at its November 9, 2017 regular meeting. No changes to the document were proposed by the Board. The three conditions identified by the Planning Commission as part of its approval of the Master Plan; revisions to the Community Facilities map, the Public Transit map, and the Acknowledgments page, have been completed. The two revised maps were included in the November 9, 2017 meeting packet and the updated Acknowledgments page is attached for the Board's review. Another previously discussed revision, the addition of a reference to the Climate Sustainability Plan, has also been completed.

A majority vote of the Township Board is required to approve the Master Plan. If the Township Board approves the Master Plan, the Michigan Planning Enabling Act (the "MPEA," Public Act 33 of 2008) requires the Secretary of the Planning Commission to distribute copies of the approved Plan to adjacent municipalities, utilities, and government agencies. It also requires statements recording Planning Commission and Township Board approvals to be added to the inside of the front or back cover of the document. A copy of the signed resolution approving the Plan will also be included.

Township Board Options

The Township Board has the option to approve or reject the 2017 Master Plan. Any changes proposed to the content of the plan (other than typographical or formatting) will require the Planning Commission to hold a new public hearing. A resolution to approve the Plan is attached.

- **MOVE to adopt the resolution approving the 2017 Master Plan and to request the Secretary of the Planning Commission to distribute copies of the approved Plan to adjacent municipalities, utilities, and government agencies as required by the MPEA.**

Attachments

1. Resolution to approve
2. Acknowledgements page from the 2017 Master Plan

G:\Community Planning & Development\Planning\COMMISSION REVIEWS (CR)\2017\17093 (Master Plan)\CR 17093 memo.tb1.docx

RESOLUTION TO APPROVE

**Commission Review #17093
2017 Master Plan**

RESOLUTION

At a regular meeting of the Township Board of the Charter Township of Meridian, Ingham County, Michigan, held at the Meridian Municipal Building, in said Township on the 21st day of November, 2017, at 6:00 p.m., Local Time.

PRESENT: _____

ABSENT: _____

The following resolution was offered by _____ and supported by _____.

WHEREAS, the Michigan Planning Enabling Act (Public Act 33 of 2008) authorizes the Planning Commission to prepare a Master Plan for the use, development, and preservation of all lands in the Township and to amend the Plan as needed from time-to-time; and

WHEREAS, the Charter Township of Meridian retained a professional planning consultant, McKenna Associates, to assist the Planning Commission with the technical studies necessary to draft the Plan; and

WHEREAS, the Planning Commission prepared a proposed updated Master Plan and Future Land Use Map and submitted the plan to the Township Board for review and comment; and

WHEREAS, at its regular meeting on Feb 21, 2017, the Township Board received and reviewed the proposed Master Plan prepared by the Planning Commission and authorized distribution of the Master Plan to the Notice Group entities identified in the Michigan Planning Enabling Act; and

WHEREAS, notice was provided to the Notice Group entities as required in the Michigan Planning Enabling Act; and

WHEREAS, the Planning Commission held a public hearing at its regular meeting on October 23, 2017 to consider public comment on the proposed updated Master Plan and to further review and comment on the proposed updated Master Plan; and

WHEREAS, the Planning Commission voted 8-0 to approve the Master Plan, subject to the following conditions: revisions to the Community Facilities map, the Public Transit map, and the Acknowledgments page; and

WHEREAS, the conditions established by the Planning Commission in its approval of the Master Plan have been completed; and

WHEREAS, the Township Board discussed the Master Plan at its meeting on November 9, 2017 and reviewed the material forwarded by staff under a cover memorandum dated November 1, 2017; and

WHEREAS, the Township Board finds that the proposed Master Plan is desirable, proper, and reasonable and furthers the use, preservation, and development goals and strategies of the Township.

Acknowledgments

Township Board

Ronald J. Styka, Supervisor
 Brett Dreyfus, Clerk
 Julie Brixie, Treasurer
 Phil Deschaine, Trustee
 Patricia Herring Jackson, Trustee
 Dan Opsommer, Trustee
 Kathy Ann Sundland, Trustee
 Elizabeth LeGoff *
 Milton L. Scales*
 John R. Veenstra*
 Angela Wilson*

*former member

Township Manager

Frank Walsh

Community Planning and Development Department

Mark Kieselbach, Director
 Peter Menser
 Gail Oranchak

Planning Commission

Dante Ianni, Chair
 John Scott-Craig, Vice-Chair
 Holly Cordill, Secretary
 Christine Tenaglia
 Brett DeGross*
 Ken Lane
 David Premoe
 Jerry Richards
 Samantha Baruah
 Patricia Herring Jackson*
 Richard Honicky*
 Dan Opsommer*
 Joyce Van Coevering*

Wayne Beyea*
 Tom Deits*
 David DeLind*
 Adrienne Goldsberry*
 Shane Goodale*
 Lynn Hildebrandt*
 Tamara Jorkasky*
 Ody Norkin*
 David Reicosky*
 James Salehi*
 Milton Scales*
 Carole Wilcox*

*former member

Prepared by the Meridian Township, Michigan Planning Commission
 With the assistance of



235 East Main Street, Suite 105
 Northville, MI 48072
www.mcka.com





To: Board Members
From: _____
Miriam Mattison, Finance Director
Date: November 16, 2017
Re: Auditing Services Contract

In accordance with the purchasing policy of the Township, formal proposals were solicited and received for audit services for the years 2017, 2018 and 2019. Contracts are normally initiated for three years with options to renew on a year-to-year basis for two additional years. The bid process is used to assure a regular review of the services and pricing being offered to the Township. There is no requirement to rotate auditors on any regular schedule.

I have had discussions with Township Manager Frank Walsh, Director Marx and Treasurer Brixie (the Departments with primary responsibility for financial activity) to assist in the review process. After considering six written proposals, two oral presentations, and discussions of the strengths and weaknesses of the firms being considered, I am recommending the firm of Yeo & Yeo. The determining factors in this recommendation include:

- the reputation of the firm and its partners
- the professionalism of staff during the proposal process
- the anticipated level of communication during the transition process and audit
- availability year-round for consultation
- knowledge and participation in GFOA and GASB standards
- lower costs

The professional fees proposed by Yeo & Yeo are lower than the fees paid to and proposed by our current auditors, at \$39,000, \$40,500 and \$42,000 for 2017, 2018 and 2019 respectively. If this recommendation is approved the Township will save \$31,500 over 3 years and \$52,600 over 5 years.

A motion is prepared for Board consideration:

MOVE THAT THE TOWNSHIP BOARD APPROVE THE APPOINTMENT OF YEO & YEO AS AUDITORS FOR MERIDIAN TOWNSHIP AND AUTHORIZE THE TOWNSHIP MANAGER TO SIGN A 3-5 YEAR CONTRACT WITH THEM AT A COST OF \$39,000, \$40,500 AND \$42,000 FOR 2017, 2018 AND 2019.



To: Township Board Members
From: Derek N. Perry, Assistant Township Manager
Director of Public Works & Engineering
Date: November 21, 2017
Re: Sleepy Hollow Proposed SAD- Resolution #3

In the summer of 2016, the Township received two separate valid petitions to provide public water and sewer into the Sleepy Hollow Neighborhood and adjacent area. Since that time, the Township Board has held discussions on the item in February 2017, and March 2017. In addition, a neighborhood meeting was also held by Township staff with the residents on May 3, 2017 at the Central Fire Station. After careful consideration, the Township Board authorized the start the special assessment process on September 29, 2017 by approving Resolution #1.

On Tuesday, October 17, 2017, the Board approved Resolution #2, which formally determined that it is necessary and in the best interest of the Township to make the proposed public improvements and to prepare the necessary special assessment roll. A public hearing was also held on October 17, 2017 to receive comments in favor and/or objections to the proposed water and sewer improvements.

As part of the special assessment process (SAD), competitive bids were submitted to the Township for the construction of the projects and were opened on October 31, 2017. Of the four bids received, Brico Excavating was the lowest with a cost of \$1,006,581.00 for the sewer portion of the project and \$316,400.00 for the water portion of the project. Unfortunately this was \$470,877 over the original estimate for the project. Since that time, our team has been negotiating with the low bidder on ways to reduce the overall costs of the project. As of late Friday afternoon we were still negotiating with the contractor to reduce the costs of the assessments as much as possible. At this point the individual assessment amounts of \$42,462.55 for sewer and water and \$29,279.22 for sewer only per parcel are being used. These numbers are based upon the original low bid that we received. We expect to have the reduced costs by Tuesday night, and will be able to revise and replace Resolution #3 at that time.

If the Township Board is ready to proceed with project, Resolution 3 is attached for your adoption. Resolution #3 approves the estimate of cost, declares that the public improvements shall be paid by special assessment, files the special assessment roll and



12. C.

sets a public hearing for December 5, 2017. A part of the public hearing process, two notices will be placed in the newspaper, and individual notices will be sent to the owner of record for all the parcels in the special assessment district.

Proposed Motion:

“Move to approve the Sleepy Hollow Special Assessment District Resolution #3, approving the estimate of cost; declaring that the Public Improvements shall be paid by special assessment; approving the filing of the special assessment roll; and setting the public hearing for December 5, 2017 at 6:00 p.m.”

Attachments:

CHARTER TOWNSHIP OF MERIDIAN
Ingham County, Michigan

RESOLUTION NO. 3

FILING SPECIAL ASSESSMENT ROLL; NOTICE OF HEARING

Minutes of a regular meeting of the Township Board of the Charter Township of Meridian, Ingham County, Michigan, held in the Township Hall, 5151 Marsh Road, Okemos, Michigan, on November 21, 2017, at 6:00 p.m., local time.

PRESENT: _____

ABSENT: _____

The following resolution was offered by Member _____ and supported by Member _____:

WHEREAS, the Township Board, pursuant to Act 188, Public Acts of Michigan, 1954, as amended (the "Act"), has resolved its intent to make the public improvements described in Exhibit A attached hereto (the "Public Improvements"); and

WHEREAS, the Township has received construction bids for the Public Improvements and the cost of the Public Improvements is higher than the estimated costs of the Public Improvements; and

WHEREAS, the increase in cost exceeds the estimates previously approved by the Township Board by more than 10%; and

WHEREAS, the Supervisor of the Township has prepared, certified, and reported to this Township Board a special assessment roll for the parcels of property benefited by certain Public Improvements located in the Sleepy Hollow Area Water and Sewer Special Assessment District (the "Special Assessment District") based on the revised estimate of costs.

NOW, THEREFORE, BE IT HEREBY RESOLVED as follows:

1. The revised estimate of costs in the amount of \$42,462.55 for parcels receiving sewer and water benefit and \$29,279.22 for sewer benefit only is approved.
2. The total revised cost of the Public Improvements shall be paid by special assessments assessed within the Special Assessment District against the property benefitted by the proposed Public Improvements.
3. The special assessment roll for the Special Assessment District (the "Special Assessment Roll") as reported to the Township Board by the Supervisor; shall be filed in the office

of the Clerk; and shall be available for public inspection during the normal working hours of the Township office.

4. The Township Board shall hold a public hearing on December 5, 2017, at 6:00 p.m., at the Township Hall in the Township to review and hear any objections to the revised estimate of costs and to review and hear any objections to the Special Assessment Roll.

5. The Clerk shall cause to be published a notice of hearing and the filing of the special assessment roll in the *Lansing State Journal*, a newspaper of general circulation within the Township, at least two (2) times prior to the public hearing, with the first publication at least ten (10) days prior to the public hearing. Proofs of publication of such notice shall be filed with the Clerk.

6. The Clerk, at least ten (10) days prior to the date of the public hearing, shall send a notice of the public hearing by first class mail addressed to each record owner, or party in interest, of each parcel of property to be assessed, at the address shown for such owner or party in interest upon the last township tax assessment records, as supplemented by any subsequent changes in the names or addresses of the owners or parties listed therein, except in the case of railroad companies, which shall be mailed a notice of the hearing by registered mail within five (5) days after the first publication of the notice described in paragraph 3 above.

7. The notice of the hearing to be mailed and published pursuant hereto shall be in substantially in the form set forth in Exhibit A hereto.

8. All resolutions or parts of resolutions in conflict herewith shall be and the same are here rescinded.

YEAS: _____

NAYS: _____

ABSTAIN: _____

RESOLUTION DECLARED ADOPTED.

Brett Dreyfus, CMMC, Clerk
Charter Township of Meridian

CERTIFICATION

I, Brett Dreyfus, hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Township Board at a regular meeting held on November 21, 2017, and that public notice of said meeting was given pursuant to Act 267, Public Acts of Michigan, 1976, including, in the case of a special or rescheduled meeting, notice by publication or posting at least eighteen (18) hours prior to the time set for the meeting.

Dated: November 21, 2017

Brett Dreyfus, CMMC, Clerk
Charter Township of Meridian

EXHIBIT A

**CHARTER TOWNSHIP OF MERIDIAN
Ingham County, Michigan**

NOTICE OF PUBLIC HEARING

Sleepy Hollow Area Water and Sewer Special Assessment District

NOTICE IS HEREBY GIVEN that the Township Board of the Charter Township of Meridian, Ingham County, Michigan, has resolved its intention to make certain public improvements (the “Public Improvements”) consisting of the following:

The extension of water main and water system improvements and the extension of sanitary sewer mains and sanitary sewer system improvements.

The Public Improvements shall be located in the Township within or serving the Sleepy Hollow Area Water and Sewer Special Assessment District (the “Special Assessment District”) as shown on the map attached as Schedule A.

The Township has made its final determination of the Special Assessment District to consist of the following described lots and parcels of land and against which the cost of the Improvements shall be specially assessed:

Property located in the Charter Township of Meridian, Ingham County, Michigan, and described by the following parcel numbers:

33-02-02-04-376-005	33-02-02-09-202-004
33-02-02-04-376-009	33-02-02-09-202-005
33-02-02-04-376-010	33-02-02-09-202-006
33-02-02-04-400-003	33-02-02-09-202-007
33-02-02-04-400-004	33-02-02-09-202-008
33-02-02-09-127-001	33-02-02-09-202-011
33-02-02-09-127-002	33-02-02-09-202-012
33-02-02-09-127-005	33-02-02-09-202-013
33-02-02-09-201-002	33-02-02-09-202-014
33-02-02-09-201-003	33-02-02-09-202-015
33-02-02-09-201-004	33-02-02-09-202-016
33-02-02-09-201-005	33-02-02-09-203-003
33-02-02-09-201-006	33-02-02-09-203-004
33-02-02-09-201-007	33-02-02-09-203-005*
33-02-02-09-201-008*	33-02-02-09-203-006*
33-02-02-09-201-009*	33-02-02-09-203-007
33-02-02-09-201-010	33-02-02-09-203-008
33-02-02-09-201-013	33-02-02-09-203-021
33-02-02-09-201-014	33-02-02-09-203-022
33-02-02-09-202-001	
33-02-02-09-202-002	
33-02-02-09-202-003	

A Map showing the boundaries of the proposed Special Assessment District is shown on Schedule A.

NOTICE IF FURTHER GIVEN that construction bids for the Public Improvements have been received and due to unanticipated cost increases, the estimate of the cost of the Public Improvements has increased by more than 10% above the estimate of costs previously approved by the Township Board.

NOTICE IS FURTHER GIVEN that the Supervisor of the Charter Township of Meridian has made and certified a special assessment roll for the Special Assessment District, which roll sets forth the relative portion of the cost of the Public Improvements that is to be levied in the form of special assessments against each benefit lot and parcel of land in the special assessment district

**HEARING ON REVISED ESTIMATE OF COST
AND ON SPECIAL ASSESSMENT ROLL**

TAKE NOTICE that the Township Board of the Charter Township of Meridian will hold a public hearing on December 5, 2017, at 6:00 p.m. at the Township Hall located at 5151 Marsh Road, Okemos, Michigan, to review the revised estimate of cost of the Public Improvements and to hear and consider any objects thereto and to review the special assessment roll and to hear and consider any objections thereto.

TAKE NOTICE that appearance and protest at the public hearing is required in order to appeal the amount of the special assessment to the state tax tribunal.

TAKE NOTICE that an owner or party in interest, or his or her agent, may appear in person at the hearing to protest the special assessment, or may file his or her appearance or protest by letter, on or before the close of the hearing.

TAKE NOTICE that any person objecting to the revised estimates of costs or to the assessment roll is requested to file written objections thereto with the Township Clerk before the close of the hearing, or within such further time as the Township Board may grant.

TAKE NOTICE that an owner or any person having an interest in the real property may file a written appeal of the special assessment with the State tax tribunal within thirty (30) days after the confirmation of the special assessment roll, if the owner or person having an interest in the real property protested the special assessment at the hearing held for the purpose of confirming the roll.

Michigan Tax Tribunal
1033 S. Washington Avenue
P.O. Box 30232
Lansing, Michigan 48909

TAKE FURTHER NOTICE that the revised estimate of costs and the special assessment roll as prepared has been reported to the Township Board and is on file with the Township Clerk for public examination.

Meridian Charter Township will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed material being considered at the hearing, to individuals with disabilities at the hearing upon seven (7) days' notice to the Meridian Charter Township Clerk. Individuals with disabilities requiring auxiliary aids or services should contact the Meridian Charter Township Clerk.

This notice was authorized by the Township Board of the Charter Township of Meridian.

FOR FURTHER INFORMATION PLEASE CONTACT:

Township Manager
Charter Township of Meridian
5151 Marsh Road
Okemos, Michigan 48864-1198
Telephone: (517) 853-4000

Brett Dreyfuss, CMMC, Clerk
Charter Township of Meridian



To: Supervisor Ronald J. Styka & Board Members

From: Phil Deschaine, Township Trustee and Board Representative to the Transportation Commission

Date: November 16, 2017

Re: Railroad Quiet Zone Preliminary Study

At a recent meeting of the Township Transportation Commission, representatives of Abonmarche engineering firm presented the findings of a study performed for the Township on the concept of implementing **Railroad Quiet Zones** to eliminate the need for trains to use their horn at crossings when they traverse our community. A copy of their study is attached.

By way of background, an interested citizen completed preliminary research and petitioned the Township to pursue this endeavor. According to MDOT, no Michigan regulations or state statutes are available pertaining to whistle blowing, so only the federal guidelines apply.

Two rail lines cross through the township: CSX and CN as the Grand Western Trunk Railroad (GTW). The current CSX line runs for 5.5 miles from East Mount Hope Road to Meridian Road that carries 1 day train, 2 night trains, and 1 switching train cross through the Township daily.

The CN railroad travels as the GTW rail line for approximately 6.7 miles through the Township. The CN railroad has much heavier train traffic than the CSX railroad with 17 trains per day and 1 train each night. These 21 trains per day create a significant amount of noise pollution to Township's residents and businesses. In particular, residents in the northern half of the township endure these extremely loud railroad crossing horns day and night.

The costs associated with upgrading all 5.5 miles of CSX crossings \$648,490. Over \$600,000 of this is cost to upgrade the Meridian Road and Hulett Road crossings. A limited option could be implemented to extend the quiet zone from the Okemos Road crossing to Van Atta Road crossing, a distance of 2.91 miles at a cost of \$27,440. The cost would be significantly reduced because of the elimination of the upgrade costs required at the Hulett Road and Meridian Road crossings.

The CN railroad travels as the Grand Trunk Western Railroad (GTW) for approximately 6.7 miles. The cost of the minor tasks needed to meet the standards is \$7,500. This is summarized on page 17 on the study. Because Haslett Public Schools are in close proximity to the Haslett Road – CN railroad crossing, the Abonmarche study recommends implementation of Z-gates like the one on used on the Michigan State University campus to improve safety by making pedestrians more aware as they approach the crossing. The cost associated with these Z-Gates for the Haslett Road crossing is \$30,000.

At its August 24th meeting, the Transportation Commission unanimously recommends that the Township Board implement the Quiet Zone limited option for the CSX line and for the CN Line with

Memo to Township Board
November 16, 2017
Re: Railroad Quiet Zone Preliminary Study
Page 2

the additional costs of Z-gates at Haslett Road. The commission made these recommendations in as a way to mitigate the significant noise pollution of the many rail crossings in our Township while still maintaining acceptable safety standards.

Attachment:

1. Railroad Quiet Zones Study



PRELIMINARY STUDY: RAILROAD QUIET ZONES

Prepared for:

The Charter Township of Meridian
5151 Marsh Road
Okemos, Michigan 48864

Prepared by:



95 West Main Street, Benton Harbor, MI 49022 • 269.927.2295
abonmarCHE.com

Table of Contents

Introduction.....	3
Background	4
Railroad Crossings of Interest	4
CSX Rail Line Evaluation	4
CN Rail Line Evaluation.....	10
Alternative options.....	12
Costs.....	13
CSX Quiet Zone.....	13
Option 1: E Mount Hope Road to Meridian Road	13
Option 2: Okemos Road to Van Atta Road	15
CN Quiet Zone	17
Hagadorn Road to Green Road.....	17
Option 1: Additional Suggested Safety Improvements.....	17
Next Steps.....	19
CSX Quiet Zone	19
CN Quiet Zone	19
References	20
Appendix A – U.S. DOT Crossing Inventory Forms for CSX Crossings.....	21
Appendix B – U.S. DOT Crossing Inventory Forms for CN Crossings.....	37



Introduction

The Federal Railroad Administration (FRA) requires trains to blow whistles for at least 15 seconds before every public grade crossing to maintain the safety of the crossing and reduce the potential for collisions. This whistle blowing can impact the quality of life and home values for the environment near the tracks.

One option for mitigating this noise pollution is for municipalities to establish quiet zones. Quiet zones must extend for at least ½ mile of track and may include one or several crossings. To be considered for a quiet zone, crossings must, at a minimum, have active warning devices such as flashing lights, gates, constant warning train detection systems and power out indicators. Once these basics are provided, the process of seeking a quiet zone can be pursued by improving the crossing to meet one of the following criteria:

- The Quiet Zone Risk Index (QZRI) is less than or equal to the Risk Index with [Train] Horns Sounding (RIWH)
- The QZRI is less than the National Significant Risk Threshold (NSRT)

The NSRT is determined annually. Crossings established as quiet zones based on being less than the NSRT require more frequent reevaluation. It may be a more conservative practice to establish a quiet zone based on the RIWH. The QZRI can be reduced through the implementation of one of many possible Supplementary Safety Measures (SSMs) as described in Figure 1.

SSM CODES | other codes

- 1Temporary Closure of a Public Highway-Rail Grade Crossing
- 2Permanent Closure of a Public Highway-Rail Grade Crossing
- 3Grade Separation of a Public Highway-Rail Grade Crossing
- 4Four-Quadrant Gates Upgrade from Two Quadrant gates, No Vehicle Presence Detection
- 5Four-Quadrant Gates Upgrade from Two Quadrant Gates, with medians and no Vehicle Presence Detection
- 6Four-Quadrant Gates Upgrade from Two Quadrant Gates, with Vehicle Presence Detection
- 7Four-Quadrant Gates Upgrade from Two Quadrant Gates, with medians and Vehicle Presence Detection
- 8Four-Quadrant Gates New Installation, No Vehicle Presence Detection
- 9Four-Quadrant Gates New Installation with medians and no Vehicle Presence Detection
- 10Four-Quadrant Gates New Installation with Vehicle Presence Detection
- 11Four-Quadrant Gates New Installation with medians and Vehicle Presence Detection
- 12Mountable medians with Reflective Traffic Channelization Devices
- 13Non-Traversable Curb Medians with or without Channelization Devices
- 14One-Way Streets with Gates

Figure 1: Available SSM codes for use in reducing Quiet Zone Risk Index

The QZRI can also be reduced through the use of other Alternative Safety Measures (ASMs), with written permission from the FRA. Upgrading crossings to reduce the QZRI to an acceptable value can cost anywhere from \$3,000 to over \$1 million depending on what measures are necessary to improve safety. [1] The SSMs required to meet these criteria can be determined by utilizing the FRA Quiet Zone Calculator to implement SSMs and evaluate their reduction of risk. If a quiet zone is implemented, the crossing warning signs must be upgraded to include a warning that horns are not being used at the crossing. The FRA recommends a diagnostic team be created to evaluate the crossings in the proposed quiet zone. A diagnostic team evaluation is **required** for proposed quiet zones which include private crossings. Diagnostic teams consist of representatives from the public authority,



railroad, State agency responsible for crossing safety and FRA grade crossing managers before a quiet zone is created.

Background

The Charter Township of Meridian requested an investigation into the requirements and feasibility of establishing a railroad quiet zone on the rail lines that stretch through the township. An interested citizen completed preliminary research and petitioned the township to pursue this endeavor. According to MDOT, no Michigan regulations or state statutes are available pertaining to whistle blowing, so only the federal guidelines apply. [3] Michigan is in Region 4 of the FRA, based out of Chicago. [4] Two rail lines cross through the township: CSX and CN as the Grand Western Trunk Railroad (GTW).

Railroad Crossings of Interest

CSX Rail Line Evaluation

The current CSX line from East Mount Hope Road to Meridian Road in the Charter Township of Meridian is an approximately 5.5 mile stretch of track with 8 at-grade crossings including one private crossing, depicted in Figure 2. 1 day train, 2 night trains, and 1 switching train cross through the township daily.

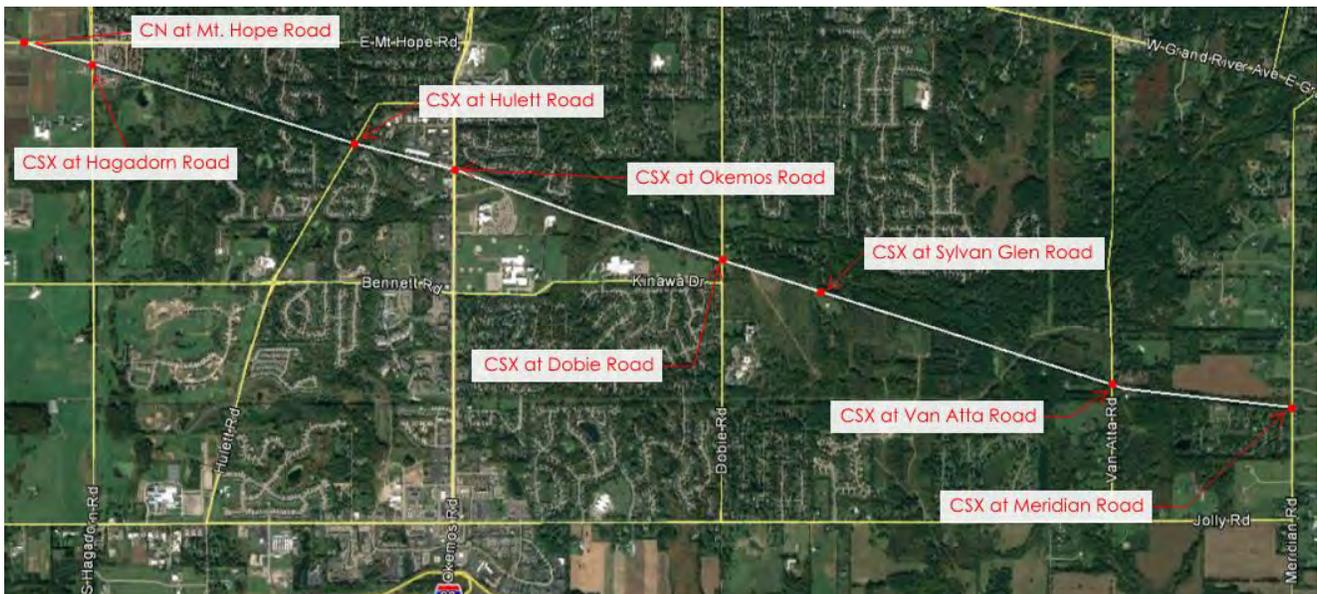


Figure 2: Aerial map depicting 5.5 miles of CSX railroad crossings in the Charter Township of Meridian



Preliminary findings based on Google Earth street view and a field visit to each CSX crossing are summarized in the following table:

At Grade Crossing	Sidewalk		Detectable Warnings	Lights	Bells	Gates	Signage	Pavement Markings	Existing SSMS (# from Fig. 1)
	W	E							
E Mt Hope Rd	<input type="checkbox"/>	<input type="checkbox"/>	n/a	<input checked="" type="checkbox"/>					
S Hagadorn Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	n/a	<input checked="" type="checkbox"/>					
Hulett Rd	<input type="checkbox"/>	<input type="checkbox"/>	n/a	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Okemos Rd	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
Dobie Rd	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
Sylvan Glen Rd	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Van Atta Rd	<input type="checkbox"/>	<input type="checkbox"/>	n/a	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Meridian Rd	<input type="checkbox"/>	<input type="checkbox"/>	n/a	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

The public crossings at Hulett Road and Meridian Road need to be upgraded to include gates before a quiet zone could be considered for the entire length. MDOT would not financially contribute to these improvements as there is not a measureable safety benefit to implementing a quiet zone; therefore all the funding must come from the road authority. The Michigan Department of Transportation's Office of Rail advised that the cost of implementing new lights and gates systems at a crossing would depend on the complexity of the crossing such as its proximity to other crossings, but may be estimated to cost \$300,000 per crossing.

The private crossing at Sylvan Glen Road appears to serve two homes from a private drive and only has signs as a crossing warning, see Figure 3. A private crossing's risk index is not factored into the overall QZRI, but requires diagnostic team review during consideration of a quiet zone. At a minimum the FRA requires private crossings in a quiet zone to have a stop sign and a sign signifying "no horn".



Figure 3: Private CSX crossing on Sylvan Glen Road



The FRA conducts crossing inventories which include: crossing location, railroad information, traffic control device information, physical characteristics, and public highway information. The most recent inventory forms for the crossings within Meridian Township along the CSX railroad can be found in Appendix A. To establish a quiet zone, these forms would need to be updated within a year preceding a request for a quiet zone.

Assuming the minimum required updates could be completed by adding gates at the Hulett Road and Meridian Road crossings, the FRA's Quiet Zone Calculator can be utilized to determine the current risk indices at each crossing as shown in Figure 4.

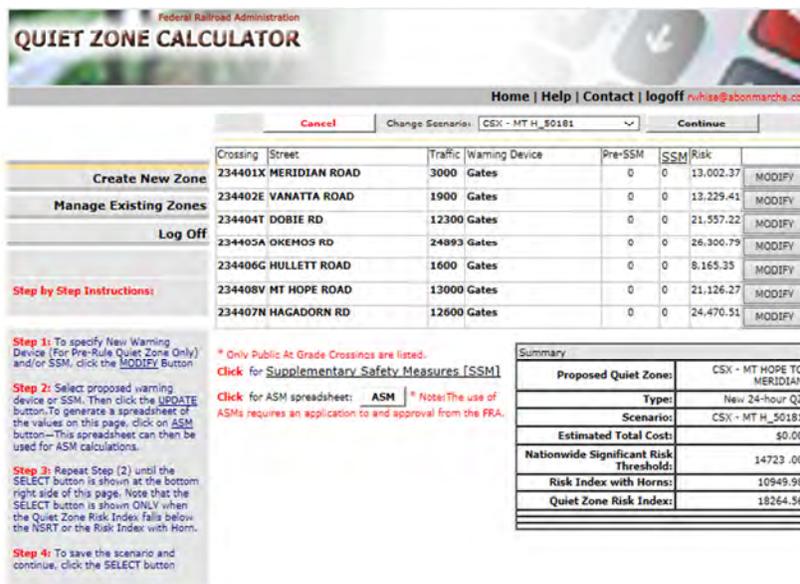


Figure 4: Quiet Zone Evaluation of the CSX Railroad in the Charter Township of Meridian including lights and gates at Hulett and Meridian Roads

The quiet zone calculator result indicates that additional safety measures beyond the implementation of gates would be required to improve the crossings to meet the qualifications of a quiet zone since the QZRI is higher than the NSRI and the RIWH.

SSM 12 is defined as mountable medians with channelization devices and is the most cost effective SSM option; SSM 13 is a non-traversable curb median with or without channelization devices, as defined in Figure 1. Each of these methods requires implementation for 100 feet along the roadway on either side of the crossing. Driveway entrances are located within 100 feet from the crossing at Hagadorn, Okemos, Dobie, and Meridian Roads making the implementation of SSMs 12 and 13 impossible without impeding access. SSM 12 could be installed at the crossing on Mount Hope, Hulett, and Van Atta Roads with no impacts on driveways. The result of constructing those improvements is shown in Figure 5.



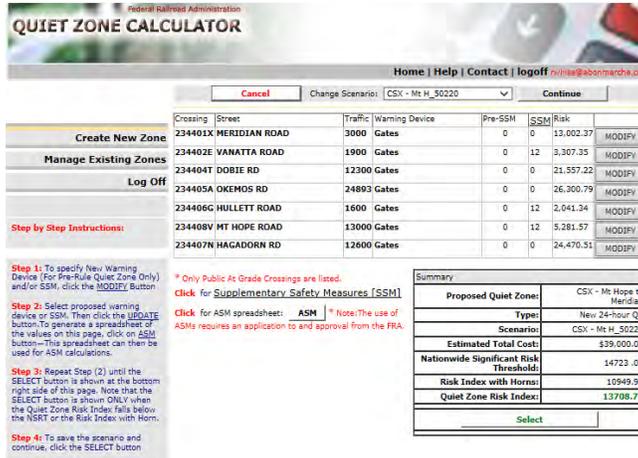


Figure 5: Risk calculation with installation of SSM 12 at CSX crossings on Mt. Hope, Hulett, and Van Atta Roads

While installing SSM 12 at Mount Hope, Hulett, and Van Atta Roads does make the quiet zone technically acceptable by reducing the QZRI lower than the NSRI, it is advised that improving overall safety in the quiet zone should concentrate first on reducing risk at the highest-risk crossings. The following two options were, therefore, also considered. The driveways within 100 feet of the crossing at Okemos Road appear to receive low volume use, so impeding access may not be very impactful. Figure 6 shows that implementing SSM 13 at the Okemos Road crossing and SSM 12 at Van Atta Road would be adequate to reduce the risk within the zone to below NSRI.

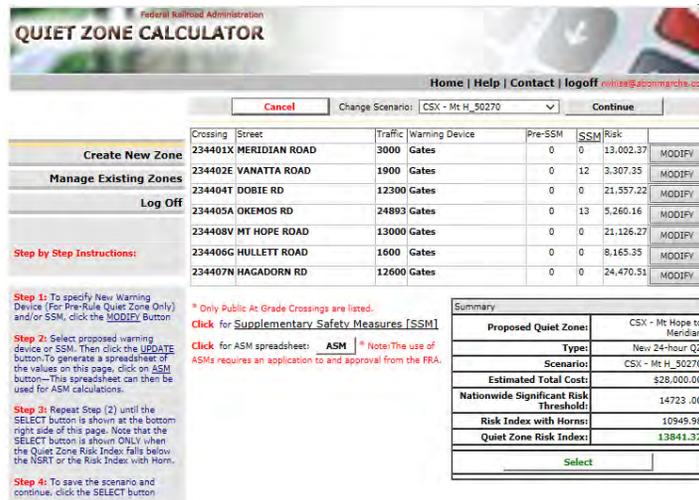


Figure 6: CSX Quiet Zone with SSM 13 at Okemos Road and SSM at Van Atta Road



Because a quiet zone only has to extend for a continuous 0.5 miles of track, a quiet zone could be implemented from the Okemos Road crossing to Van Atta Road crossing, a distance of 2.91 miles shown in Figure 7.



Figure 7: Aerial map depicting 2.91 miles of CSX railroad crossings in the Charter Township of Meridian

The cost would be significantly reduced because of the elimination of the upgrade costs required at the Hulett Road and Meridian Road crossings. Running the quiet zone calculator again yields the results shown in Figure 8. Since the QZRI is greater than the NSRI and the RIWH, some additional improvements are necessary.

Federal Railroad Administration
QUIET ZONE CALCULATOR

Home | Help | Contact | logoff null@shortermariche.com

Cancel Change Scenario: SHORTER_CS_50235 Continue

Creating	Street	Traffic	Warning Device	Pre-SSM	SSM	Risk	
Create New Zone	234402E VANATTA ROAD	1900	Gates	0	0	13,229.41	MODIFY
Manage Existing Zones	234404T DOBIE RD	12300	Gates	0	0	21,557.22	MODIFY
Log Off	234405A OKEMOS RD	24893	Gates	0	0	26,300.79	MODIFY

* Only Public At Grade Crossings are listed.
Click for Supplementary Safety Measures [SSM]

Click for ASM spreadsheet: **ASM** * Note: The use of ASMs requires an application to and approval from the FRA.

Step by Step Instructions:

Step 1: To specify New Warning Device (For Pre-Rule Quiet Zone Only) and/or SSM, click the **MODIFY** Button

Step 2: Select proposed warning device or SSM. Then click the **UPDATE** button. To generate a spreadsheet of the values on this page, click on **ASM** button—This spreadsheet can then be used for ASM calculations.

Step 3: Repeat Step (2) until the **SELECT** button is shown at the bottom right side of this page. Note that the **SELECT** button is shown **ONLY** when the Quiet Zone Risk Index falls below the NSRI or the Risk Index with Horn.

Step 4: To save the scenario and continue, click the **SELECT** button.

Summary	
Proposed Quiet Zone:	Shorter CSX - Okemos to Van Atta
Type:	New 24-hour QZ
Scenario:	SHORTER_CS_50235
Estimated Total Cost:	\$0.00
Nationwide Significant Risk Threshold:	14723.00
Risk Index with Horns:	12207.72
Quiet Zone Risk Index:	20362.47

Figure 8: Proposed 2.91 mile long CSX quiet zone



If SSM 13 was implemented at the Okemos Road crossing as discussed previously, the risk would be reduced enough to implement a quiet zone from Okemos Road to Van Atta Road, see Figure 9.

QUIET ZONE CALCULATOR

Home | Help | Contact | logoff rdhise@abonmarche.com

Change Scenario: Shorter CS_50269

Crossing	Street	Traffic	Warning Device	Pre-SSM	SSM	Risk	
234402E	VANATTA ROAD	1900	Gates	0	0	13,229.41	MODIFY
234404T	DOBIE RD	12300	Gates	0	0	21,557.22	MODIFY
234405A	OKEMOS RD	24893	Gates	0	13	5,260.16	MODIFY

Summary

Proposed Quiet Zone:	Shorter CSX - Okemos to Van Atta
Type:	New 24-hour QZ
Scenario:	Shorter CS_50269
Estimated Total Cost:	\$15,000.00
Nationwide Significant Risk Threshold:	14723.00
Risk Index with Horns:	12207.72
Quiet Zone Risk Index:	13348.93

Step by Step Instructions:

Step 1: To specify New Warning Device (For Pre-Rule Quiet Zone Only) and/or SSM, click the **MODIFY** Button

Step 2: Select proposed warning device or SSM. Then click the **UPDATE** button. To generate a spreadsheet of the values on this page, click on **ASM** button—This spreadsheet can then be used for ASM calculations.

Step 3: Repeat Step (2) until the **SELECT** button is shown at the bottom right side of this page. Note that the **SELECT** button is shown **ONLY** when the Quiet Zone Risk Index falls below the NSRT or the Risk Index with Horn.

Step 4: To save the scenario and continue, click the **SELECT** button

Figure 9: 2.91 mile long CSX Quiet Zone with SSM 13 at Okemos Road



CN Rail Line Evaluation

The CN railroad travels as the Grand Trunk Western Railroad (GTW) for approximately 6.7 miles through the Charter Township of Meridian. Figure 10 shows the 5 public at-grade crossings.

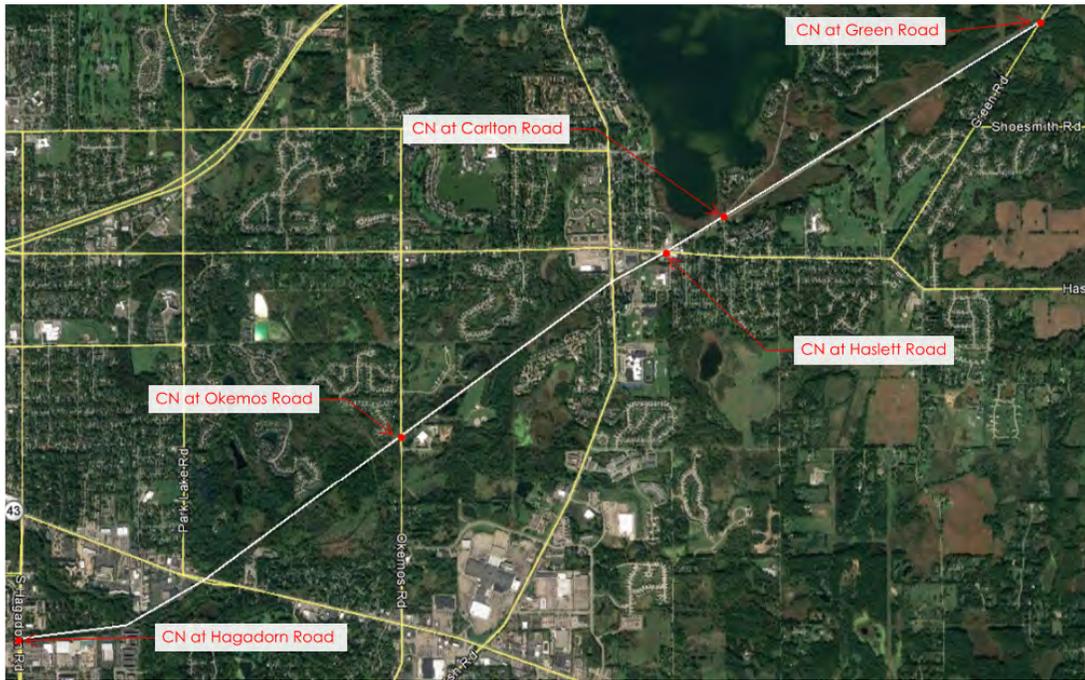


Figure 10: Aerial map depicting 6.7 miles of CN railroad crossings in the Charter Township of Meridian

Preliminary findings utilizing Google Earth street view and a field visit to each CN crossing are summarized in the following table:

At Grade Crossing	Sidewalk			Lights	Bells	Gates	Signage	Pavement Markings	Other SSMS (# per Figure 1)
	W	E	Detectable Warnings						
Hagadorn Rd	☒	☒	☒	☒	☒	☒	☒	☒	14, Z-gate
Okemos Rd	☐	☒	☒	☒	☒	☒	☒	☒	
Haslett Rd	☒	☒	☐	☒	☒	☒	☒	☒	
Carlton Rd	☐	☐	n/a	☒	☒	☒	☒	☒	
Green Rd	☐	☐	n/a	☒	☒	☒	☒	☒	



Hagadorn Road marks the division between the Charter Township of Meridian and the City of East Lansing, specifically Michigan State University's campus. At this railroad crossing there is a Z-gate, shown in Figure 11, on the East Lansing side of the street, which acts as a passive warning device to alert pedestrians to the fact they are about to cross the tracks.



Figure 11: A z-gate used as a passive warning system to pedestrians of railroad crossing on East Lansing side of Hagadorn Road

The inventory forms for the crossings within Meridian Township along the CN railroad can be found in Appendix B. The CN railroad has much heavier train traffic than the CSX railroad with 17 trains daily and 1 train each night.

Hagadorn Road acts as a divided road at this crossing, and the curb height is the required 6" to be considered a preexisting SSM 13. The calculator shows, in Figure 12, that the QZRI is lower than the RIWH at the current conditions; therefore it is possible a quiet zone could be established without additional SSM installation.

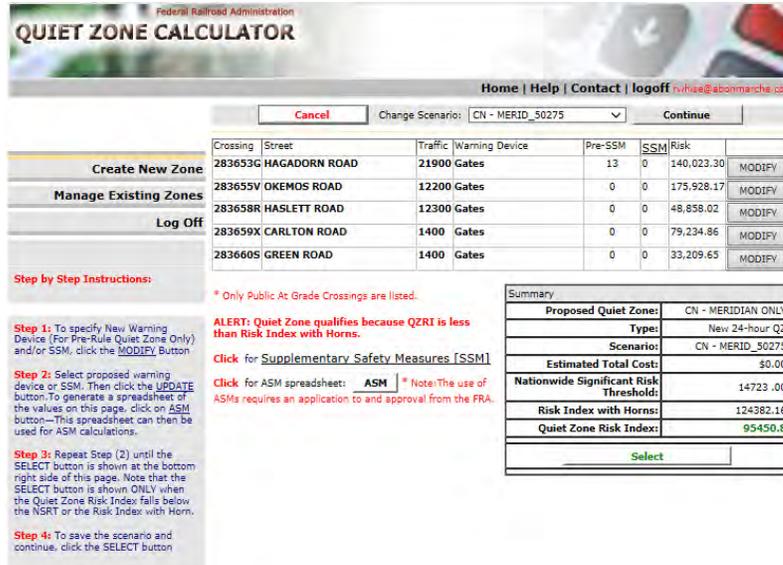


Figure 12: Current quiet zone evaluation of the CN railroad in the Charter Township of Meridian

Alternative options

As an alternative to quiet zones, communities may choose to silence locomotive horns through the installation of wayside horns, like the one in Figure 13, at each crossing as a one for one substitute for train horns. Wayside horns are directed at the highway at their installed crossing so they confine the noise to a radius directly around the crossing as compared to a locomotive horn being sounded along the track before reaching the crossing.



Figure 13: A wayside horn

Costs

CSX Quiet Zone

Option 1: E Mount Hope Road to Meridian Road

The costs associated with upgrading 5.5 miles of CSX crossings in the Township to Quiet Zone appropriate risk levels are summarized in the following table and shown in Figure 14.

Cost Location	Cost Description	Price
Every Public Crossing	Update USDOT Inventory Forms (7)	\$7,000
Hulett Road	Upgrade to lights and gates	\$300,000
Hulett Road	New pavement marking on S side	\$305
Okemos Road	Implement SSM 13	\$23,000
Van Atta Road	Implement SSM 12	\$15,000
Meridian Road	Upgrade to lights and gates	\$300,000
Meridian Road	New pavement marking on N side	\$305
Every Crossing	Install "No Horn" Signs (16)	\$2,880
	Total	\$648,490



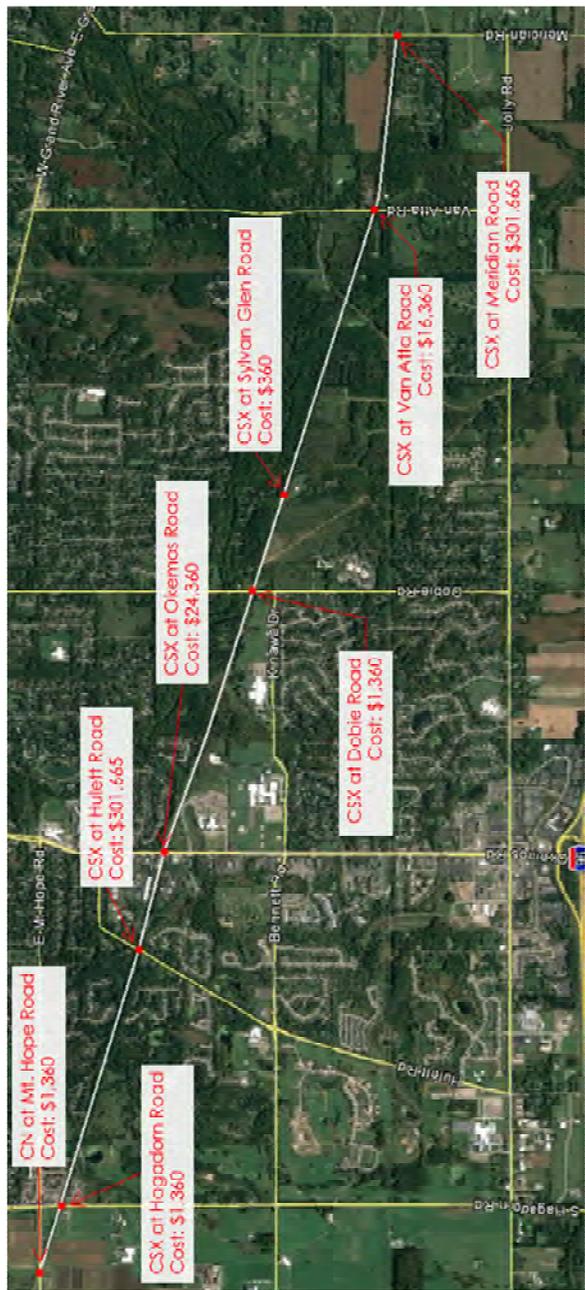


Figure 14: Quiet zone implementation costs at each CSX crossing from Hagadorn Road to Green Road as described in Option 1



Option 2: Okemos Road to Van Atta Road

The costs associated with upgrading 2.91 miles of CSX crossings in the Township to Quiet Zone appropriate risk levels are summarized in the following table and shown in Figure 15.

Cost Location	Cost Description	Price
Every Public Crossing	Update USDOT Inventory Forms (3)	\$3,000
Okemos Road	Implement SSM 13	\$23,000
Every Crossing	Install "No Horn" Signs (8)	\$1,440
	Total	\$27,440





Figure 15: Quiet zone implementation costs at each CSX crossing from Okemos Road to Van Atta Road as described in Option 2



CN Quiet Zone

Hagadorn Road to Green Road

The preexisting SSM 13 at Hagadorn Road reduces the quiet zone's risk index to an acceptable level without further safety measures being taken. The cost of the minor tasks needed to meet the standards is summarized in the following table.

Cost Location	Cost Description	Price
Every Public Crossing	Update USDOT Inventory Forms (5)	\$5,000
Green Road	Install pavement marking on S side	\$305
Every Crossing	Install "No Horn" Signs (10)	\$1,800
Total		\$7,105

Option 1: Additional Suggested Safety Improvements

During the investigation it was discovered that the Haslett Public Schools are in close proximity to the Haslett Road – CN railroad crossing. Due to school's proximity, more, younger pedestrian traffic is prevalent at this crossing than others. Implementation of Z-gates like the one on Michigan State University's campus at the CN Hagadorn Road crossing would improve safety by making pedestrians more aware as they approach the crossing. The cost associated with moving forward with this option is described in the following table and shown in Figure 16.

Cost Location	Cost Description	Price
Haslett Road	Z-gates at each pedestrian approach	\$30,000
Total		\$30,000



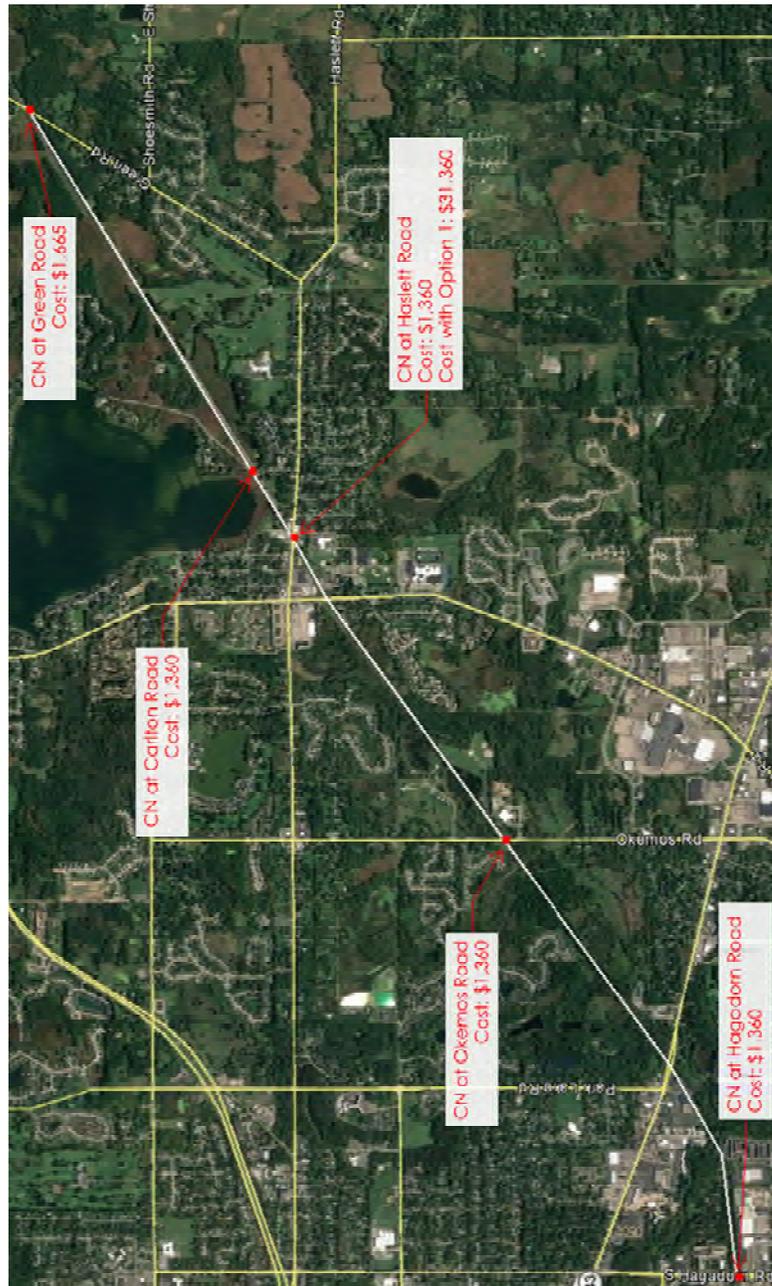


Figure 16: Quiet zone implementation costs at each CN crossing including the Z-gate option at the Haslett Road



Next Steps

CSX Quiet Zone

If the Charter Township of Meridian decides to pursue a quiet zone on the CSX railroad from either Mount Hope Road to Meridian Road or Okemos Road to Van Atta Road, the following steps are recommended. [5]

1. Upgrade all public crossings to include, at a minimum, lights and gates with constant warning time devices and power out indicators before a quiet zone. The crossings at Hulett Road and Meridian Road both only have lights currently.
2. Update the U.S. DOT Crossing Inventory Forms for each crossing within the proposed quiet zone within a year of the proposal as required by the FRA.
3. Provide a Notice of Intent (NOI) to: railroads who utilize the crossings, the State agency responsible for highway safety and the State agency responsible for crossing safety with the location of the proposed quiet zone and the tentative plan to improve safety to the standards necessary. Because the public authority of the roads in the Charter Township of Meridian is Ingham County, the diagnostic team would likely include a representative from the County.
4. Install the most cost-effective risk-abating solutions. An application must be filed with the FRA if any ASMs are being used.
5. Update the pavement markings at the Hulett and Meridian Road crossings if included in the quiet zone and the signage for all private, public, and pedestrian crossings.
6. Establish a quiet zone by providing a Notice of Quiet Zone Establishment; the quiet zone can take effect no sooner than 21 days after the Notice is mailed.

CN Quiet Zone

If the Charter Township of Meridian decides to pursue a quiet zone on the CN railroad from Hagadorn Road to Green Road, the following steps are recommended. [5]

1. Update the U.S. DOT Crossing Inventory Forms for each crossing within the proposed quiet zone within a year of the proposal as required by the FRA.
2. Provide a Notice of Intent (NOI) to: railroads who utilize the crossings, the State agency responsible for highway safety and the State agency responsible for crossing safety with the location of the proposed quiet zone and the tentative plan to improve safety to the standards necessary. Because the public authority of the roads in the Charter Township of Meridian is Ingham County, the diagnostic team would likely include a representative from the County.
3. Update the pavement markings at the Green Road crossing and the signage for all private, public, and pedestrian crossings.
4. Establish a quiet zone by providing a Notice of Quiet Zone Establishment; the quiet zone can take effect no sooner than 21 days after the Notice is mailed.



References

- [1] <https://www.csx.com/index.cfm/library/files/about-us/property/quiet-zones/>
- [2] <http://safetydata.fra.dot.gov/quiet/index.aspx>
- [3] http://www.michigan.gov/mdot/0,4616,7-151-12967_22649-60220--,00.html
- [4] <https://www.fra.dot.gov/Page/P0244>
- [5] <https://www.fra.dot.gov/eLib/Details/L04781>



U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 07 / 10 / 2014	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> Re-Open <input type="checkbox"/> New Crossing <input type="checkbox"/> Date Change Only <input type="checkbox"/> Closed <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 234408V
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad CSX Transportation [CSX]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near EAST LANSING		5. Street/Road Name & Block Number MT HOPE ROAD (Street/Road Name) * (Block Number)		6. Highway Type & No. CR	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR SOO		
9. Railroad Division or Region <input type="checkbox"/> None CHICAGO		10. Railroad Subdivision or District <input type="checkbox"/> None PLYMOUTH		11. Branch or Line Name <input type="checkbox"/> None	
12. RR Milepost 0083.03 (prefix) (nnnn.nnn) (suffix)		13. Line Segment * CH		14. Nearest RR Timetable Station * WILLIAMSTON	
15. Parent RR (if applicable) <input type="checkbox"/> N/A		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A CSX		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter		<input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0	
23. Type of Land Use <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.7078590		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.4508510	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *		31.A. State Use *	
30.B. Railroad Use *		31.B. State Use *		30.C. Railroad Use *	
30.D. Railroad Use *		31.C. State Use *		30.D. Railroad Use *	
31.D. State Use *		32.A. Narrative (Railroad Use) *		32.B. Narrative (State Use) *	
33. Emergency Notification Telephone No. (posted) 800-232-0144		34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592	

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 1	1.B. Total Night Thru Trains (6 PM to 6 AM) 2	1.C. Total Switching Trains 1	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 40 3.B. Typical Speed Range Over Crossing (mph) From 35 to 40		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 07/10/2014		PAGE 2		D. Crossing Inventory Number (7 char.) 234408V	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing			
2.A. Crossbuck Assemblies (count) 0		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No		2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No
2.I. ENS Sign (I-13) Displayed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2.J. Other MUTCD Signs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway <u>2</u> Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane <u>2</u> <input type="checkbox"/> Incandescent Not Over Traffic Lane <u>0</u> <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) <u>2</u> <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count <u>0</u> Specify type _____	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes <u>4</u> <input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input checked="" type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Approximate Distance (feet) _____		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input checked="" type="checkbox"/> 30° - 59° <input type="checkbox"/> 60° - 90°		8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input checked="" type="checkbox"/> (03) Federal AID, Not NHS <input type="checkbox"/> (08) Non-Federal Aid		2. Functional Classification of Road at Crossing <input type="checkbox"/> (0) Rural <input checked="" type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input checked="" type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit <u>45</u> MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory
5. Linear Referencing System (LRS Route ID) *					
6. LRS Milepost *					
7. Annual Average Daily Traffic (AADT) Year <u>2004</u> AADT <u>013000</u>		8. Estimated Percent Trucks <u>30</u> %	9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day <u>0</u>		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 07 / 10 / 2014	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed <input type="checkbox"/> Re-Open <input type="checkbox"/> Date Change Only <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 234407N
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad CSX Transportation [CSX]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input checked="" type="checkbox"/> In <input type="checkbox"/> Near EAST LANSING		5. Street/Road Name & Block Number HAGADORN RD (Street/Road Name) _____ (* (Block Number))		6. Highway Type & No. CR	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR _____			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR SOO		
9. Railroad Division or Region <input type="checkbox"/> None CHICAGO		10. Railroad Subdivision or District <input type="checkbox"/> None PLYMOUTH		11. Branch or Line Name <input type="checkbox"/> None	
12. RR Milepost _____ 0082.76 _____ (prefix) (nnnn.nnn) (suffix)		13. Line Segment * CH		14. Nearest RR Timetable Station * TROWBRIDGE	
15. Parent RR (if applicable) <input type="checkbox"/> N/A		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A CSX		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Transit <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Commuter <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0		23. Type of Land Use <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard	
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Provide Crossing Number _____			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established _____		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.7105440		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.4620350	
29. Lat/Long Source <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Estimated		30.A. Railroad Use * J75313 305521692-AID		31.A. State Use *	
30.B. Railroad Use *		31.B. State Use *		30.C. Railroad Use *	
30.D. Railroad Use *		31.C. State Use *		30.D. Railroad Use *	
32.A. Narrative (Railroad Use) *		32.B. Narrative (State Use) *		33. Emergency Notification Telephone No. (posted) 800-232-0144	
34. Railroad Contact (Telephone No.) 904-359-1048		35. State Contact (Telephone No.) 517-335-2592			

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 1	1.B. Total Night Thru Trains (6 PM to 6 AM) 2	1.C. Total Switching Trains 1	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 40 3.B. Typical Speed Range Over Crossing (mph) From 35 to 40		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 07/10/2014		PAGE 2		D. Crossing Inventory Number (7 char.) 234407N	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2. Types of Passive Traffic Control Devices associated with the Crossing				
2.A. Crossbuck Assemblies (count) 4	2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____		
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No	2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None	2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.I. ENS Sign (I-13) Displayed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
2.J. Other MUTCD Signs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)		
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway <u>2</u> Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane <u>2</u> <input type="checkbox"/> Incandescent Not Over Traffic Lane <u>0</u> <input type="checkbox"/> LED	3.D. Mast Mounted Flashing Lights (count of masts) <u>0</u> <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 10	
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No	3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2	
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None			3.K. Other Flashing Lights or Warning Devices Count <u>0</u> Specify type _____		
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes <u>3</u>	<input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic	2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input checked="" type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) <u>75</u>		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°		8. Is Commercial Power Available? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal Aid	2. Functional Classification of Road at Crossing <input checked="" type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input checked="" type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit <u>50</u> MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory	
5. Linear Referencing System (LRS Route ID) *					
6. LRS Milepost *					
7. Annual Average Daily Traffic (AADT) Year <u>2003</u> AADT <u>012600</u>	8. Estimated Percent Trucks <u>25</u> %	9. Regularly Used by School Buses? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Average Number per Day <u>7</u>		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No	
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 07 / 10 / 2014	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> Re-Open <input type="checkbox"/> New Crossing <input type="checkbox"/> Date Change Only <input type="checkbox"/> Closed <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 234406G
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad CSX Transportation [CSX]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near OKEMOS		5. Street/Road Name & Block Number HULLETT ROAD (Street/Road Name) * (Block Number)		6. Highway Type & No. CR	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR SOO		
9. Railroad Division or Region <input type="checkbox"/> None CHICAGO		10. Railroad Subdivision or District <input type="checkbox"/> None PLYMOUTH		11. Branch or Line Name <input type="checkbox"/> None	
12. RR Milepost 0081.61 (prefix) (nnnn.nnn) (suffix)		13. Line Segment * CH		14. Nearest RR Timetable Station * TROWBRIDGE	
15. Parent RR (if applicable) <input type="checkbox"/> N/A		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A CSX		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter		<input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0	
23. Type of Land Use <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.7055020		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.4406970	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *		31.A. State Use *	
30.B. Railroad Use *		31.B. State Use *		30.C. Railroad Use *	
30.D. Railroad Use *		31.C. State Use *		30.D. Railroad Use *	
31.D. State Use *		32.A. Narrative (Railroad Use) *		32.B. Narrative (State Use) *	
33. Emergency Notification Telephone No. (posted) 800-232-0144		34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592	

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 1	1.B. Total Night Thru Trains (6 PM to 6 AM) 2	1.C. Total Switching Trains 1	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 40 3.B. Typical Speed Range Over Crossing (mph) From 35 to 40		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input type="checkbox"/> DC <input type="checkbox"/> Other <input checked="" type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 07/10/2014		PAGE 2		D. Crossing Inventory Number (7 char.) 234406G	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing			
2.A. Crossbuck Assemblies (count) 0		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No		2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No
2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No		2.J. Other MUTCD Signs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 0 Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) 2 <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes 2 <input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input checked="" type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Approximate Distance (feet) _____			7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°	8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal Aid		2. Functional Classification of Road at Crossing <input type="checkbox"/> (0) Rural <input checked="" type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input checked="" type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit 25 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory
5. Linear Referencing System (LRS Route ID) *					
6. LRS Milepost *					
7. Annual Average Daily Traffic (AADT) Year 2003 AADT 001600		8. Estimated Percent Trucks 15 _____ %	9. Regularly Used by School Buses? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Average Number per Day 9 _____		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 07 / 10 / 2014	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed <input type="checkbox"/> Re-Open <input type="checkbox"/> Date Change Only <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 234405A
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad CSX Transportation [CSX]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near OKEMOS		5. Street/Road Name & Block Number OKEMOS RD (Street/Road Name) _____ (* (Block Number))		6. Highway Type & No. CR	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR _____			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR _____ SOO		
9. Railroad Division or Region <input type="checkbox"/> None CHICAGO		10. Railroad Subdivision or District <input type="checkbox"/> None PLYMOUTH		11. Branch or Line Name <input type="checkbox"/> None	
12. RR Milepost _____ 0081.18 (prefix) (nnnn.nnn) (suffix)		13. Line Segment * CH		14. Nearest RR Timetable Station * TROWBRIDGE	
15. Parent RR (if applicable) <input type="checkbox"/> N/A		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A CSX		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter		<input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0	
23. Type of Land Use <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number _____			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established _____		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.7038000		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.4324040	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *			
30.B. Railroad Use *		31.A. State Use *			
30.C. Railroad Use *		31.B. State Use *			
30.D. Railroad Use *		31.C. State Use *			
30.E. Railroad Use *		31.D. State Use *			
32.A. Narrative (Railroad Use) *			32.B. Narrative (State Use) *		
33. Emergency Notification Telephone No. (posted) 800-232-0144		34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592	

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 1	1.B. Total Night Thru Trains (6 PM to 6 AM) 2	1.C. Total Switching Trains 1	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 40 3.B. Typical Speed Range Over Crossing (mph) From 35 to 40		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 07/10/2014		PAGE 2		D. Crossing Inventory Number (7 char.) 234405A	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2. Types of Passive Traffic Control Devices associated with the Crossing				
2.A. Crossbuck Assemblies (count) 0	2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____		
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No	2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No
2.J. Other MUTCD Signs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)		
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway <u>2</u> Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane <u>2</u> <input type="checkbox"/> Incandescent Not Over Traffic Lane <u>0</u> <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) <u>0</u> <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None			3.K. Other Flashing Lights or Warning Devices Count <u>0</u> Specify type _____		
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes <u>4</u>	<input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic	2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input checked="" type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) <u>75</u>		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°		8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input checked="" type="checkbox"/> (03) Federal AID, Not NHS <input type="checkbox"/> (08) Non-Federal Aid	2. Functional Classification of Road at Crossing <input type="checkbox"/> (0) Rural <input checked="" type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input checked="" type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit <u>40</u> MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory	5. Linear Referencing System (LRS Route ID) * 6. LRS Milepost *
7. Annual Average Daily Traffic (AADT) Year <u>2004</u> AADT <u>024893</u>	8. Estimated Percent Trucks <u>10</u> %	9. Regularly Used by School Buses? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Average Number per Day <u>60</u>		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No	
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 07 / 10 / 2014	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed <input type="checkbox"/> Re-Open <input type="checkbox"/> Date Change Only <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 234404T
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad CSX Transportation [CSX]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near OKEMOS		5. Street/Road Name & Block Number DOBIE RD (Street/Road Name) * (Block Number)		6. Highway Type & No. CR	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR SOO		
9. Railroad Division or Region <input type="checkbox"/> None CHICAGO		10. Railroad Subdivision or District <input type="checkbox"/> None PLYMOUTH		11. Branch or Line Name <input type="checkbox"/> None	
12. RR Milepost 0079.99 (prefix) (nnnn.nnn) (suffix)		13. Line Segment * CH		14. Nearest RR Timetable Station * TROWBRIDGE	
15. Parent RR (if applicable) <input type="checkbox"/> N/A		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A CSX		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0		23. Type of Land Use <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard	
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.6986010		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.4105990	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *		31.A. State Use *	
30.B. Railroad Use *		31.B. State Use *		30.C. Railroad Use *	
30.D. Railroad Use *		31.C. State Use *		30.D. Railroad Use *	
32.A. Narrative (Railroad Use) *		32.B. Narrative (State Use) *		33. Emergency Notification Telephone No. (posted) 800-232-0144	
34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592			

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 1	1.B. Total Night Thru Trains (6 PM to 6 AM) 2	1.C. Total Switching Trains 1	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 40 3.B. Typical Speed Range Over Crossing (mph) From 35 to 40		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 07/10/2014		PAGE 2		D. Crossing Inventory Number (7 char.) 2344041	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing			
2.A. Crossbuck Assemblies (count) 0		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No		2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No
2.I. ENS Sign (I-13) Displayed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2.J. Other MUTCD Signs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway <u>2</u> Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane <u>0</u> <input type="checkbox"/> Incandescent Not Over Traffic Lane <u>0</u> <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) <u>2</u> <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count <u>0</u> Specify type _____	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad <input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic Number of Lanes <u>2</u> <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input checked="" type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) <u>75</u>			7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°	8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal AID		2. Functional Classification of Road at Crossing <input checked="" type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input checked="" type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit <u>35</u> MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory
5. Linear Referencing System (LRS Route ID) *					
6. LRS Milepost *					
7. Annual Average Daily Traffic (AADT) Year <u>2004</u> AADT <u>012300</u>		8. Estimated Percent Trucks <u>15</u> %	9. Regularly Used by School Buses? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Average Number per Day <u>36</u>		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 07 / 10 / 2014	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed <input type="checkbox"/> Re-Open <input type="checkbox"/> Date Change Only <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 234403L
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad CSX Transportation [CSX]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input checked="" type="checkbox"/> In <input type="checkbox"/> Near OKEMOS		5. Street/Road Name & Block Number SYLVAN GLEN RD (Street/Road Name) * (Block Number)		6. Highway Type & No. PVT.	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR _____			8. Do Other Railroads Operate Over Your Track at Crossing? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR _____		
9. Railroad Division or Region <input type="checkbox"/> None CHICAGO		10. Railroad Subdivision or District <input type="checkbox"/> None PLYMOUTH		11. Branch or Line Name <input type="checkbox"/> None	
12. RR Milepost 0079.57 (prefix) (nnnn.nnn) (suffix)		13. Line Segment * CH		14. Nearest RR Timetable Station * TROWBRIDGE	
15. Parent RR (if applicable) <input type="checkbox"/> N/A		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A		17. Crossing Type <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Transit <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Commuter <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0		23. Type of Land Use <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard	
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number _____			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established _____		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.6907460		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.3729930	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *		31.A. State Use *	
30.B. Railroad Use *		31.B. State Use *		30.C. Railroad Use *	
30.D. Railroad Use *		31.C. State Use *		30.D. Railroad Use *	
32.A. Narrative (Railroad Use) *		32.B. Narrative (State Use) *		33. Emergency Notification Telephone No. (posted) 800-232-0144	
34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592			

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 1	1.B. Total Night Thru Trains (6 PM to 6 AM) 2	1.C. Total Switching Trains 1	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 40 3.B. Typical Speed Range Over Crossing (mph) From 35 to 40		
4. Type and Count of Tracks Main 0 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 07/10/2014		PAGE 2		D. Crossing Inventory Number (7 char.) 234403L	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing			
2.A. Crossbuck Assemblies (count) 0		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No		2.F. Pavement Markings <input type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No
2.I. ENS Sign (I-13) Displayed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2.J. Other MUTCD Signs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2.L. LED Enhanced Signs (List types)
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 0 Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) 0 <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 0
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes _____ <input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) _____		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input type="checkbox"/> 60° - 90°		8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input type="checkbox"/> (08) Non-Federal Aid		2. Functional Classification of Road at Crossing <input type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input type="checkbox"/> No	4. Highway Speed Limit _____ MPH <input type="checkbox"/> Posted <input type="checkbox"/> Statutory
7. Annual Average Daily Traffic (AADT) Year 1970 _____ AADT _____		8. Estimated Percent Trucks _____ %	9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day 0		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

Form section containing: A. Revision Date (07/10/2014), B. Reporting Agency (Railroad), C. Reason for Update (Change in Data), D. DOT Crossing Inventory Number (234402E)

Part I: Location and Classification Information

Main form section containing: 1. Primary Operating Railroad (CSX), 2. State (MICHIGAN), 3. County (INGHAM), 4. City / Municipality (OKEMOS), 5. Street/Road Name & Block Number (VANATTA ROAD), 6. Highway Type & No. (CR), 7. Do Other Railroads Operate a Separate Track at Crossing? (No), 8. Do Other Railroads Operate Over Your Track at Crossing? (Yes), 9. Railroad Division or Region (CHICAGO), 10. Railroad Subdivision or District (PLYMOUTH), 11. Branch or Line Name, 12. RR Milepost (0078.27), 13. Line Segment (CH), 14. Nearest RR Timetable Station (WILLIAMSTON), 15. Parent RR (N/A), 16. Crossing Owner (CSX), 17. Crossing Type (Public), 18. Crossing Purpose (Highway), 19. Crossing Position (At Grade), 20. Public Access (No), 21. Type of Train (Freight), 22. Average Passenger Train Count Per Day (0), 23. Type of Land Use (Open Space), 24. Is there an Adjacent Crossing with a Separate Number? (No), 25. Quiet Zone (No), 26. HSR Corridor ID (N/A), 27. Latitude in decimal degrees (42.6912000), 28. Longitude in decimal degrees (-84.3786010), 29. Lat/Long Source (Actual), 30.A-D. Railroad Use, 31.A-D. State Use, 32.A. Narrative (Railroad Use), 32.B. Narrative (State Use), 33. Emergency Notification Telephone No. (800-232-0144), 34. Railroad Contact (Telephone No.), 35. State Contact (Telephone No.) (517-335-2592)

Part II: Railroad Information

Form section containing: 1. Estimated Number of Daily Train Movements (1.0, 2.0, 1.0, 1.0, 1.0), 2. Year of Train Count Data (YYYY), 3. Speed of Train at Crossing (35 to 40 mph), 4. Type and Count of Tracks (Main 1, Siding, Yard, Transit, Industry), 5. Train Detection (Main Track only) (DC), 6. Is Track Signaled? (Yes), 7.A. Event Recorder (No), 7.B. Remote Health Monitoring (No)

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 07/10/2014		PAGE 2		D. Crossing Inventory Number (7 char.) 234402E	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing			
2.A. Crossbuck Assemblies (count) 0		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No		2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No
2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No		2.J. Other MUTCD Signs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway <u>2</u> Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane <u>0</u> <input type="checkbox"/> Incandescent Not Over Traffic Lane <u>0</u> <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) <u>2</u> <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count <u>0</u> Specify type _____	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad <input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic Number of Lanes <u>2</u> <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input checked="" type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Approximate Distance (feet) _____			7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°	8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal Aid		2. Functional Classification of Road at Crossing <input checked="" type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input checked="" type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory
5. Linear Referencing System (LRS Route ID) *					
6. LRS Milepost *					
7. Annual Average Daily Traffic (AADT) Year <u>2004</u> AADT <u>001900</u>		8. Estimated Percent Trucks <u>15</u> %	9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day <u>0</u>		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 07 / 10 / 2014	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> Re-Open <input type="checkbox"/> New Crossing <input type="checkbox"/> Date Change Only <input type="checkbox"/> Closed <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 234401X
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad CSX Transportation [CSX]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near EAST LANSING		5. Street/Road Name & Block Number MERIDIAN ROAD (Street/Road Name) * (Block Number)		6. Highway Type & No. CR	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR SOO		
9. Railroad Division or Region <input type="checkbox"/> None CHICAGO		10. Railroad Subdivision or District <input type="checkbox"/> None PLYMOUTH		11. Branch or Line Name <input type="checkbox"/> None	
12. RR Milepost 0077.53 (prefix) (nnnn.nnn) (suffix)		13. Line Segment * CH		14. Nearest RR Timetable Station * WILLIAMSTON	
15. Parent RR (if applicable) <input type="checkbox"/> N/A		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A CSX		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter		<input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0	
23. Type of Land Use <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.6899990		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.3638000	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *		31.A. State Use *	
30.B. Railroad Use *		31.B. State Use *		30.C. Railroad Use *	
30.D. Railroad Use *		31.C. State Use *		30.D. Railroad Use *	
31.D. State Use *		32.A. Narrative (Railroad Use) *		32.B. Narrative (State Use) *	
33. Emergency Notification Telephone No. (posted) 800-232-0144		34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592	

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 1	1.B. Total Night Thru Trains (6 PM to 6 AM) 2	1.C. Total Switching Trains 1	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 40 3.B. Typical Speed Range Over Crossing (mph) From 35 to 40		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 07/10/2014		PAGE 2		D. Crossing Inventory Number (7 char.) 234401X	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing			
2.A. Crossbuck Assemblies (count) 0		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No		2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No
2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No		2.J. Other MUTCD Signs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 0 Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates <input type="checkbox"/> 4 Quad	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) 2 <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes 2 <input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input checked="" type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Approximate Distance (feet) _____			7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°	8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input checked="" type="checkbox"/> (03) Federal AID, Not NHS <input type="checkbox"/> (08) Non-Federal Aid		2. Functional Classification of Road at Crossing <input checked="" type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input checked="" type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit 55 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory
5. Linear Referencing System (LRS Route ID) *					
6. LRS Milepost *					
7. Annual Average Daily Traffic (AADT) Year 2004 AADT 003000		8. Estimated Percent Trucks 25 _____ %	9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day 0 _____		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 03 / 04 / 2013	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed <input type="checkbox"/> Re-Open <input type="checkbox"/> Date Change Only <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 283653G
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad Grand Trunk Western Railroad Incorporated [GTW]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input checked="" type="checkbox"/> In <input type="checkbox"/> Near EAST LANSING		5. Street/Road Name & Block Number HAGADORN ROAD (Street/Road Name) * (Block Number)		6. Highway Type & No. CITY	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR ATK		
9. Railroad Division or Region <input type="checkbox"/> None MIDWEST		10. Railroad Subdivision or District <input type="checkbox"/> None FLINT		11. Branch or Line Name <input type="checkbox"/> None MAIN LINE	
12. RR Milepost 0225.47 (prefix) (nnnn.nnn) (suffix)		13. Line Segment *		14. Nearest RR Timetable Station * TROWBRIDGE	
15. Parent RR (if applicable) <input type="checkbox"/> N/A CN		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A GTW		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Transit <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Commuter <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0		23. Type of Land Use <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard	
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.7212980		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.4621960	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *		31.A. State Use *	
30.B. Railroad Use *		31.B. State Use *		30.C. Railroad Use *	
30.D. Railroad Use *		31.C. State Use *		30.D. Railroad Use *	
32.A. Narrative (Railroad Use) *		32.B. Narrative (State Use) *		33. Emergency Notification Telephone No. (posted) 800-617-6617	
34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592			

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 17	1.B. Total Night Thru Trains (6 PM to 6 AM) 1	1.C. Total Switching Trains 0	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 65 3.B. Typical Speed Range Over Crossing (mph) From 60 to 65		
4. Type and Count of Tracks Main 2 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 03/04/2013		PAGE 2		D. Crossing Inventory Number (7 char.) 283653G	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2. Types of Passive Traffic Control Devices associated with the Crossing				
2.A. Crossbuck Assemblies (count) 4	2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____		
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No	2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No
2.J. Other MUTCD Signs Specify Type _____ Count 4 Specify Type _____ Count 4 Specify Type _____ Count _____		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)	
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 2 Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) 4 <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) _____/_____/_____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/_____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None			3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____		
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes 4	<input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic	2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/_____ <input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input checked="" type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) 75		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°		8. Is Commercial Power Available? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input checked="" type="checkbox"/> (03) Federal AID, Not NHS <input type="checkbox"/> (08) Non-Federal Aid	2. Functional Classification of Road at Crossing <input type="checkbox"/> (0) Rural <input checked="" type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input checked="" type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit 35 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory	5. Linear Referencing System (LRS Route ID) * 6. LRS Milepost *
7. Annual Average Daily Traffic (AADT) Year 2004 AADT 021900	8. Estimated Percent Trucks 25 _____ %	9. Regularly Used by School Buses? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Average Number per Day 8 _____		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No	
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 03 / 04 / 2013	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed <input type="checkbox"/> Re-Open <input type="checkbox"/> Date Change Only <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 283655V
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad Grand Trunk Western Railroad Incorporated [GTW]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near HASLETT		5. Street/Road Name & Block Number OKEMOS ROAD (Street/Road Name) * (Block Number)		6. Highway Type & No. COUNTY	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR ATK		
9. Railroad Division or Region <input type="checkbox"/> None MIDWEST		10. Railroad Subdivision or District <input type="checkbox"/> None FLINT		11. Branch or Line Name <input type="checkbox"/> None MAIN LINE	
12. RR Milepost 0227.51 (prefix) (nnnn.nnn) (suffix)		13. Line Segment *		14. Nearest RR Timetable Station * HASLETT	
15. Parent RR (if applicable) <input type="checkbox"/> N/A CN		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A GTW		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter		<input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0	
23. Type of Land Use <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.7528990		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.5407030	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *			
30.B. Railroad Use *		30.C. Railroad Use *			
30.D. Railroad Use *		30.E. Railroad Use *			
31.A. State Use *			31.B. State Use *		
31.C. State Use *			31.D. State Use *		
32.A. Narrative (Railroad Use) *			32.B. Narrative (State Use) *		
33. Emergency Notification Telephone No. (posted) 800-617-6617		34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592	

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 17	1.B. Total Night Thru Trains (6 PM to 6 AM) 1	1.C. Total Switching Trains 0	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 65 3.B. Typical Speed Range Over Crossing (mph) From 60 to 65		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 03/04/2013		PAGE 2		D. Crossing Inventory Number (7 char.) 283655V	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2. Types of Passive Traffic Control Devices associated with the Crossing				
2.A. Crossbuck Assemblies (count) 2	2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____		
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No	2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No
2.J. Other MUTCD Signs Specify Type _____ Count 2 Specify Type _____ Count 2 Specify Type _____ Count _____		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)	
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 2 Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates <input type="checkbox"/> 4 Quad	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) 2 <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) _____/_____/_____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/_____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None			3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____		
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes 2	<input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic	2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/_____ <input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input checked="" type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) 75		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input checked="" type="checkbox"/> 30° - 59° <input type="checkbox"/> 60° - 90°		8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal AID	2. Functional Classification of Road at Crossing <input type="checkbox"/> (0) Rural <input checked="" type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input checked="" type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit 40 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory	5. Linear Referencing System (LRS Route ID) * 6. LRS Milepost *
7. Annual Average Daily Traffic (AADT) Year 2004 AADT 012200	8. Estimated Percent Trucks 25 _____ %	9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day 0 _____		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No	
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 03 / 04 / 2013	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> Re-Open <input type="checkbox"/> New Crossing <input type="checkbox"/> Date Change Only <input type="checkbox"/> Closed <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 283658R
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad Grand Trunk Western Railroad Incorporated [GTW]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near HASLETT		5. Street/Road Name & Block Number HASLETT ROAD (Street/Road Name) * (Block Number)		6. Highway Type & No. COUNTY	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR ATK		
9. Railroad Division or Region <input type="checkbox"/> None MIDWEST		10. Railroad Subdivision or District <input type="checkbox"/> None FLINT		11. Branch or Line Name <input type="checkbox"/> None MAIN LINE	
12. RR Milepost 0229.01 (prefix) (nnnn.nnn) (suffix)		13. Line Segment *		14. Nearest RR Timetable Station * HASLETT	
15. Parent RR (if applicable) <input type="checkbox"/> N/A CN		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A GTW		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter		<input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0	
23. Type of Land Use <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.7253990		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.5822980	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *		31.A. State Use *	
30.B. Railroad Use *		31.B. State Use *		31.C. State Use *	
30.C. Railroad Use *		31.D. State Use *		32.A. Narrative (Railroad Use) *	
30.D. Railroad Use *		32.B. Narrative (State Use) *		33. Emergency Notification Telephone No. (posted) 800-617-6617	
34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592			

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 17	1.B. Total Night Thru Trains (6 PM to 6 AM) 1	1.C. Total Switching Trains 0	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 65 3.B. Typical Speed Range Over Crossing (mph) From 60 to 65		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 03/04/2013		PAGE 2		D. Crossing Inventory Number (7 char.) 283658R	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2. Types of Passive Traffic Control Devices associated with the Crossing				
2.A. Crossbuck Assemblies (count) 2	2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____		
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No	2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No
2.J. Other MUTCD Signs <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Specify Type _____ Count 2 Specify Type _____ Count 2 Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)		
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 2 Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 2 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) 2 <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count 1 Specify type SIDELITE	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes 3 <input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input checked="" type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) 75			7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input checked="" type="checkbox"/> 30° - 59° <input type="checkbox"/> 60° - 90°	8. Is Commercial Power Available? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input checked="" type="checkbox"/> (03) Federal AID, Not NHS <input type="checkbox"/> (08) Non-Federal Aid		2. Functional Classification of Road at Crossing <input type="checkbox"/> (0) Rural <input checked="" type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input checked="" type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit 25 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory
5. Linear Referencing System (LRS Route ID) *					
6. LRS Milepost *					
7. Annual Average Daily Traffic (AADT) Year 2002 AADT 012300		8. Estimated Percent Trucks 05 _____ %	9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day 0		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 03 / 04 / 2013	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> Re-Open <input type="checkbox"/> New Crossing <input type="checkbox"/> Date Change Only <input type="checkbox"/> Closed <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 283659X
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad Grand Trunk Western Railroad Incorporated [GTW]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near HASLETT		5. Street/Road Name & Block Number CARLTON ROAD (Street/Road Name) * (Block Number)		6. Highway Type & No. COUNTY	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR ATK		
9. Railroad Division or Region <input type="checkbox"/> None MIDWEST		10. Railroad Subdivision or District <input type="checkbox"/> None FLINT		11. Branch or Line Name <input type="checkbox"/> None MAIN LINE	
12. RR Milepost 0229.33 (prefix) (nnnn.nnn) (suffix)		13. Line Segment *		14. Nearest RR Timetable Station * HASLETT	
15. Parent RR (if applicable) <input type="checkbox"/> N/A CN		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A GTW		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter		<input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0	
23. Type of Land Use <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.7490010		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.3981020	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *		31.A. State Use *	
30.B. Railroad Use *		31.B. State Use *		31.C. State Use *	
30.C. Railroad Use *		31.D. State Use *		32.A. Narrative (Railroad Use) *	
30.D. Railroad Use *		32.B. Narrative (State Use) *		33. Emergency Notification Telephone No. (posted) 800-617-6617	
34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592			

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 17	1.B. Total Night Thru Trains (6 PM to 6 AM) 1	1.C. Total Switching Trains 0	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 65 3.B. Typical Speed Range Over Crossing (mph) From 60 to 65		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 03/04/2013		PAGE 2		D. Crossing Inventory Number (7 char.) 283659X	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2. Types of Passive Traffic Control Devices associated with the Crossing				
2.A. Crossbuck Assemblies (count) 2	2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____		
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No	2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No
2.J. Other MUTCD Signs Specify Type _____ Count 2 Specify Type _____ Count 2 Specify Type _____ Count _____		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)	
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 2 Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) 2 <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes 2	<input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic	2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input checked="" type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) 75			7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input checked="" type="checkbox"/> 30° - 59° <input type="checkbox"/> 60° - 90°	8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal AID	2. Functional Classification of Road at Crossing <input type="checkbox"/> (0) Rural <input checked="" type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input checked="" type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit 25 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory	5. Linear Referencing System (LRS Route ID) * 6. LRS Milepost *
7. Annual Average Daily Traffic (AADT) Year 2003 AADT 001400	8. Estimated Percent Trucks 15 _____ %	9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day 0 _____		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No	
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 03 / 04 / 2013	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed <input type="checkbox"/> Re-Open <input type="checkbox"/> Date Change Only <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 283660S
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad Grand Trunk Western Railroad Incorporated [GTW]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near HASLETT		5. Street/Road Name & Block Number GREEN ROAD (Street/Road Name) * (Block Number)		6. Highway Type & No. COUNTY	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR ATK		
9. Railroad Division or Region <input type="checkbox"/> None MIDWEST		10. Railroad Subdivision or District <input type="checkbox"/> None FLINT		11. Branch or Line Name <input type="checkbox"/> None MAIN LINE	
12. RR Milepost 0231.08 (prefix) (nnnn.nnn) (suffix)		13. Line Segment *		14. Nearest RR Timetable Station *	
15. Parent RR (if applicable) <input type="checkbox"/> N/A CN		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A GTW		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter		<input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0	
23. Type of Land Use <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.7624020		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.3691020	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *			
30.B. Railroad Use *		31.A. State Use *			
30.C. Railroad Use *		31.B. State Use *			
30.D. Railroad Use *		31.C. State Use *			
30.E. Railroad Use *		31.D. State Use *			
32.A. Narrative (Railroad Use) *			32.B. Narrative (State Use) *		
33. Emergency Notification Telephone No. (posted) 800-617-6617		34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592	

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 17	1.B. Total Night Thru Trains (6 PM to 6 AM) 1	1.C. Total Switching Trains 0	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 65 3.B. Typical Speed Range Over Crossing (mph) From 60 to 65		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 03/04/2013		PAGE 2		D. Crossing Inventory Number (7 char.) 283660S	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing			
2.A. Crossbuck Assemblies (count) 2		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No		2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No
2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No		2.J. Other MUTCD Signs <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Specify Type _____ Count 2 Specify Type _____ Count 2 Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 2 Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) 2 <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) _____/_____/_____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/_____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes 2 <input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/_____ <input type="checkbox"/> 1 Timber <input checked="" type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Approximate Distance (feet) _____		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input checked="" type="checkbox"/> 30° - 59° <input type="checkbox"/> 60° - 90°		8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal AID		2. Functional Classification of Road at Crossing <input checked="" type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input checked="" type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit 35 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory
5. Linear Referencing System (LRS Route ID) *					
6. LRS Milepost *					
7. Annual Average Daily Traffic (AADT) Year 2003 AADT 001400		8. Estimated Percent Trucks 15 _____ %	9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day 0 _____		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

Appendix B

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 03 / 04 / 2013	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> New <input type="checkbox"/> Closed <input type="checkbox"/> Re-Open <input type="checkbox"/> Date <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 283661Y
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad Grand Trunk Western Railroad Incorporated [GTW]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near HASLETT		5. Street/Road Name & Block Number BARRY ROAD (Street/Road Name) * (Block Number)		6. Highway Type & No. CR	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR ATK		
9. Railroad Division or Region <input type="checkbox"/> None MIDWEST		10. Railroad Subdivision or District <input type="checkbox"/> None FLINT		11. Branch or Line Name <input type="checkbox"/> None MAIN LINE	
12. RR Milepost 0232.07 (prefix) (nnnn.nnn) (suffix)		13. Line Segment *		14. Nearest RR Timetable Station *	
15. Parent RR (if applicable) <input type="checkbox"/> N/A CN		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A GTW		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter		<input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0	
23. Type of Land Use <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.7695010		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.3522030	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *		31.A. State Use *	
30.B. Railroad Use *		31.B. State Use *		30.C. Railroad Use *	
30.D. Railroad Use *		31.C. State Use *		30.D. Railroad Use *	
32.A. Narrative (Railroad Use) *		32.B. Narrative (State Use) *		33. Emergency Notification Telephone No. (posted) 800-617-6617	
34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592			

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 17	1.B. Total Night Thru Trains (6 PM to 6 AM) 1	1.C. Total Switching Trains 0	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 65 3.B. Typical Speed Range Over Crossing (mph) From 60 to 65		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 03/04/2013		PAGE 2		D. Crossing Inventory Number (7 char.) 283661Y	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing			
2.A. Crossbuck Assemblies (count) 2		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No		2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No
2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No		2.J. Other MUTCD Signs <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Specify Type _____ Count 2 Specify Type _____ Count 2 Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 2 Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) 2 <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes 2 <input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input checked="" type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) 75			7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input checked="" type="checkbox"/> 30° - 59° <input type="checkbox"/> 60° - 90°	8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal Aid		2. Functional Classification of Road at Crossing <input checked="" type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input checked="" type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit 55 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory
5. Linear Referencing System (LRS Route ID) *					
6. LRS Milepost *					
7. Annual Average Daily Traffic (AADT) Year 2004 AADT 001000		8. Estimated Percent Trucks 15 _____ %	9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day 0		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 03 / 04 / 2013	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed <input type="checkbox"/> Re-Open <input type="checkbox"/> Date Change Only <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 283662F
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad Grand Trunk Western Railroad Incorporated [GTW]		2. State MICHIGAN		3. County INGHAM	
4. City / Municipality <input type="checkbox"/> In <input checked="" type="checkbox"/> Near HASLETT		5. Street/Road Name & Block Number SHOEMAN ROAD (Street/Road Name) * (Block Number)		6. Highway Type & No. COUNTY	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR ATK		
9. Railroad Division or Region <input type="checkbox"/> None MIDWEST		10. Railroad Subdivision or District <input type="checkbox"/> None FLINT		11. Branch or Line Name <input type="checkbox"/> None MAIN LINE	
12. RR Milepost 0232.15 (prefix) (nnnn.nnn) (suffix)		13. Line Segment *		14. Nearest RR Timetable Station * HASLETT	
15. Parent RR (if applicable) <input type="checkbox"/> N/A CN		16. Crossing Owner (if applicable) <input type="checkbox"/> N/A GTW		17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.		19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over		20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
21. Type of Train <input type="checkbox"/> Freight <input type="checkbox"/> Transit <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Commuter <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day 0		23. Type of Land Use <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard	
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 42.7703020		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -84.3500980	
29. Lat/Long Source <input type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *		31.A. State Use *	
30.B. Railroad Use *		31.B. State Use *		30.C. Railroad Use *	
30.D. Railroad Use *		31.C. State Use *		30.D. Railroad Use *	
32.A. Narrative (Railroad Use) *		32.B. Narrative (State Use) *		33. Emergency Notification Telephone No. (posted) 800-617-6617	
34. Railroad Contact (Telephone No.)		35. State Contact (Telephone No.) 517-335-2592			

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 17	1.B. Total Night Thru Trains (6 PM to 6 AM) 1	1.C. Total Switching Trains 0	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY)		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 65 3.B. Typical Speed Range Over Crossing (mph) From 60 to 65		
4. Type and Count of Tracks Main 1 Siding _____ Yard _____ Transit _____ Industry _____				
5. Train Detection (Main Track only) <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input type="checkbox"/> No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 03/04/2013		PAGE 2		D. Crossing Inventory Number (7 char.) 283662F	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing			
2.A. Crossbuck Assemblies (count) 2		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 _____ <input type="checkbox"/> W10-3 _____ <input type="checkbox"/> W10-11 _____ <input type="checkbox"/> W10-2 _____ <input type="checkbox"/> W10-4 _____ <input type="checkbox"/> W10-12 _____	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No		2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No
2.I. ENS Sign (I-13) Displayed <input type="checkbox"/> Yes <input type="checkbox"/> No		2.J. Other MUTCD Signs <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Specify Type _____ Count 2 Specify Type _____ Count 2 Specify Type _____ Count _____		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 2 Pedestrian _____	3.B. Gate Configuration <input type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) 2 <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 0
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 2
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes 2 <input type="checkbox"/> One-way Traffic <input type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____ <input type="checkbox"/> 1 Timber <input checked="" type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____					
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) 75			7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°	8. Is Commercial Power Available? * <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input checked="" type="checkbox"/> (03) Federal AID, Not NHS <input type="checkbox"/> (08) Non-Federal Aid		2. Functional Classification of Road at Crossing <input checked="" type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input checked="" type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit 55 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory
5. Linear Referencing System (LRS Route ID) *					
6. LRS Milepost *					
7. Annual Average Daily Traffic (AADT) Year 2002 AADT 003700		8. Estimated Percent Trucks 20 _____ %	9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day 0		10. Emergency Services Route <input type="checkbox"/> Yes <input type="checkbox"/> No
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____					
Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					



To: Supervisor Ronald J. Styka and Board Members

From: Phil Deschaine, Township Trustee and Board Representative to the Transportation Commission

Date: November 16, 2017

Re: Recommendations from the Transportation Committee regarding CATA

At the October 19th meeting, the Meridian Township Transportation Commission, the Commission passed a motion that recommends the Township Board negotiate a formal agreement for with CATA for Redi-Ride service, replacing the 2000 letter of agreement. The new agreement would include regular reporting, data collection, on-going communications with the Township Board and Transportation Commission, service standards, updated technology tools for riders, investigation of options for cross border commerce centers, and pursuit of increased capacity and and/or hours of service.

As background, I have attached draft a copy of the 2000 letter of agreement between Meridian Township and CATA.

On a related issue, the Transportation Commission has not yet taken action on the proposal to expand Redi-Ride service hours into the evening by utilizing two funding sources CATA has obtained. These funding sources are grants named Job Access and Reverse Commute (JARC), and New Freedom Funds (NFF). Both are three-year grants, which could be used to fund a portion of expanded evening service from 2018-2020.

Attachment:

1. 2000 Letter of Agreement



Capital Area Transportation Authority



May 19, 2000

Mr. William McCullough
Township Supervisor
Meridian Township
5151 Marsh Road
Okemos, MI 48864

Dear Mr. McCullough:

This letter is to confirm the basis for CATA's expansion of public transportation service in Meridian Township (the "Township") over a ten (10) year period through December 31, 2010. Initially, CATA will provide Redi-Ride service, which is demand-response curb-to-curb service. As has been announced, this Redi-Ride service will be provided with two CATA small bus vehicles, Monday through Friday from 9:00 a.m. to 5:00 p.m. beginning June 12, 2000, and on Saturdays from 9:00 a.m. to 5:00 p.m. beginning November 25, 2000. CATA will provide the two small bus vehicles for the service and will incur other capital and operating costs, such as for additional vehicles, labor, marketing, administration, and maintenance.

The Redi-Ride service will be provided within two (2) service areas in the Township, one generally north and one south of Grand River, although each area will overlap the general business districts of Meridian Mall and Okemos Meijer. (See attached map). A transfer will be required to ride between the two service areas. CATA may reorganize the service areas within the Township for efficiency, ridership demand, or other customary public transportation considerations.

CATA will schedule rides in accordance with its demand-response transportation practices, which currently permit rides to be reserved in advance by telephone during specified daily hours, currently 6:30 a.m. to 4:30 p.m., Monday through Friday. Reservations must be made at least four (4) hours prior to the ride. Fares for service will be CATA's customary fares, which are currently \$1.00 for adults and one-half adult fare (i.e., 50¢) for students, seniors, and persons with disabilities. CATA fixed route passes are not accepted for demand-response service.

Meridian Township has a very good school transportation system. When that transportation is available to a student, school transportation will not be provided by the Redi-Ride service. Also, demand response service is not provided to those who could reasonably use fixed route service to reach their destinations, but service will be given to or from a fixed route when this is practical. Customers may be required to transfer between demand-response service and fixed route service to complete their trip. Service cannot be restricted to Township residents.

CATA's marginal costs for the service expansion are to be funded by the 0.2 transportation millage which was approved by Meridian Township voters in November 1999. The Township has levied and will pay over to CATA all such transportation millage funds collected for calendar years through December 31, 2010, less adjustments necessitated as a result of orders from the Michigan Tax Tribunal or boards of review. The Township will not be required to pay any additional funds for service expansion. CATA will deposit Township millage funds received in CATA's general account to support expanded service within the Township. CATA will retain for its own general purposes any fares, grants, or other funds received directly or indirectly in connection with the expanded services.

CATA will maintain an accounting of expenses in a manner consistent with CATA's accounting practices, which will be made available at reasonable times to Meridian Township and which reflects Township millage funds received and costs incurred or paid for the Redi-Ride service or other expanded service in the Township. The accounting of expenses will include reserves for capital purchases to support expanded service.

We anticipate providing expanded services for ten (10) years through December 31, 2010, although it is not possible to commit at this time to the details of such expanded services other than the above Redi-Ride service. For this reason, the initial commitment to provide Redi-Ride service will continue until the parties agree on other expanded services consistent with ridership demand, available millage receipts, costs, and public transportation factors.

CATA has begun marketing the Redi-Ride service to develop ridership demand. As ridership demand develops, CATA will review with the Township additional Redi-Ride service by increasing the number of vehicles and other expanded services which might be provided within the Township. Such expanded services and service changes will be considered and provided as appropriate within CATA's service plan procedures, after approval by the Township.

CATA has developed and shared with the Township multi-year estimates of costs, tax receipts, and ridership demand for future years. CATA will prepare a budget for expanded services in the Township which will be updated annually based on CATA's fiscal year (i.e., October 1 through September 30). Should CATA determine that transportation millage funds received from the Township are not or will not be sufficient to maintain expanded services, CATA and the Township will discuss service reductions and other alternatives. Should the parties fail to agree on such service reductions or alternatives, CATA may terminate expanded services upon sixty (60) days written notice to the Township, in which case CATA will refund to the Township millage funds received in excess of charges and costs paid or incurred by CATA for the expanded services, including capital costs.

We should also be clear that the expanded services are subject to the following:

1. The expanded services are provided by CATA as a public transportation authority within its service area and integrated into the CATA system. Meridian Township shall not be responsible for providing any transportation services under this agreement.
2. CATA and Meridian Township shall be available at reasonable times to meet and discuss the services provided, the budget for services, expenditures made for services, tax receipts, and other subjects of concern to the parties regarding this service.
3. CATA and the Township shall provide each other with such reasonable reports and information regarding the services as each may request.
4. The expanded services will be planned, budgeted, and forecast based on CATA's fiscal year beginning October 1 and ending September 30.
5. Meridian Township is responsible for collecting the transportation millage and paying these funds to CATA the month following receipt.
6. CATA is undertaking expanded services in anticipation of receiving, prior to June 12, 2000, at least \$224,000 for its actual operating and capital costs this year and to support the plan for service in future years.
7. If service cannot be provided due to causes outside of the control of the parties, or because of war, declaration of state, national emergency, riot, acts of God or public enemy, strike, work stoppage, or slowdown, service may be limited or discontinued by CATA. If such event occurs, CATA will be available at the request of the Township to discuss a mutually acceptable resolution.

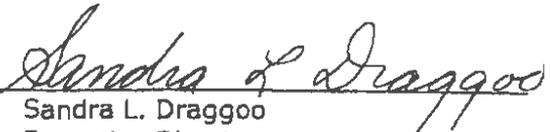
Mr. William McCullough
Township Supervisor
Meridian Township

May 19, 2000
Page Four

If the foregoing is satisfactory to Meridian Township, please indicate acceptance by signing and returning to me the enclosed copy of this letter.

Very truly yours,

CAPITAL AREA TRANSPORTATION AUTHORITY

By: 
Sandra L. Draggoo
Executive Director

By: 
Jean F. Golden
Board Chair

/ejw
Enclosure

cc: With enclosure:
Mary Helmbrecht, Township Clerk
Gerald Richards, Township Manager

ACCEPTED:

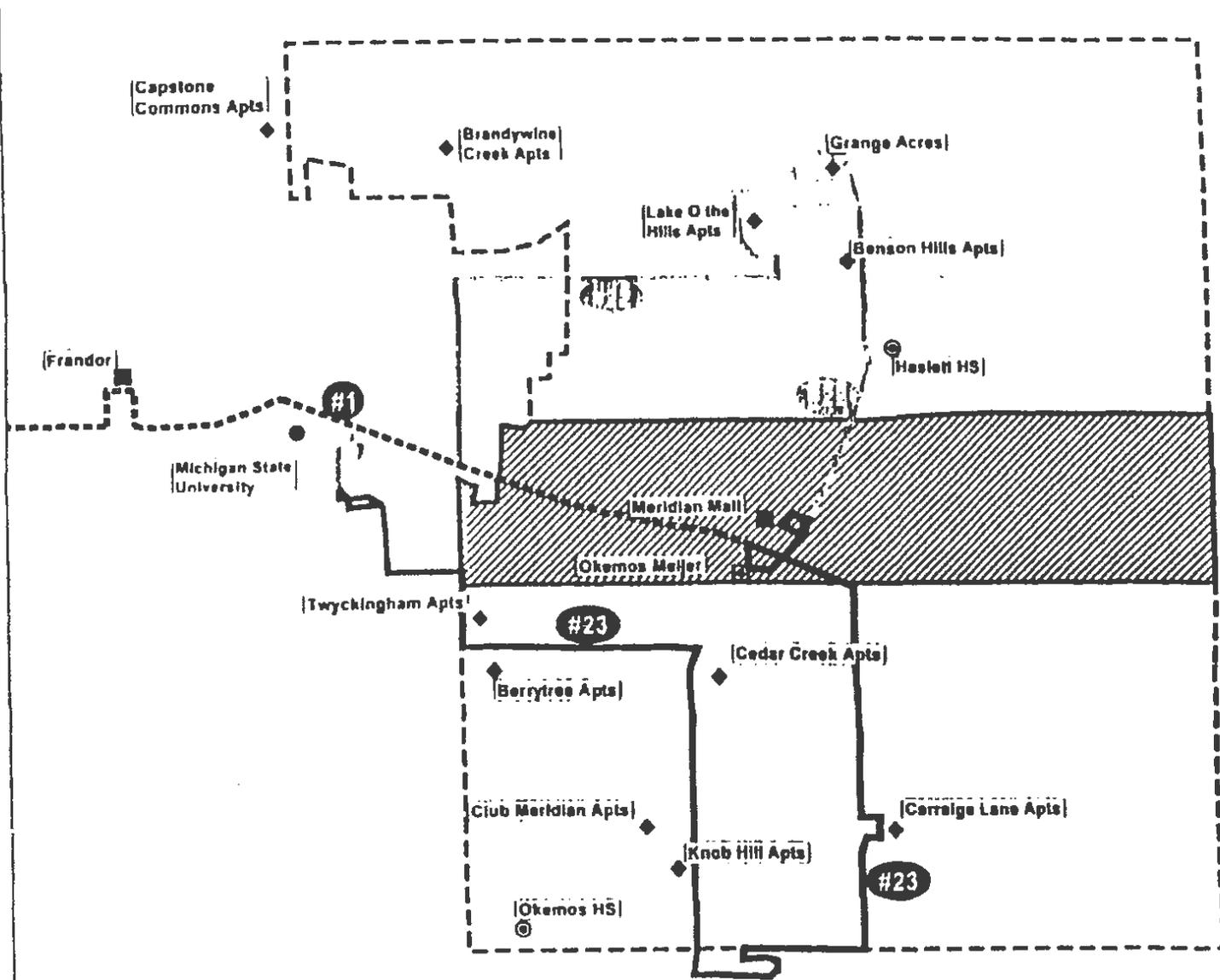
MERIDIAN TOWNSHIP

By: 
William McCullough
Meridian Township Supervisor

Dated: 6-12-00

By: 
Gerald Richards
Meridian Township Manager

Dated: 6/7/00



Meridian Twp Service Map Layers

- Haslett Redi Ride
 - Okemos Redi Ride
 - Redi Ride Overlap
 - High School
 - College/University
 - Mall/Shopping Center
 - Store
 - Housing
- 0 .5 1 1.5
Miles

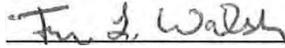
CATA Proposal



13. C

To: Township Board

From:



Frank L. Walsh, Township Manager

Date: November 16, 2017

Re: 2018 Township Goals

Based on our discussion Tuesday evening, we have compiled a 2018 Action Plan for your review. The 2018 departmental blue print and 2018 Action Plan are attached. The list is not prioritized.

Our TEAM is more than prepared to meet the challenges ahead of us. We look forward to the opportunity to continuing to serve Meridian's residents in an exemplary manner.

Attachments:

1. 2018 Goals Action Plan
2. 2018 M-Team Department Work Plan



2018

GOALS ACTION PLAN-DRAFT

- A. Create and adopt additional tools to assist in the redevelopment of our core commercial areas including the Four Corners of Okemos and the Downtown Haslett.**

- B. Continue our efforts to lower our Fire Insurance Rating through the Insurance Services Organization (ISO) from a 4 to 3.**

- C. Develop a comprehensive plan to fund our deteriorating local road system.**

- D. Implement a Township sponsored solar array and foster enacting timely components of the recently adopted Climate Sustainability Plan.**

- E. Determine the appropriate course of action regarding medical marijuana.**

- F. Solidify our plans with the Meridian Mall for the construction of a new Farmers' Market on Central Park Drive.**

- G. Achieve Redevelopment Ready Community (RRC) Certification through the Michigan Department of Economic Development (MEDC).**

- H. Continue to maximize recruiting and networking efforts to achieve increased diversity in our workforce.**

- I. Implement a plan to provide a comprehensive emergency siren program throughout the Township.**

- J. Enhance our recently developed website to maximize exposure and provide timely information.**

- K. Develop a plan to continue to offer a curbside public transportation service beyond 2019.**

MERIDIAN TOWNSHIP 2018 M-TEAM DEPARTMENT PLAN

ASSESSING

- Defend Tax Appeals with Vigor
- Conduct Annual Assessment/Re-Inspection of Taxable Properties
- Fully participate in the Local Update of the Census Addresses (LUCA) program in preparation of the 2020 Census

COMMUNICATIONS & MARKETING

- Create/find additional revenue sources
- Develop video archive system & integrate into current system (\$75,000 approved by board in 2018 budget)
- Create visitor guide (sell ads to offset cost) and create feature videos for key components to the guide
- Adopt social media policy
- Consider updating “Welcome to Meridian” signage in 2019

COMMUNITY, PLANNING & DEVELOPMENT

- Obtain Redevelopment Ready Community certification
- Redevelopment of Haslett and Downtown Okemos
- Adopt Form Based Code
- Begin Meridian 2020 Master Plan review/update
- Amend outdated/outmoded ordinances: MUPUD, Parking, Signs
- Further establish Brownfield Redevelopment Authority (BRA)
- Optimize Community Planning/Development website
- Update all applications, making them easier to use
- Develop guides for all CP&D processes
- Develop intern training ground with MSU Planning interns
- Review and update Planning, Building and Rental Housing procedures/processes
- Adopt 2015 International Maintenance Code.
- Consider updating “Welcome to Meridian” signage in 2019

ECONOMIC DEVELOPMENT

- Redevelopment Ready Community - certified via MEDC
- Redevelopment Fund - standard operating procedures, policies, applications developed and approved by Township Board
- Revitalize the PICA districts referenced in the Master Plan – solicit developers, land owners, commercial realtors and business owners and drive projects to the Planning Division
- Business Attraction & Retention Plan – develop standards and implement
- Modernize Zoning Ordinance – assist, where applicable, in the revision and implementation of updated PUD, Overlay Districts & Form Based Code

- Board Recruiting – develop plan for board member attraction, on-boarding, engagement and retention for the EDC, DDA, CIA and BRA
- Website – Assist communications in making the Economic Development components of the website more complete, robust and fluid to navigate
- Roads – work with ICRD, MDOT and Public Works to ensure all roadway work is conducive to Economic Development

FINANCE

- Work on the on line payment processing system
- Review and update Purchasing Policy
- Continue to seek opportunities to reduce overall operating expenses
- Continue to seek opportunities to reduce our MERS and Other Post-Employment Benefits (OPEB) debt
- Support the efforts to raise \$10,000 for Meridian Cares

FIRE DEPARTMENT

- Install 1,250 combination smoke/CO alarms as part of the FEMA grant
- Continue training new acting officers on Blue Card
- Install additional outdoor warning sirens
- Complete review and update of all Standard Operating Guidelines
- Complete conversion to online daily and monthly vehicle checks
- Complete training of two new full-time firefighters
- Lower our current Insurance Safety Organization (ISO) fire rating of (4)

HUMAN RESOURCES

- Continue to expand our diversity and inclusion initiatives including relationship with LEAP diversity work group
- Implement new employee appreciation and recognition programs and events
- Continued development of Township-wide workplace safety initiatives
- Maintain the highest quality, cost effective healthcare, dental, vision, life and LTD insurance coverages
- Update personnel policy manual to reflect needed additions and changes
- Continue to reduce potential grievances and address all issues in a timely manner
- Work with the Michigan Township Association (MTA) to perform a cost/benefit analysis regarding the Township of Excellence Certification

INFORMATION TECHNOLOGY

- Continue to seek opportunities to reduce overall operating costs
- Create a Diversity and Inclusion Strategy supported by leadership and employee involvement to maintain a well-rounded workforce
- Continue energy, water, and waste reduction efforts in Township buildings and other facilities

- Continue to respond to all citizen inquiries in a timely, professional, and efficient manner
- Replace 50 workstations to avoid issues with out of date hardware & operating systems
- Begin implementation of Point & Pay service with prioritization of Utility Billing Payments
- Review, plan, & rebid existing telephone & point to point service connection contracts
- Add high throughput data connection as primary Internet service at the Town Hall Building
- Provide expanded technology training opportunities

PARKS AND RECREATION

- Engineer and bid new footbridge and bathroom building project in Meridian Historical Village
- Engineer and bid Central Meridian Regional Trail Connector project
- Construct dog park in Central Park South
- Engineer and construct phase I of “Marketplace on the Green” at Meridian Mall
- Complete construction of Towner Road Park
- Expand parking lot at North Meridian Road Park
- Repave Eastgate Park
- Complete design and installation of trailhead and directional signage in parks
- Purchase and install new park signs utilizing new township logo
- Complete pathway bridge replacements and pathway repairs that are funded through the Ingham County Parks and Trails Millage
- Construct patio/courtyard improvements at the Meridian Senior Center
- Successfully plan and implement the 2018 Celebrate Meridian event as well as other special events throughout the year.
- Continue implementation of the Deer Management Program
- Continue implementation of recreation programs for youth, adults and seniors
- Investigate new software and web-based options to improve cemetery services

POLICE DEPARTMENT

- Begin state accreditation through the Michigan Association of Chiefs of Police
- Continue efforts to reduce workers compensation and lawsuits claims
- Implement new state accreditation and training software
- Upgrade the in-car video camera system
- Migrate to cloud based digital evidence storage and management
- Upgrade evidence management and tracking hardware
- Work diligently toward full staffing (41)
- Continue collective efforts to foster an environment that is welcoming, diverse and inclusive
- Continue to seek opportunities to reduce overall operating costs
- Sponsor a candidate to the Mid-Michigan Police Academy
- Renew the contract for police services with Williamstown Township

PUBLIC WORKS AND ENGINEERING

- Complete the replacement of the water main on Sirhal Drive and install the water main extension on Grand River Drive

- Complete the installation of water and sewer utilities and repave the road in the Sleepy Hollow Neighborhood SAD
- Complete the SAW program identified repairs to the Grand River sanitary sewer interceptor
- Continue to actively participate and represent the Township with the ongoing and proposed improvements at the East Lansing Wastewater Treatment Plant
- Continue construction design and finalize MDOT TAP funding for the MSU to Lake Lansing Trail in anticipation of a 2019 construction of Phase 1
- Complete the Ingham County Trail Millage funded pedestrian bridge and pathway repairs
- Complete the 2018 Local Road program
- Seek 2019 funding to implement the RR quiet zone recommendations
- Complete the facility repairs and projects funded in the 2018 budget
- Conduct a comprehensive organizational review of the Public Works Department operations and programs
- Fully participate in the Local Update of the Census Addresses (LUCA) program in preparation of the 2020 Census