

APPENDIX C

Safety Review Checksheets (April 9, 2019)

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Attendees: McDOT (BAR, SLD, EJW). TranSystems (GR, BTW)

Date: 4/9/2019

Weather: Sunny, 55 - 65° F

Location: Haligus
(intersection/segment)

Traffic Level: Freeflow
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			
Adequate visibility around curves? Advisory speed limits signs?	X			
Roadway grades not steep enough to cause safety issues?	X			
Adequate Sight Distances? (Stopping, Passing, Decision)	X			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X			
Barriers & attenuators provided at Bridges & Culverts?			X	
Is the pavement free of areas where ponding or sheet flow of water may occur?	X			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	X			
Are intersections free of abrupt changes in elevation or surface condition?	X			
Are auxiliary lanes provided? Are they consistent with major turning movements?	X			
Intersection angle 75-90 degree?	X			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X	
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X			
Are turning movements free of potential safety issues?	X			
Location and density of driveways appropriate for safe operations?	X			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	X			-LED stop signs at this location. Based on Google Earth signs installed before 08/2012
Are signs in good condition, retroreflective, and readable from adequate distance?	X			
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X			
Is the road free of signing that impairs safe sight distances?	X			
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X			
Are pavement markings clear, recognizable and retroreflective?	X			
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?		X		-Steep foreslope in the SE corner intersection
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?	X			- Riprap in ditches
Are roadside elements within clear zone mounted on breakaway support?	X			
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?			X	
Note facility type (on/off-street, crosswalk, etc.)			X	
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?			X	
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			X	
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X			
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	X			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-Mostly cars and trucks. Saw one pedestrian running on the side of the shoulder
Are traffic operations free of observed capacity issues, queuing overflow?	X			
Are observed traffic free of observed speeding issues? Low headways?	X			
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)	X			
Is the roadway free of potential for glare during sunrise/sunset?		X		
Is roadway lighting provided?		X		
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	X			

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Date: 4/9/2019

Location: Lakewood
(intersection/segment)

Attendees: McDOT (BAR, SLD, EJY). TranSystems (GR, BTW)

Weather: Sunny, 55 - 65° F

Traffic Level: Moderate
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			
Adequate visibility around curves? Advisory speed limits signs?	X			
Roadway grades not steep enough to cause safety issues?	X			
Adequate Sight Distances? (Stopping, Passing, Decision)	X			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X			
Barriers & attenuators provided at Bridges & Culverts?			X	
Is the pavement free of areas where ponding or sheet flow of water may occur?	X			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	X			
Are intersections free of abrupt changes in elevation or surface condition?	X			
Are auxiliary lanes provided? Are they consistent with major turning movements?	X			
Intersection angle 75-90 degree?	X			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X	
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X			
Are turning movements free of potential safety issues?	X			
Location and density of driveways appropriate for safe operations?	X			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	X			-LED stop signs at this location. Based on Google Earth signs installed before 08/2012
Are signs in good condition, retroreflective, and readable from adequate distance?	X			- Pavement markings are worn
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X			-While in the field, a vehicle ran the stop sign heading eastbound on Ackman Rd
Is the road free of signing that impairs safe sight distances?	X			
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X			
Are pavement markings clear, recognizable and retroreflective?		X		
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	X			-Wood pole guy wires in the clear zone of the SE corner of the intersection
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?		X		-Non-traversable culvert end section in clear zone when approaching the Lakewood intersection from the south
Are roadside elements within clear zone mounted on breakaway support?	X			
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?	X			-Bike lanes provided on north leg of Lakewood Rd -No signage provided for the bike lanes
Note facility type (on/off-street, crosswalk, etc.)				-At a minimum, the bike path on south side of Ackman Rd should be extended to the Lakewood intersection
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?		X		
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			X	
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X			
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	X			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-Mostly cars and trucks.
Are traffic operations free of observed capacity issues, queuing overflow?	X			
Are observed traffic free of observed speeding issues? Low headways?	X			
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)	X			
Is the roadway free of potential for glare during sunrise/sunset?		X		
Is roadway lighting provided?		X		
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	X			

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Attendees: McDOT (BAR, SLD, EJ). TranSystems (GR, BTW)

Date: 4/9/2019

Weather: Sunny, 55 - 65° F

Location: Ronan Dr
(intersection/segment)

Traffic Level: Freeflow
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			
Adequate visibility around curves? Advisory speed limits signs?	X			
Roadway grades not steep enough to cause safety issues?	X			
Adequate Sight Distances? (Stopping, Passing, Decision)	X			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X			
Barriers & attenuators provided at Bridges & Culverts?			X	
Is the pavement free of areas where ponding or sheet flow of water may occur?	X			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	X			
Are intersections free of abrupt changes in elevation or surface condition?	X			
Are auxiliary lanes provided? Are they consistent with major turning movements?	X			
Intersection angle 75-90 degree?	X			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X	
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X			
Are turning movements free of potential safety issues?	X			
Location and density of driveways appropriate for safe operations?	X			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	X			-Add advance intersection warning sign when approaching the intersection from the west
Are signs in good condition, retroreflective, and readable from adequate distance?	X			
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X			-Add two-direction large arrow sign -Pavement markings are missing for crosswalk
Is the road free of signing that impairs safe sight distances?	X			
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X			
Are pavement markings clear, recognizable and retroreflective?	X			
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	X			
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?	X			
Are roadside elements within clear zone mounted on breakaway support?	X			
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?	X			-Bike path crossing across Ronan -ADA domes are worn and out dated
Note facility type (on/off-street, crosswalk, etc.)				
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?		X		
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			X	
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X			
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	X			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-All roadway users observed at this location except for school buses
Are traffic operations free of observed capacity issues, queuing overflow?	X			
Are observed traffic free of observed speeding issues? Low headways?	X			
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)	X			-Only one roadway light provided
Is the roadway free of potential for glare during sunrise/sunset?		X		
Is roadway lighting provided?	X			
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	X			

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Date: 4/9/2019

Location: Albrecht Rd
(intersection/segment)

Attendees: McDOT (BAR, SLD, EJW). TranSystems (GR, BTW)

Weather: Sunny, 55 - 65° F

Traffic Level: Freeflow
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			
Adequate visibility around curves? Advisory speed limits signs?	X			
Roadway grades not steep enough to cause safety issues?	X			
Adequate Sight Distances? (Stopping, Passing, Decision)	X			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X			
Barriers & attenuators provided at Bridges & Culverts?			X	
Is the pavement free of areas where ponding or sheet flow of water may occur?	X			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	X			
Are intersections free of abrupt changes in elevation or surface condition?	X			
Are auxiliary lanes provided? Are they consistent with major turning movements?	X			
Intersection angle 75-90 degree?	X			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X	
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X			
Are turning movements free of potential safety issues?	X			
Location and density of driveways appropriate for safe operations?	X			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	X			-Add advance intersection warning sign when approaching the intersection from the west
Are signs in good condition, retroreflective, and readable from adequate distance?	X			
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X			
Is the road free of signing that impairs safe sight distances?	X			
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X			
Are pavement markings clear, recognizable and retroreflective?	X			
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	X			-Light pole within the clear zone does not have breakaway support.
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?	X			
Are roadside elements within clear zone mounted on breakaway support?		X		
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?	X			-Bike path crossing across Albrecht -No ADA domes at crosswalk
Note facility type (on/off-street, crosswalk, etc.)				
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?		X		
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			X	
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X			
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	X			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-All roadway users observed at this location except for school buses
Are traffic operations free of observed capacity issues, queuing overflow?	X			
Are observed traffic free of observed speeding issues? Low headways?	X			
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)	X			-Only one roadway light provided
Is the roadway free of potential for glare during sunrise/sunset?		X		
Is roadway lighting provided?	X			
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	X			

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Attendees: McDOT (BAR, SLD, EJY). TranSystems (GR, BTW)

Date: 4/9/2019

Weather: Sunny, 55 - 65° F

Location: Redtail
(intersection/segment)

Traffic Level: Congested
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes	
Geometry					
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			-Ponding could occur at the turning radii of intersection because of potholes and loose shoulder aggregate	
Adequate visibility around curves? Advisory speed limits signs?	X				
Roadway grades not steep enough to cause safety issues?	X				
Adequate Sight Distances? (Stopping, Passing, Decision)	X				
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X				
Barriers & attenuators provided at Bridges & Culverts?			X		
Is the pavement free of areas where ponding or sheet flow of water may occur?		X			
Intersections/Driveways/Management					
Are intersections free of sight restrictions which could result in safety problems?	X				
Are intersections free of abrupt changes in elevation or surface condition?	X				
Are auxiliary lanes provided? Are they consistent with major turning movements?	X				
Intersection angle 75-90 degree?	X				
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X		
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X				
Are turning movements free of potential safety issues?	X				
Location and density of driveways appropriate for safe operations?	X				
Signs & Pavement Markings					
Are the signs in place conspicuous? Are they free of visibility obstructions?	X				-Add two-direction large arrow sign
Are signs in good condition, retroreflective, and readable from adequate distance?	X			-Pavement markings are worn	
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X				
Is the road free of signing that impairs safe sight distances?	X				
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X				
Are pavement markings clear, recognizable and retroreflective?		X			
Roadside Features					
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	X				
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?	X				
Are roadside elements within clear zone mounted on breakaway support?	X				
Pedestrians, Bikes, Buses					
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?			X		
Note facility type (on/off-street, crosswalk, etc.)			X		
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?			X		
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			X		
Roadway Pavement					
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			-Potholes and loose shoulder aggregate located at the turning radius of intersection	
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X				
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X				
Is the pavement free of loose aggregate/gravel which may cause safety problems?		X			
Traffic Operations					
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-Absence of AUX turn lane on Ackman created queuing in peak hour traffic -In the peak hour traffic, vehicles had a difficult time turning left from Redtail to eastbound Ackman	
Are traffic operations free of observed capacity issues, queuing overflow?	X				
Are observed traffic free of observed speeding issues? Low headways?	X				
Environmental Conditions					
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)		X		-Ponding of water could potentially happen in a rain event at radius of intersection because of potholes	
Is the roadway free of potential for glare during sunrise/sunset?		X		-Only one roadway light provided	
Is roadway lighting provided?	X				
Consistency					
Is the road section free of inconsistencies that could result in safety problems?	X				

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Attendees: McDOT (BAR, SLD, EJW). TranSystems (GR, BTW)

Date: 4/9/2019

Weather: Sunny, 55 - 65° F

Location: Swanson
(intersection/segment)

Traffic Level: Congested
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			
Adequate visibility around curves? Advisory speed limits signs?	X			
Roadway grades not steep enough to cause safety issues?	X			
Adequate Sight Distances? (Stopping, Passing, Decision)	X			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X			
Barriers & attenuators provided at Bridges & Culverts?			X	
Is the pavement free of areas where ponding or sheet flow of water may occur?	X			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	X			-There is a residential driveway directly across from the intersection which could be problematic if the intersection is redesigned
Are intersections free of abrupt changes in elevation or surface condition?	X			
Are auxiliary lanes provided? Are they consistent with major turning movements?	X			
Intersection angle 75-90 degree?	X			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X	
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X			
Are turning movements free of potential safety issues?	X			
Location and density of driveways appropriate for safe operations?	X			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	X			-Pavement markings are worn
Are signs in good condition, retroreflective, and readable from adequate distance?	X			
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X			
Is the road free of signing that impairs safe sight distances?	X			
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X			
Are pavement markings clear, recognizable and retroreflective?		X		
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?		X		-Steep foreslopes around the intersections
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?	X			-Utility pole in clear zone at the intersection
Are roadside elements within clear zone mounted on breakaway support?	X			
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?			X	
Note facility type (on/off-street, crosswalk, etc.)			X	
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?			X	
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			X	
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X			
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	X			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-Absence of AUX turn lane on Ackman created queuing in peak hour traffic
Are traffic operations free of observed capacity issues, queuing overflow?	X			
Are observed traffic free of observed speeding issues? Low headways?	X			-In the peak hour traffic, vehicles had a difficult time turning left from Swanson to westbound Ackman
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)	X			-Only one roadway light provided
Is the roadway free of potential for glare during sunrise/sunset?		X		
Is roadway lighting provided?	X			
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	X			

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Attendees: McDOT (BAR, SLD, EJV). TranSystems (GR, BTW)

Date: 4/9/2019

Weather: Sunny, 55 - 65° F

Location: Huntley
(intersection/segment)

Traffic Level: Congested
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes	
Geometry					
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			-Ponding could occur at the turning radii of intersection because of potholes and loose shoulder aggregate	
Adequate visibility around curves? Advisory speed limits signs?	X				
Roadway grades not steep enough to cause safety issues?	X				
Adequate Sight Distances? (Stopping, Passing, Decision)	X				
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X				
Barriers & attenuators provided at Bridges & Culverts?			X		
Is the pavement free of areas where ponding or sheet flow of water may occur?		X			
Intersections/Driveways/Management					
Are intersections free of sight restrictions which could result in safety problems?	X				
Are intersections free of abrupt changes in elevation or surface condition?	X				
Are auxiliary lanes provided? Are they consistent with major turning movements?	X				
Intersection angle 75-90 degree?	X				
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X		
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X				
Are turning movements free of potential safety issues?	X				
Location and density of driveways appropriate for safe operations?	X				
Signs & Pavement Markings					
Are the signs in place conspicuous? Are they free of visibility obstructions?		X			-Huntley street name sign obstructed by vegetation -Add advance intersection warning sign when approaching the intersection from the east -Pavement markings are worn
Are signs in good condition, retroreflective, and readable from adequate distance?	X				
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X				
Is the road free of signing that impairs safe sight distances?	X				
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X				
Are pavement markings clear, recognizable and retroreflective?		X			
Roadside Features					
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	X			-Electrical guide wires in the clear zone of the intersection -Non-traversable culvert end sections in clear zone near intersection	
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?		X			
Are roadside elements within clear zone mounted on breakaway support?	X				
Pedestrians, Bikes, Buses					
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?			X		
Note facility type (on/off-street, crosswalk, etc.)			X		
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?			X		
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			X		
Roadway Pavement					
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			-Potholes and loose shoulder aggregate located at the turning radius of intersection	
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X				
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X				
Is the pavement free of loose aggregate/gravel which may cause safety problems?		X			
Traffic Operations					
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-Mostly cars and trucks.	
Are traffic operations free of observed capacity issues, queuing overflow?	X				
Are observed traffic free of observed speeding issues? Low headways?	X				
Environmental Conditions					
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)		X		-Ponding of water could potential happen in a rain event at radius of intersection because of potholes -Only one roadway light provided	
Is the roadway free of potential for glare during sunrise/sunset?		X			
Is roadway lighting provided?	X				
Consistency					
Is the road section free of inconsistencies that could result in safety problems?	X				

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Attendees: McDOT (BAR, SLD, EJY). TranSystems (GR, BTW)

Date: 4/9/2019

Weather: Sunny, 55 - 65° F

Location: Amberwood Dr
(intersection/segment)

Traffic Level: Moderate
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			
Adequate visibility around curves? Advisory speed limits signs?	X			
Roadway grades not steep enough to cause safety issues?	X			
Adequate Sight Distances? (Stopping, Passing, Decision)	X			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X			
Barriers & attenuators provided at Bridges & Culverts?			X	
Is the pavement free of areas where ponding or sheet flow of water may occur?	X			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	X			
Are intersections free of abrupt changes in elevation or surface condition?	X			
Are auxiliary lanes provided? Are they consistent with major turning movements?	X			
Intersection angle 75-90 degree?	X			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X	
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X			
Are turning movements free of potential safety issues?	X			
Location and density of driveways appropriate for safe operations?	X			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	X			-Add advance intersection warning sign when approaching the intersection from the east
Are signs in good condition, retroreflective, and readable from adequate distance?	X			
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X			
Is the road free of signing that impairs safe sight distances?	X			
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X			
Are pavement markings clear, recognizable and retroreflective?	X			
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	X			-Light pole within the clear zone does not have breakaway support.
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?	X			
Are roadside elements within clear zone mounted on breakaway support?		X		
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?	X			-Bike path crossing across Amberwood. Crossing is behind the stop bar
Note facility type (on/off-street, crosswalk, etc.)				-No ADA domes at cross walk
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?		X		-A PR cross walk is wanted across Ackman Rd in order to connect the Amberwood bike path to the Woods Creek bike path.
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			X	
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X			
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	X			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-All roadway users observed at this location.
Are traffic operations free of observed capacity issues, queuing overflow?	X			
Are observed traffic free of observed speeding issues? Low headways?	X			
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)	X			-Only one roadway light provided
Is the roadway free of potential for glare during sunrise/sunset?		X		
Is roadway lighting provided?	X			
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	X			

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Attendees: McDOT (BAR, SLD, EJY). TranSystems (GR, BTW)

Date: 4/9/2019

Weather: Sunny, 55 - 65° F

Location: Manchester
(intersection/segment)

Traffic Level: Moderate
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			
Adequate visibility around curves? Advisory speed limits signs?	X			
Roadway grades not steep enough to cause safety issues?	X			
Adequate Sight Distances? (Stopping, Passing, Decision)	X			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X			
Barriers & attenuators provided at Bridges & Culverts?			X	
Is the pavement free of areas where ponding or sheet flow of water may occur?	X			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	X			
Are intersections free of abrupt changes in elevation or surface condition?	X			
Are auxiliary lanes provided? Are they consistent with major turning movements?	X			
Intersection angle 75-90 degree?	X			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X	
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X			
Are turning movements free of potential safety issues?	X			
Location and density of driveways appropriate for safe operations?	X			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	X			-Add advance intersection warning sign when approaching the intersection from the east -Add two-direction large arrow sign
Are signs in good condition, retroreflective, and readable from adequate distance?	X			
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X			
Is the road free of signing that impairs safe sight distances?	X			
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X			
Are pavement markings clear, recognizable and retroreflective?	X			
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	X			-Light pole within the clear zone does not have breakaway support.
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?	X			
Are roadside elements within clear zone mounted on breakaway support?		X		
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?	X			-Cross walk across Manchester Dr -No ADA domes at cross walk
Note facility type (on/off-street, crosswalk, etc.)				
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?		X		
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			X	
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X			
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	X			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-All roadway users observed at this location.
Are traffic operations free of observed capacity issues, queuing overflow?	X			
Are observed traffic free of observed speeding issues? Low headways?	X			
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)	X			-Only one roadway light provided
Is the roadway free of potential for glare during sunrise/sunset?		X		
Is roadway lighting provided?	X			
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	X			

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Attendees: McDOT (BAR, SLD, EJ). TranSystems (GR, BTW)

Date: 4/9/2019

Weather: Sunny, 55 - 65° F

Location: Golf Course
(intersection/segment)

Traffic Level: Congested
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			-Turning radii at intersection are not adequate. Vehicles are driving over the sidewalk and aggregate shoulder. -Ponding occurs at the turning radii of intersection because of potholes and loose shoulder aggregate
Adequate visibility around curves? Advisory speed limits signs?	X			
Roadway grades not steep enough to cause safety issues?	X			
Adequate Sight Distances? (Stopping, Passing, Decision)	X			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?		X		
Barriers & attenuators provided at Bridges & Culverts?			X	
Is the pavement free of areas where ponding or sheet flow of water may occur?		X		
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?		X		-No retroreflective backplates at intersection
Are intersections free of abrupt changes in elevation or surface condition?	X			
Are auxiliary lanes provided? Are they consistent with major turning movements?	X			
Intersection angle 75-90 degree?	X			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?		X		
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X			
Are turning movements free of potential safety issues?	X			
Location and density of driveways appropriate for safe operations?	X			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	X			-Pavement markings are very worn
Are signs in good condition, retroreflective, and readable from adequate distance?	X			
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X			
Is the road free of signing that impairs safe sight distances?	X			
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X			
Are pavement markings clear, recognizable and retroreflective?		X		
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	X			-Non-traversable end sections in the clear zone of the intersection -Utility poles potentially within clear zone
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?		X		
Are roadside elements within clear zone mounted on breakaway support?	X			
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?	X			-Cross walks at all legs -Push button going east on south leg is broken -Share lanes which transform into bike lanes downstream on both legs of Golf Course -ADA domes are worn out and in need of replacing
Note facility type (on/off-street, crosswalk, etc.)	X			
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?	X			
Are bus stops safely located with adequate clearance and visibility from the traffic lane?	X			
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			-Potholes and loose shoulder aggregate located at the turning radius of intersection
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X			
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X			
Is the pavement free of loose aggregate/gravel which may cause safety problems?		X		
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-All roadway users observed at this location.
Are traffic operations free of observed capacity issues, queuing overflow?		X		
Are observed traffic free of observed speeding issues? Low headways?		X		
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)		X		-Ponding of water occurs at the intersection during rainfall because of poor pavement conditions -Excessive glare observed during sunrise and sunset hours, limiting the visibility of the traffic signal
Is the roadway free of potential for glare during sunrise/sunset?		X		
Is roadway lighting provided?	X			
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	X			

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Attendees: McDOT (BAR, SLD, EJ). TranSystems (GR, BTW)

Date: 4/9/2019

Weather: Sunny, 55 - 65° F

Location: WestPort Ridge
(intersection/segment)

Traffic Level: Congested
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			
Adequate visibility around curves? Advisory speed limits signs?	X			
Roadway grades not steep enough to cause safety issues?	X			
Adequate Sight Distances? (Stopping, Passing, Decision)	X			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X			
Barriers & attenuators provided at Bridges & Culverts?			X	
Is the pavement free of areas where ponding or sheet flow of water may occur?	X			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?		X		-Vegetation restricting sight distance of vehicles at the stop bars of the WestPoint Ridge legs
Are intersections free of abrupt changes in elevation or surface condition?	X			
Are auxiliary lanes provided? Are they consistent with major turning movements?	X			
Intersection angle 75-90 degree?	X			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X	
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X			
Are turning movements free of potential safety issues?	X			
Location and density of driveways appropriate for safe operations?	X			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	X			- Add advance intersection warning signs when approaching the intersection from the east and west
Are signs in good condition, retroreflective, and readable from adequate distance?	X			
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X			
Is the road free of signing that impairs safe sight distances?	X			
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X			
Are pavement markings clear, recognizable and retroreflective?	X			
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	X			-Two light poles within the clear zone do not have breakaway supports.
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?	X			
Are roadside elements within clear zone mounted on breakaway support?		X		
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?	X			-Cross walks at north, south, and east legs. -RRFB provided for the crosswalk across Ackman Rd
Note facility type (on/off-street, crosswalk, etc.)	X			
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?	X			
Are bus stops safely located with adequate clearance and visibility from the traffic lane?	X			
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X			
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	X			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-All roadway users observed at this location.
Are traffic operations free of observed capacity issues, queuing overflow?	X			
Are observed traffic free of observed speeding issues? Low headways?	X			
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)	X			-Excessive glare observed during sunrise and sunset hours, limiting the visibility of the signs and flashing beacons
Is the roadway free of potential for glare during sunrise/sunset?		X		
Is roadway lighting provided?	X			
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	X			

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Attendees: McDOT (BAR, SLD, EJW). TranSystems (GR, BTW)

Date: 4/9/2019

Weather: Sunny, 55 - 65° F

Location: Crimson Dr
(intersection/segment)

Traffic Level: Freeflow
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			
Adequate visibility around curves? Advisory speed limits signs?	X			
Roadway grades not steep enough to cause safety issues?	X			
Adequate Sight Distances? (Stopping, Passing, Decision)	X			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X			
Barriers & attenuators provided at Bridges & Culverts?			X	
Is the pavement free of areas where ponding or sheet flow of water may occur?	X			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	X			
Are intersections free of abrupt changes in elevation or surface condition?	X			
Are auxiliary lanes provided? Are they consistent with major turning movements?	X			
Intersection angle 75-90 degree?	X			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X	
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X			
Are turning movements free of potential safety issues?	X			
Location and density of driveways appropriate for safe operations?	X			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	X			-Add two-direction large arrow sign
Are signs in good condition, retroreflective, and readable from adequate distance?	X			
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X			
Is the road free of signing that impairs safe sight distances?	X			
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X			
Are pavement markings clear, recognizable and retroreflective?	X			
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	X			-Light pole within the clear zone does not have breakaway support.
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?	X			
Are roadside elements within clear zone mounted on breakaway support?		X		
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?	X			-ADA domes are not on both sides of the cross walk -Missing white lines for sidewalk crossing across Crimson
Note facility type (on/off-street, crosswalk, etc.)				
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?		X		
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			X	
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X			
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	X			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-All roadway users observed at this location
Are traffic operations free of observed capacity issues, queuing overflow?	X			
Are observed traffic free of observed speeding issues? Low headways?	X			
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)	X			-Only one roadway light provided
Is the roadway free of potential for glare during sunrise/sunset?		X		
Is roadway lighting provided?	X			
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	X			

Road Safety Field Review

Project: Ackman Rd (FAU 3873), Haligus Rd to Randall Rd

Attendees: McDOT (BAR, SLD, EJ). TranSystems (GR, BTW)

Date: 4/9/2019

Weather: Sunny, 55 - 65° F

Location: Skyridge Dr
(intersection/segment)

Traffic Level: Freeflow
(Congested, freeflow, significant turning movement, etc.)

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	X			
Adequate visibility around curves? Advisory speed limits signs?	X			
Roadway grades not steep enough to cause safety issues?	X			
Adequate Sight Distances? (Stopping, Passing, Decision)	X			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	X			
Barriers & attenuators provided at Bridges & Culverts?			X	
Is the pavement free of areas where ponding or sheet flow of water may occur?	X			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	X			
Are intersections free of abrupt changes in elevation or surface condition?	X			
Are auxiliary lanes provided? Are they consistent with major turning movements?	X			
Intersection angle 75-90 degree?	X			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance interval)?			X	
Does approaching traffic have adequate visibility of stopped traffic? Are advance warning signs installed when intersection traffic control cannot be seen a safe distance ahead of the intersection?	X			
Are turning movements free of potential safety issues?	X			
Location and density of driveways appropriate for safe operations?	X			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	X			-Add median mounted one way traffic sign
Are signs in good condition, retroreflective, and readable from adequate distance?	X			-Pavement markings are worn
Is the road free of locations with improper or superfluous signing which may cause safety problems?	X			
Is the road free of signing that impairs safe sight distances?	X			
Is the road free of locations with improper or unsuitable delineation (post delineators, chevrons, and object markers)?	X			
Are pavement markings clear, recognizable and retroreflective?		X		
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	X			
Are the clear zones free of nonconforming and/or dangerous obstructions that are not properly attenuated?	X			
Are roadside elements within clear zone mounted on breakaway support?	X			
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing opportunities?		X		-There is no receiving sidewalk for the northbound crossing. Not a good location to cross Ackman Rd. Recommend connecting sidewalk to the west.
Note facility type (on/off-street, crosswalk, etc.)				
Are travel paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards?		X		
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			X	
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting, potholes)	X			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	X			
Is the pavement free of locations that appear to have inadequate skid resistance which could result in safety problems, particularly on curves, steep grades and approaches to intersections?	X			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	X			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-All roadway users observed at this location
Are traffic operations free of observed capacity issues, queuing overflow?	X			
Are observed traffic free of observed speeding issues? Low headways?	X			
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, Snow, fog)	X			-Only one roadway light provided
Is the roadway free of potential for glare during sunrise/sunset?		X		
Is roadway lighting provided?	X			
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	X			