APPENDIX C

Safety Review Checksheets (April 9, 2019)

Project:	Ackman Rd	(FAU 3873), Haligus Rd to Randall Rd
Date:	4/9/2019	
Location:	Haligus	

(intersection/segment)

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

Project:	Ackman Rd (FAU 3873), Haligus Rd to Randall Rd
Date:	4/9/2019
Location:	Lakewood
	(intersection/segment)

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

Weather: Sunny, 55 - 65° F
Traffic Level: Moderate

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Non-traversable culvert end section in clear zone when re roadside elements within clear zone mounted on breakaway support? Pedestrians, Bikes, Buses In pedestrians and bike facilities present at this location? Are there enough crossing portunities? Into facility type (on) off-street, crosswalk, etc.) Into tacility type (on) off-street, crosswalk, etc.) Into tacility type (on) off-street, crosswalk, etc.) Into the part paths and crossing points for pedestrians and cyclists properly signed and marked? Do they meet ADA standards? Into the pavement ADA standards? Into the pavement free of defects which could result in safety problems? (Grooves, rutting, otholes) Into the pavement free of defects which could result in safety problems? (Grooves, rutting, otholes) Into the pavement free of locations that appear to have inadequate skid resistance which could esult in safety problems, particularly on curves, steep grades and approaches to teresections? It the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safety problems? It is the pavement free of loose aggregate/gravel which may cause safet	Are the clear zones free of nonconforming and/or dangerous obstructions that are not		v		of the intersection
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croadway lighting provided? X Consistency	Snow, fog)	^			
Consistency	Is the roadway free of potential for glare during sunrise/sunset?		Х		
	Is roadway lighting provided?		Х		
s the road section free of inconsistencies that could result in safety problems?	· · · · · · · · · · · · · · · · · · ·				
	Is the road section free of inconsistencies that could result in safety problems?	Х			

Project:	Ackman Rd (FAU 3873), Haligus Rd to Randall Rd
Date:	4/9/2019
ocation:	Ronan Dr
	(intersection/segment)

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

Weather: Sunny, 55 - 65° F
Traffic Level: Freeflow

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	Χ			
Adequate visibility around curves? Advisory speed limits signs?	Χ			
Roadway grades not steep enough to cause safety issues?	Χ			
Adequate Sight Distances? (Stopping, Passing, Decision)	Χ			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	Χ			
Barriers & attenuators provided at Bridges & Culverts?			Χ	
Is the pavement free of areas where ponding or sheet flow of water may occur?	Χ			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	Х			
Are intersections free of abrupt changes in elevation or surface condition?	Х			
Are auxiliary lanes provided? Are they consistent with major turning movements?	Х			
Intersection angle 75-90 degree?	Χ			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance				
interval)?			Х	
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	Χ			
intersection?	^			
Are turning movements free of potential safety issues?	Х			
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?	Х			-Add advance intersection warning sign when
Are signs in good condition, retroreflective, and readable from adequate distance?	X			approaching the intersection from the west
	^			1 ' '
Is the road free of locations with improper or superfluous signing which may cause safety problems?	Χ			-Add two-direction large arrow sign -Pavement markings are missing for crosswalk
Is the road free of signing that impairs safe sight distances?	Χ			
Is the road free of locations with improper or unsuitable delineation (post delineators,	V			
chevrons, and object markers)?	Х			
Are pavement markings clear, recognizable and retroreflective?	Χ			
Roadside Features				
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	Х			
Are the clear zones free of nonconforming and/or dangerous obstructions that are not	.,			
properly attenuated?	Х			
Are roadside elements within clear zone mounted on breakaway support?	Χ			
Pedestrians, Bikes, Buses				
Are pedestrian and bike facilities present at this location? Are there enough crossing	.,			-Bike path crossing across Ronan
opportunities?	Х			-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?		Χ		
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			Х	
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting,				
potholes)	Χ			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	Χ			
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	Χ			
intersections?				
Is the pavement free of loose aggregate/gravel which may cause safety problems?	Χ			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-All roadway users observed at this location except for
Are traffic operations free of observed capacity issues, queuing overflow?	Х			school buses
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,				-Only one roadway light provided
Snow, fog)	Χ			only one roudway light provided
Is the roadway free of potential for glare during sunrise/sunset?		Х		
Is roadway lighting provided?	Х	^		·
Consistency	^			
·	V			
Is the road section free of inconsistencies that could result in safety problems?	Χ			

Project:	Ackman Rd (FAU 3873), Haligus Rd to Randall Rd
Date:	4/9/2019
Location:	Albrecht Rd
	(intersection/segment)

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

Weather: Sunny, 55 - 65° F
Traffic Level: Freeflow

Addinguished without process of the process of the control of the		Yes	No	N/A	Notes
Adequate shallify around curves? Advisory speech limits signs? Adequate sign contraces? (Stopping, Passing, Decision) Adequate sign contraces provided at Bridges & Calverts? X X Advisor of a stream of a stre	Geometry				
Roadway grades not steep enough to cause safety issue? Adequate sight obtainers? (Stopping, Passing, Decision) Adequate sight obtainers? (Stopping, Passing, Decision) Adequate sight obtainers? (As a widths? Shoulders/Curbs? Cross-slopes? A subsequent free of areas where ponding or sheet flow of water may occur? Are intersections provided at Indigo for the stress of the providence of the stress of the providence of the stress of	Is roadway alignment satisfactory (Vertical or Horizontal curves)?	Х			
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s the road section free of inconsistencies that could result in safety problems?	Is the road section free of inconsistencies that could result in safety problems?	Χ			

Project:	Ackman Rd	(FAU 3873), Haligus Rd to Randall Rd
Date:	4/9/2019	
ocation:	Redtail	

(intersection/segment)

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

Weather: Sunny, 55 - 65° F
Traffic Level: Congested

(Congested, freeflow, significant turning movement, etc.)

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

Project:	Ackman Rd (FAU 3873), Haligus Rd to Randall Rd	
Date:	4/9/2019	
Location:	Swanson	
	(intersection/segment)	

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

Weather: Sunny, 55 - 65° F
Traffic Level: Congested

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	Χ			
Adequate visibility around curves? Advisory speed limits signs?	Χ			
Roadway grades not steep enough to cause safety issues?	Χ			
Adequate Sight Distances? (Stopping, Passing, Decision)	Χ			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	Χ			
Barriers & attenuators provided at Bridges & Culverts?			Χ	
Is the pavement free of areas where ponding or sheet flow of water may occur?	Χ			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	Χ			-There is a residential driveway directly across from the
Are intersections free of abrupt changes in elevation or surface condition?	Χ			intersection which could be problematic if the
Are auxiliary lanes provided? Are they consistent with major turning movements?	Χ			intersection is redesigned
Intersection angle 75-90 degree?	Χ			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance			Х	
interval)?				
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	Χ			
intersection?				
Are turning movements free of potential safety issues?	Χ			
Location and density of driveways appropriate for safe operations?	Х			
Signs & Pavement Markings				
Are the signs in place conspicuous? Are they free of visibility obstructions?	Х			-Pavement markings are worn
Are signs in good condition, retroreflective, and readable from adequate distance?	Χ			
Is the road free of locations with improper or superfluous signing which may cause safety	Х			
problems?				
Is the road free of signing that impairs safe sight distances?	Х			
Is the road free of locations with improper or unsuitable delineation (post delineators,	Χ			
chevrons, and object markers)?				
Are pavement markings clear, recognizable and retroreflective?		Х		
Roadside Features		.,		
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?		Х		-Steep foreslopes around the intersections
Are the clear zones free of nonconforming and/or dangerous obstructions that are not	Χ			-Utility pole in clear zone at the intersection
properly attenuated?				
Are roadside elements within clear zone mounted on breakaway support?	Х			
Pedestrians, Bikes, Buses Are pedestrian and bike facilities present at this location? Are there enough crossing				
opportunities?			Х	
Note facility type (on/off-street, crosswalk, etc.)			Х	+
Are travel paths and crossing points for pedestrians and cyclists properly signed and			^	+
marked? Do they meet ADA standards?			Х	
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			Х	
Roadway Pavement			^	
Is the pavement free of defects which could result in safety problems? (Grooves, rutting,				
potholes)	Χ			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	Х			
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	Х			
intersections?				
Is the pavement free of loose aggregate/gravel which may cause safety problems?	Х			
Traffic Operations				
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)				-Absence of AUX turn lane on Ackman created queuing
Are traffic operations free of observed capacity issues, queuing overflow?	Х			in peak hour traffic
Are observed traffic free of observed speeding issues? Low headways?	Х			-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,				-Only one roadway light provided
Snow, fog)	Χ			Siny one roudway light provided
Is the roadway free of potential for glare during sunrise/sunset?		Х		
Is roadway lighting provided?	Х	^		1
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	Х			
is the roug section free of meons sections that could result in safety problems:	^	l	l	<u> </u>

Project:	Ackman Rd (FAU 3873), Haligus Rd to Randall Rd	
Date:	4/9/2019	
Location:	Huntley	
	(intersection/segment)	

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

Weather: Sunny, 55 - 65° F
Traffic Level: Congested

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

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

Date: 4/9/2019

Location: Amberwood Dr

(intersection/segment)

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

Weather: Sunny, 55 - 65° F
Traffic Level: Moderate

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

Project:	Ackman Rd (FAU 3873), Haligus Rd to Randall Rd
Date:	4/9/2019
ocation:	Manchester
	(intersection/segment)

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

Weather: Sunny, 55 - 65° F
Traffic Level: Moderate

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

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

Date: 4/9/2019

Location: Golf Course

(intersection/segment)

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

Weather: Sunny, 55 - 65° F
Traffic Level: Congested

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

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

Date: 4/9/2019

Location: WestPort Ridge

(intersection/segment)

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

Weather: Sunny, 55 - 65° F
Traffic Level: Congested

	Yes	No	N/A	Notes
Geometry				
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	Х			
Adequate visibility around curves? Advisory speed limits signs?	Χ			
Roadway grades not steep enough to cause safety issues?	Χ			
Adequate Sight Distances? (Stopping, Passing, Decision)	Χ			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	Χ			
Barriers & attenuators provided at Bridges & Culverts?			Χ	
Is the pavement free of areas where ponding or sheet flow of water may occur?	Χ			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?		Х		-Vegetation restricting sight distance of vehicles at the
Are intersections free of abrupt changes in elevation or surface condition?	Χ			stop bars of the WestPoint Ridge legs
Are auxiliary lanes provided? Are they consistent with major turning movements?	Χ			
Intersection angle 75-90 degree?	Χ			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance			.,	
interval)?			Х	
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	Х			
intersection?				
Are turning movements free of potential safety issues?	Х			
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?	Х			- Add advance intersection warning signs when
Are signs in good condition, retroreflective, and readable from adequate distance?	X			approaching the intersection from the east and west
Is the road free of locations with improper or superfluous signing which may cause safety				approaching the intersection from the east and west
problems?	Χ			
Is the road free of signing that impairs safe sight distances?	Х			
Is the road free of locations with improper or unsuitable delineation (post delineators,	^			
chevrons, and object markers)?	Χ			
	Х			
Are pavement markings clear, recognizable and retroreflective? Roadside Features	^			
	Х			Two light poles within the clear zone do not have
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	۸			-Two light poles within the clear zone do not have
Are the clear zones free of nonconforming and/or dangerous obstructions that are not	Χ			breakaway supports.
properly attenuated? Are roadside elements within clear zone mounted on breakaway support?		Х		
,		^		
Pedestrians, Bikes, Buses				Creas wells at south south and seat less
Are pedestrian and bike facilities present at this location? Are there enough crossing	Χ			-Cross walks at north, south, and east legs.
opportunities?	V			-RRFB provided for the crosswalk across Ackman Rd
Note facility type (on/off-street, crosswalk, etc.)	Х			
Are travel paths and crossing points for pedestrians and cyclists properly signed and	Χ			
marked? Do they meet ADA standards?				
Are bus stops safely located with adequate clearance and visibility from the traffic lane?	Х			
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting,	Χ			
potholes)	.,			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	Х			
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	Х			
intersections?	.,			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	Х			
Traffic Operations				All I I I I I I I I I I I I I I I I I I
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?	Х			
Environmental Conditions				
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain,	Х			-Excessive glare observed during sunrise and sunset
Snow, fog)				hours, limiting the visibility of the signs and flashing
Is the roadway free of potential for glare during sunrise/sunset?		Χ		beacons
Is roadway lighting provided?	Х			
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	Χ			

Project:	Ackman Rd (FAU 3873), Haligus Rd to Randall Rd
Date:	4/9/2019
Location:	Crimson Dr
	(intersection/segment)

Attendees: McDOT (BAR, SLD, EJV). 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)? Χ Adequate visibility around curves? Advisory speed limits signs? Х Roadway grades not steep enough to cause safety issues? Χ Adequate Sight Distances? (Stopping, Passing, Decision) Χ Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes? Χ Barriers & attenuators provided at Bridges & Culverts? Χ Is the pavement free of areas where ponding or sheet flow of water may occur? Х Intersections/Driveways/Management Χ Are intersections free of sight restrictions which could result in safety problems? Are intersections free of abrupt changes in elevation or surface condition? Χ Are auxiliary lanes provided? Are they consistent with major turning movements? Χ Intersection angle 75-90 degree? Χ Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance Χ 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 Χ intersection? Are turning movements free of potential safety issues? Χ Х Location and density of driveways appropriate for safe operations? **Signs & Pavement Markings** Χ Are the signs in place conspicuous? Are they free of visibility obstructions? -Add two-direction large arrow sign Χ Are signs in good condition, retroreflective, and readable from adequate distance? Is the road free of locations with improper or superfluous signing which may cause safety Х problems? Is the road free of signing that impairs safe sight distances? Χ Is the road free of locations with improper or unsuitable delineation (post delineators, Х chevrons, and object markers)? Х Are pavement markings clear, recognizable and retroreflective? **Roadside Features** Are clear zones free of hazardous, non-traversable side slopes with no safety barriers? Χ -Light pole within the clear zone does not have Are the clear zones free of nonconforming and/or dangerous obstructions that are not breakaway support. Х properly attenuated? Are roadside elements within clear zone mounted on breakaway support? Χ Pedestrians, Bikes, Buses Are pedestrian and bike facilities present at this location? Are there enough crossing -ADA domes are not on both sides of the cross walk Х opportunities? -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 Х marked? Do they meet ADA standards? Are bus stops safely located with adequate clearance and visibility from the traffic lane? Х **Roadway Pavement** Is the pavement free of defects which could result in safety problems? (Grooves, rutting, Χ Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions? Х 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 Х intersections? Χ Is the pavement free of loose aggregate/gravel which may cause safety problems? **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? Χ Are observed traffic free of observed speeding issues? Low headways? Χ **Environmental Conditions** Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain, -Only one roadway light provided Х Snow, fog) Is the roadway free of potential for glare during sunrise/sunset? Χ Is roadway lighting provided? Χ Consistency Is the road section free of inconsistencies that could result in safety problems? Χ

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

Date: 4/9/2019

Location: Skyridge Dr

(intersection/segment)

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

Weather: Sunny, 55 - 65° F
Traffic Level: Freeflow

	Yes	No	N/A	Notes
Geometry			-	
Is roadway alignment satisfactory (Vertical or Horizontal curves)?	Χ			
Adequate visibility around curves? Advisory speed limits signs?	Χ			
Roadway grades not steep enough to cause safety issues?	Χ			
Adequate Sight Distances? (Stopping, Passing, Decision)	Χ			
Adequate lane configuration & widths? Shoulders/Curbs? Cross-slopes?	Χ			
Barriers & attenuators provided at Bridges & Culverts?			Х	
Is the pavement free of areas where ponding or sheet flow of water may occur?	Χ			
Intersections/Driveways/Management				
Are intersections free of sight restrictions which could result in safety problems?	Х			
Are intersections free of abrupt changes in elevation or surface condition?	Χ			
Are auxiliary lanes provided? Are they consistent with major turning movements?	Χ			
Intersection angle 75-90 degree?	Χ			
Do traffic signals meet standards (size, positioning, retroreflective backplate, clearance			.,	
interval)?			Х	
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	Χ			
intersection?				
Are turning movements free of potential safety issues?	Х			
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?	Х			-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				-i avement markings are worm
problems?	Χ			
Is the road free of signing that impairs safe sight distances?	Х			
Is the road free of locations with improper or unsuitable delineation (post delineators,				
chevrons, and object markers)?	Χ			
Are pavement markings clear, recognizable and retroreflective?		Х		
Roadside Features		^		
	Х			
Are clear zones free of hazardous, non-traversable side slopes with no safety barriers?	^			
Are the clear zones free of nonconforming and/or dangerous obstructions that are not	Χ			
properly attenuated? Are roadside elements within clear zone mounted on breakaway support?	Х			
,	^			
Pedestrians, Bikes, Buses				There is no used in a side well for the position of
Are pedestrian and bike facilities present at this location? Are there enough crossing		Х		-There is no receiving sidewalk for the northbound
opportunities?				crossing. Not a good location to cross Ackman Rd.
Note facility type (on/off-street, crosswalk, etc.)				Recommend connecting sidewalk to the west.
Are travel paths and crossing points for pedestrians and cyclists properly signed and		Х		
marked? Do they meet ADA standards?				
Are bus stops safely located with adequate clearance and visibility from the traffic lane?			Х	
Roadway Pavement				
Is the pavement free of defects which could result in safety problems? (Grooves, rutting,	Χ			
potholes)	V			
Are changes in surface type (e.g. pavement ends) free of drop-offs / poor transitions?	Х			
Is the pavement free of locations that appear to have inadequate skid resistance which could	V			
result in safety problems, particularly on curves, steep grades and approaches to	Χ			
intersections?	٧/			
Is the pavement free of loose aggregate/gravel which may cause safety problems?	Х			
Traffic Operations				All was divisive as a basin and at this larger
Likely/observed roadway users: (Cars, Trucks, School Buses, Pedestrians, Bikes)	٧			-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?	Х			
Environmental Conditions				Only and made way light are stilled
Is the roadway free of potential Issues during poor weather or roadway conditions? (Rain,	Χ			-Only one roadway light provided
Snow, fog)		.,		
Is the roadway free of potential for glare during sunrise/sunset?		Х		
Is roadway lighting provided?	X			
Consistency				
Is the road section free of inconsistencies that could result in safety problems?	Χ			