



# *Walking Audit Virtual Appendix*

## *City of Lauderdale:*

### *NW 19th Street*



*February 2015*

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## VIRTUAL APPENDIX A: WALKING AUDIT NOTES & TEAM FINDINGS

Team findings are bulleted, below. Positive findings are marked (+).

### **Team 1A**

- Narrow sidewalk
- Congested sidewalk from vegetation
- One main signalized intersection, others have stops signs
- Crosswalk to sidewalk access and signals needed at NW 20<sup>th</sup>/NW 49<sup>th</sup> Ave.
- Crosswalks should be added to help people cross north-south over NW 19<sup>th</sup> St.
- Cars speeding, no speed bumps (or traffic calming)
- Many apartment complexes have driveways off of NW 19<sup>th</sup> St.
- No speed limit signs
- Sidewalks far from the street, but they are too narrow
- Few street lamps, dark at night and some out of service
- Recommend considering a roundabout at NW 47<sup>th</sup> Ave. and NW 19<sup>th</sup> St.
- Crosswalks are not marked clearly
- People crossed mid-block, without crosswalks (there were no crosswalks)
- Some overgrown plants
- + Community garden
- Trash, litter along roadway
- One bench, nowhere for people to rest
- No amenities along walk or at bus stops
- No lighting at NW 47<sup>th</sup> Ave, a busy intersection
- Need reflectors on the road at intersections, especially
- Poor drainage along roadway, especially at NW 46<sup>th</sup> Ave. and NW 19<sup>th</sup> St.
- No lights at intersections
- Private property fences in bad shape
- Missing street sign at Hidden Forest Condominium
- Open pipe drains – caution
- Overgrown grass and people park over and too close to the sidewalk
- Cracked and aged streets and sidewalks
- Need more shopping areas
- Need clear pedestrian crossings and lights
- There is a tube hanging out into the sidewalk
- Bus stops (service) and nature spots (placemaking) needed
- Sidewalks too close to traffic over the bridge
- The medians need replacing at some places
- No pedestrian crosswalk at Summit Park Apartments
- No crosswalk at NW 19<sup>th</sup> St. and NW 43<sup>rd</sup> Ave.
- No crosswalk at Hidden Forest Condominium
- No bike paths, no bikability
- Exposed iron bars that are dangerous
- Old and useless payphones



- Water pools in cement holes (recesses)
- Lakes should be cleaned
- + Saw ducks and turtles
- Potholes beside the (narrow) sidewalk
- Need more street lights
- Recommendation to widen the sidewalk
- Recommendation to add bike lanes
- Recommendation to correct guard rails that are on the wrong side of the sidewalk
- Recommendation to clear away plants that are invading the sidewalk
- Recommendation to add more shade trees
- Recommendation to add amenities like benches, in shade and near water features
- Recommendation to add north-south crosswalks over NW 19<sup>th</sup> St.

### **Team 1B**

- Barely room to walk
- Where there were crosswalks, it was not bad to cross
- + Small environment makes drivers aware of pedestrians
- Sidewalk narrow at start of school
- No sidewalk to crosswalk in front of school
- No ADA curb ramps
- “Crosswalk to nothing”
- + Cars were aware of us
- + Lighting
- + Painted crosswalk in front of school
- Overgrowth from property completely over the sidewalk on NW 49<sup>th</sup> Ave.
- Nice crosswalk at NW 19<sup>th</sup> St. and NW 49<sup>th</sup> Ave.
- No ADA ramp or tactile strip
- + Trees make the area feel nice
- Vehicles blocking the crosswalk
- Narrow sidewalks but in pretty good shape
- Decent lighting
- Decent shape
- No bike path on roadway
- No centerline markings in roadway
- Swells in pretty good shape at points
- Good drainage at points
- Felt a little unsafe crossing at the four-way stop, due to lots of traffic
- + Good ADA ramp at four-way stop and tactile strip
- Loud traffic
- No bus shelter, benches or refuse bins at bus stops
- Limited visibility across the bridge
- Narrow sides along bridge



- Very close to moving traffic
- A lot of trash and leaves in the area
- Water puddles
- Trip hazards
- Nowhere for bikes
- Bushes pushing through fence
- No mid-block crossings
- No roadway markings
- ADA ramp is non-compliant
- Intersection is very close to pedestrian areas
- No pointed crosswalk
- No proper lighting for pedestrians
- Hedges in sidewalk
- No fire hydrant reflector
- Missing crosswalk paint
- Trip hazard at curb
- Deteriorating sidewalk – lots of cracks on south side
- Landscaping overhanging sidewalk
- Trips hazards in the grass along sidewalk
- No painted crosswalk
- Vehicles encroaching in sidewalk
- No proper roadway markings
- Seems like guard rail can be installed at bridge between sidewalk and roadway
- Tree overhanging sidewalk
- Not as much shade on the south side of the road
- Stump in swell
- Vehicle speed is 25mph, but people are going faster
- No crosswalk painted
- Improper ADA curb ramps

### **Team 1C**

- Sidewalks not wide enough
- Crosswalks not clearly marked
- + Good driving behavior
- No biking infrastructure no pedestrian crosswalks
- Lots of trash
- Lots of flooding
- Vegetation should be maintained
- There should be consistent shade along the corridor
- + Shade in places
- + Good plant choice, in some places
- Bigger driveways sidewalks not the same materials



- Pipe sticking out of the ground
- Bigger sidewalks needed
- More trees needed
- Bridge's sidewalks need more room
- Fences
- Overgrowth
- Uneven surfaces
- Curbs, wheelchair friendly needed
- Maintain the plants
- Fire hydrants too close to the sidewalk
- No continuation of sidewalk
- Exposed pipe
- Grass planting
- Utility pole within sidewalk
- Bigger driveway for gated community

### **Team 2A**

- Sidewalk too small
- Crack down the sidewalk could break someone's ankle
- Bushes take up space in the sidewalk
- No stop sign before 19<sup>th</sup> St.
- Crosswalk can't be seen
- No crosswalk at points
- Best crosswalk and crossing experience at NW 19<sup>th</sup> St. and NW 49<sup>th</sup> Ave.
- A pedestrian takes up most of the sidewalk
- Too many cracks in the walkway
- Grass grows over into the sidewalk
- Boarding up of windows
- + Good vegetation
- Possible flooding
- No fence separating at the river
- Plants with thorns poking through the fence
- Graffiti makes unsafe
- Trash
- No phone in payphone box
- Sidewalk could be wider
- Lighting should be fixed over the sidewalk
- More shade is needed
- More trash cans needed
- More shade needed
- Trimming of plants is needed

### **Team 2B**

- Some areas with no crosswalk
- Excessive puddles
- Continuous but narrow sidewalks
- Wider sidewalks needed
- More shade needed
- + Not too far across to cross streets
- No traffic signals
- Overhanging landscaping / vegetation
- Crosswalks needed
- Landscaping needs to be maintained
- Sidewalk is not adequate
- Missing stripes in roadway and crosswalks
- Missing rubber at beginning point (ADA detectable warnings)
- Not adequate shade
- Curb interferes with pedestrians
- Bad vegetation throughout

### **Team 2C**

- More room needed on both sides of the crossing over the canal
- Wider sidewalks needed
- Century Apartments parking area and street have no lines; stripes needed
- More striping needed throughout to show safe crossings
- Pedestrians crossed all sections mid-block
- Areas for crossing should be added between 47<sup>th</sup> Ave and 44<sup>th</sup> Ave., along 19<sup>th</sup> St.
- Litter and trash throughout swales
- More replacement landscaping needed
- Streetlights needed
- Painted lines in roadway and easements are needed
- Stop sign is needed at NW 29<sup>th</sup> and 19<sup>th</sup> St. Speed limit signage needed
- Unnecessary trees
- Need bike lane
- Very narrow sidewalk
- No curb for bikes
- Smaller lanes are needed
- Paint structure needed
- Painted strips needed
- Thicker gates needed
- Broken sidewalk
- Resurfacing needed
- More crosswalks needed
- Landscaping needed

## VIRTUAL APPENDIX B: WALKING AUDIT CONSOLIDATED HIGHLIGHTS

### **Team 1A**

- No connecting sidewalks in front of school
- More shade needed
- Not enough shade at bus stops
- Not enough lighting at bus stops
- Trash near river
- Wider sidewalks needed
- Better maintenance of vegetation needed
- Crosswalks needed
- Bike lanes needed
- Better drainage needed
- Fence repairs needed
- Potential dangers and hazards near river

### **Team 1B**

- Landscaping additions and maintenance needed
- Crosswalks needed
- Wider sidewalk needed
- Bike lanes needed
- Tripping hazards in grass adjacent to sidewalk
- Dangerous pedestrian crossing over bridge

### **Team 1C**

- Sidewalk too narrow
- Narrow bridge
- More shade trees needed
- Overgrowth needing to be maintained, removed from right of way
- Crosswalks needed
- Hazards along the ground

### **Team 2A**

- No striped crossing at school
- Lack of lighting
- Flooding
- Cars driving off-road
- Litter
- Overgrowth
- Limited visibility and narrow sidewalk especially over bridge
- + Good setbacks from roadway
- Sidewalk at same level as cars



### **Team 2B**

- Overgrown vegetation
- No lighting
- Need more shade trees
- + 47<sup>th</sup> Avenue and NW 19<sup>th</sup> Street is the best intersection on the corridor
- Need amenities at bus stops
- Possibility for roundabout at some intersections
- Rapid flash beacons needed around school at crosswalks

### **Team 2C**


- No stop sign at NW 19<sup>th</sup> Street and NW 49<sup>th</sup> Avenue, one is needed
- + Good crosswalk striping in crosswalks by the school
- Sidewalk connection from crosswalk in front of school is needed
- Sharp curve and no gating before the bridge
- High visibility crosswalks needed

### **Virtual Audit**


- No sense of place; no special qualities, which is a critical thing for communities
- Drainage is poor
- Striping for crosswalks could be improved
- + The community could have a theme, inspired by the community garden
- Need to consider what the needs of the community are and how the pedestrian environment can support


## VIRTUAL APPENDIX C: WALKING AUDIT FORM

### Walking Audit Form – Page One



**BROWARD**  
COMPLETE STREETS  
Safer, Healthier Streets for ALL Users





broward **MPO**  
metropolitan planning organization

**City of Lauderhill: Walking Audit Form**


**Please circle your Route:** Route 1 or Route 2
**Please circle your Team:** A B C or Virtual

- In the following six boxes, please provide a best-guess rating (1-6) for each of the statements in the boxes.
- Then, average your ratings of the statements to get an Average Final Rating (1-6) for each of the questions (Q.1 – Q.6).
- On the last page, please add up all your (6) Final Ratings to get your Corridor Rating (6-36) and provide additional notes.


Question to rate and things to consider before answering:	Did anything stand out?	What does your team recommend?
<p><b>Q.1: Did you have room to walk?</b></p> <p><input type="checkbox"/> Continuous Sidewalks</p> <p><input type="checkbox"/> Contiguous, not badly cracked or patched sidewalks</p> <p><input type="checkbox"/> Sidewalks that weren't blocked by poles, signs, shrubbery, dumpsters, vegetation, hazards, etc</p> <p><input type="checkbox"/> Safe sidewalk width and/or path width for all users</p> <p><input type="checkbox"/> Traffic not in conflict with pedestrians and walkability</p> <p style="text-align: center;"><b>Final Rating: 1 2 3 4 5 6</b></p>		
<p><b>Q.2: Was it easy to cross streets?</b></p> <p><input type="checkbox"/> Distance to cross wasn't too far</p> <p><input type="checkbox"/> Traffic signals provided enough time to walk across</p> <p><input type="checkbox"/> Cars did not block the view of traffic</p> <p><input type="checkbox"/> Trees, plants and landscape did not block pedestrian view</p> <p><input type="checkbox"/> Curb ramps or sidewalk ramps did not need repair</p> <p><input type="checkbox"/> Crosswalks were clearly marked</p> <p style="text-align: center;"><b>Final Rating: 1 2 3 4 5 6</b></p>		


Rating Scale					
1	2	3	4	5	6
Awful	Many Problems	Some Problems	Good	Very Good	Excellent

### Walking Audit Form – Page Two



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**City of Lauderhill: Walking Audit Form**




Question to rate and things to consider before answering:	Did anything stand out?	What does your team recommend?
<p><b>Q.3: Did drivers behave well?</b></p> <p><input type="checkbox"/> Drivers made eye positive contact with pedestrians</p> <p><input type="checkbox"/> Drivers yielded to pedestrians in crosswalks and in street</p> <p><input type="checkbox"/> Drivers did not speed up to get around pedestrians</p> <p><input type="checkbox"/> Drivers did not travel at a frightening speed</p> <p><input type="checkbox"/> Drivers observed traffic laws and safe vehicle operation</p> <p style="text-align: center;"><b>Final Rating: 1 2 3 4 5 6</b></p>		
<p><b>Q.4: Were these elements available for pedestrians?</b></p> <p><input type="checkbox"/> Driver-to-pedestrian visibility at intersections</p> <p><input type="checkbox"/> Time and space to look left, right, left before crossing</p> <p><input type="checkbox"/> Clearly recognizable pedestrian crossing signalization</p> <p><input type="checkbox"/> Transit with clearly marked bus stops and/or amenities</p> <p><input type="checkbox"/> Bicycle infrastructure, amenities and designated path</p> <p style="text-align: center;"><b>Final Rating: 1 2 3 4 5 6</b></p>		

Rating Scale					
1	2	3	4	5	6
Awful	Many Problems	Some Problems	Good	Very Good	Excellent

### Walking Audit Form – Page Three

			<b>City of Lauderdale: Walking Audit Form</b>																	
Question to rate and things to consider before answering:	Did anything stand out?	What does your team recommend?																		
<p><b>Q.5: Did all pedestrians behave safely?</b></p> <p><input type="checkbox"/> People crossed at crosswalks and with traffic signals</p> <p><input type="checkbox"/> Pedestrians did not cross mid-block, without a crosswalk</p> <p><input type="checkbox"/> Pedestrians were aware of motorists and stayed clear of the motorized vehicle travel lanes</p> <p><input type="checkbox"/> People walked on sidewalks or roadway shoulders</p> <p style="text-align: center;"><b>Final Rating: 1 2 3 4 5 6</b></p>																				
<p><b>Q.6: Was your walk pleasant and comfortable?</b></p> <p><input type="checkbox"/> Was there ample grass, flowers, or vegetation?</p> <p><input type="checkbox"/> Was there plenty of shade?</p> <p><input type="checkbox"/> Did you encounter dangerous animals?</p> <p><input type="checkbox"/> Where threatening or intimidating people present?</p> <p><input type="checkbox"/> Was the landscape free from debris and trash?</p> <p><input type="checkbox"/> Was the air clean and pollutant-free?</p> <p><input type="checkbox"/> Where there public resting areas, benches and/or seating available?</p> <p><input type="checkbox"/> Did you observe complementary land uses?</p> <p><input type="checkbox"/> Did transit stops have bus shelters or ample/adequate facilities and amenities?</p> <p><input type="checkbox"/> Was there good distance between cars and people?</p> <p style="text-align: center;"><b>Final Rating: 1 2 3 4 5 6</b></p>																				
<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <th colspan="6">Rating Scale</th> </tr> <tr> <td style="width: 16.6%;">1</td> <td style="width: 16.6%;">2</td> <td style="width: 16.6%;">3</td> <td style="width: 16.6%;">4</td> <td style="width: 16.6%;">5</td> <td style="width: 16.6%;">6</td> </tr> <tr> <td style="font-size: small;">Awful</td> <td style="font-size: small;">Many Problems</td> <td style="font-size: small;">Some Problems</td> <td style="font-size: small;">Good</td> <td style="font-size: small;">Very Good</td> <td style="font-size: small;">Excellent</td> </tr> </table>			Rating Scale						1	2	3	4	5	6	Awful	Many Problems	Some Problems	Good	Very Good	Excellent
Rating Scale																				
1	2	3	4	5	6															
Awful	Many Problems	Some Problems	Good	Very Good	Excellent															

### Walking Audit Form – Page Four

			<b>City of Lauderdale: Walking Audit Form</b>
<b>Additional Notes:</b>			
<b>Your Team's Overall Rating for the Route:</b>			
<p>Please add up your six ratings (from Q.1 through Q.6) and write the number below, to determine the general level walkability:</p> <p><input type="checkbox"/> 30 to 36: This is already a fantastic place for walking; <i>a highly walkable corridor.</i></p> <p><input type="checkbox"/> 22 to 29: This area is pretty good but has a few concerns; <i>a walkable corridor with areas that can be improved.</i></p> <p><input type="checkbox"/> 15 to 21: This area needs work and attention; <i>not a very walkable corridor but has some walkable spaces.</i></p> <p><input type="checkbox"/> 8 to 14: This area needs a lot of work and there are many concerns; <i>not a walkable corridor.</i></p> <p><input type="checkbox"/> 1 to 7: This area needs substantial attention and work to resolve the existing hazards and concerns; <i>far from walkable.</i></p>			

## Summary of Walking Audit Form Responses

Individual Ratings (Q.1 – Q.6) based on a 1 – 6 scale:

1 = awful, 2 = many problems, 3 = some problems, 4 = good, 5 = very good, 6 = excellent

### Team 1A

Q.1: 2

Q.2: 2

Q.3: 3

Q.4: 3

Q.5: 3

Q.6: 2

- Overall Corridor Rating Average:  $15/6 = 2.5$
- Overall Corridor Score: 15 = (15 to 21)
- Overall Description: *This area needs work and attention. It is not a very walkable corridor but has some walkable spaces.*

### Team 1B

Q.1: 2

Q.2: 3

Q.3: 4

Q.4: 2

Q.5: 4

Q.6: 3

- Overall Corridor Rating Average:  $18/6 = 3$
- Overall Corridor Score: 18 = (15 to 21)
- Overall Description: *This area needs work and attention. It is not a very walkable corridor but has some walkable spaces.*

### Team 1C

Q.1: 4

Q.2: 4

Q.3: 5

Q.4: 4

Q.5: 4

Q.6: 4

- Overall Corridor Rating Average:  $25/6 = 4.2$
- Overall Corridor Score: 25 = (22 to 29)
- Overall Description: *This area is pretty good but has a few concerns. This is a walkable corridor with areas that can be improved.*



### **Team 2A**

- Q.1: 4
- Q.2: 5
- Q.3: 6
- Q.4: 5
- Q.5: 4
- Q.6: 3

- Overall Corridor Rating Average:  $27/6 = 4.5$
- Overall Corridor Score:  $27 = (22 \text{ to } 29)$
- Overall Description: *This area is pretty good but has a few concerns. This is a walkable corridor with areas that can be improved.*

### **Team 2B**

- Q.1: 1
- Q.2: 2
- Q.3: 3
- Q.4: 4
- Q.5: 5
- Q.6: 2

- Overall Corridor Rating Average:  $17/6 = 2.8$
- Overall Corridor Score:  $17 = (15 \text{ to } 21)$
- Overall Description: *This area needs work and attention. It is not a very walkable corridor but has some walkable spaces.*

### **Team 2C**

- Q.1: 3
- Q.2: 2
- Q.3: 2
- Q.4: 1
- Q.5: 1
- Q.6: 3

- Overall Corridor Rating Average:  $12/6 = 2$
- Overall Corridor Score:  $12 = (8 \text{ to } 14)$
- Overall Description: *This area needs a lot of work and there are many concerns. This is not a walkable corridor.*

### **Final Corridor Score: (Averaged from all Teams' Final Scores)**

$$(15+18+25+27+17+12)/6 = (114/6) = 19 = (15 \text{ to } 21)$$

*This corridor needs work and attention. It is not a very walkable corridor, overall, but there are moments where walkability levels are acceptable.*



## VIRTUAL APPENDIX D: POST-EVENT EVALUATION

After the event, attendees were asked to fill out an evaluation survey.

### Walking Audit Post-Event Survey for Attendees

**Thank you for taking the time to participate in the Lauderdale Walking Audit.**  
Please take a minute to provide some feedback on the event, and circle the responses, below:

1. I feel that I experienced the area as a typical pedestrian might.  
Strongly Agree                      Agree                      Neutral                      Disagree                      Strongly Disagree

2. With the tools provided, I was able to evaluate the safety and quality of the pedestrian experience in the area.  
Strongly Agree                      Agree                      Neutral                      Disagree                      Strongly Disagree

3. I could identify opportunities for suggesting recommendations that might foster a more walkable environment.  
Strongly Agree                      Agree                      Neutral                      Disagree                      Strongly Disagree

4. I realized some barriers to a walkable / bikeable / transit-friendly environment.  
Strongly Agree                      Agree                      Neutral                      Disagree                      Strongly Disagree

5. I support Complete Streets.  
Strongly Agree                      Agree                      Neutral                      Disagree                      Strongly Disagree

6. I have the following additional comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

All survey-responses are provided on the following page. For questions 1 through 4, the average responses are roughly halfway between *Agree* and *Strongly Agree*.

For question 5, every applicant responded that they *Strongly Agree*, and therefore are strongly in support of Complete Streets.



### Walking Audit Post-Event Survey Results

	I feel that I experienced the area as a typical pedestrian might.	With the tools provided, I was able to evaluate the safety and the quality of the pedestrian experience in the area.	I could identify opportunities for suggesting recommendations that might foster a more walkable environment.	I realize some barriers to a walkable/bikeable/transit-friendly environment.	I support Complete Streets.	Comments:
1	5	5	4	4	5	Student participation was priceless.
2	5	4	4	5	5	Great lesson for the very kids that travel these roads.
3	5	5	5	5	5	Stumps in swales could be hazardous. Poor reflectors on ends of medians.
4	4	4	4	5	5	
5	5	5	5	5	5	
6	4	4	4	5	5	
7	4	4	5	5	5	
8	4	4	4	4	5	Good job by all.
9	5	5	5	5	5	
10	5	5	5	5	5	Great job! Good treats!
11	5	5	5	5	5	
12	5	4	5	4	5	
13	5	4	4	5	5	No additional comments.
14	4	5	5	2	5	They should really remodel and improve that street.
15	5	4	4	4	5	
16	5	4	5	4	5	
17	5	5	4	5	5	
18	4	4	4	4	5	
19	5	5	5	5	5	Please improve the street.
<b>Averages (below):</b>						
	4.68	4.47	4.53	4.53	5.00	

## VIRTUAL APPENDIX E: WALKING AUDIT EVENT PHOTOS

All photos of the corridor and event are available at:

<http://www.browardmpo.org/projects-studies/complete-streets/broward-complete-streets-initiative-2/about>