“Charlotte will be the premier city in the nation for integrating land use and transportation choices.”
- Charlotte Focus Area Plan

- Creating “Great Network”
- Great Network and the Fire Department
- Creating “Great Streets”
"Nobody remembers who finished second but the guy who finished second."
- Bobby Unser
Congested Intersection Locations
(Both AM & PM)
Charlotte, NC

Intersection Level of Service
AM & PM Peak Hour
- Moderate (0.35–0.94)
- High (>0.94)
Charlotte’s Fire Station/Connectivity Study

- 8 fire stations
- Areas all generally built-out
  - Land generally developed
  - Street network generally complete
- Distance from Center City generally correlates negatively with connectivity
Fire Station Comparison

Fire Station 2

Fire Station 31
Households per Fire Station

Greater connectivity

Fire Station

Less connectivity

- Station 2
- Station 15
- Station 14
- Station 24
- Station 22
- Station 19
- Station 9
- Station 31
- Station 31 w/ Shelley

Greater connectivity

Station 2: 26,930
Station 15: 26,453
Station 14: 20,793
Station 24: 15,345
Station 22: 14,932
Station 19: 13,604
Station 9: 7,306
Station 31: 5,779
Station 31 w/ Shelley: 6,497

Less connectivity
Annualized Per-Household Life Cycle Costs
(based on 2-apparatus station)

Greater connectivity

$159
$206
$279
$287
$315
$586
$740
$659

Less connectivity

Station 2
Station 15
Station 14
Station 24
Station 22
Station 19
Station 9
Station 31
Station 31 w/ Shelley
More streets like this... (Queens Road West)
Fewer streets like this... (South Boulevard)
More streets like this...
Fewer streets like this...
We can’t keep widening our roads, so we have to broaden our thinking.
1. Context-based streets – reflect a variety of urban contexts
2. “Complete” streets – safety and functionality for all modes – expanded choices
3. “Complete” street network – variety of ways to create and maintain capacity
## USDG: Implementation/Experience-to-Date

<table>
<thead>
<tr>
<th>Completed</th>
<th>Anticipated /Underway</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Thoroughfares rebuilt/extended</td>
</tr>
<tr>
<td>19</td>
<td>Streetscapes and road-conversions</td>
</tr>
<tr>
<td>11</td>
<td>Intersections</td>
</tr>
<tr>
<td>37</td>
<td>Sidewalks</td>
</tr>
<tr>
<td>9</td>
<td>Area Plans</td>
</tr>
</tbody>
</table>

**Completed Projects:**
- 9 Thoroughfares rebuilt/extended
- 19 Streetscapes and road-conversions
- 11 Intersections
- 37 Sidewalks
- 9 Area Plans

**Anticipated /Underway Projects:**
- 17
- 8
- 66
- 6

**Images:**
- Rozzelle’s Ferry Road
- Clanton Road
USDG Projects

City projects built with bike lanes:
- Rozzelles Ferry Rd.
- Central Avenue
- Charlottetowne Ave.
- Cindy Ln.
- Dewitt Ln.
- East Blvd.
- Hickory Grove Rd.
- Old Pineville Road
- Prosperity Church Rd.
- Stonewall Ave.
- W. Morehead St.
- Archdale Dr.
- Arrowood Rd.
- Clanton Rd.
- Morris Field Dr.

Great Streets are Complete Streets!
Trying new things...
As a City, we still have much work to do...
New Partners for Smart Growth
February 3, 2010