

# Foshan Transportation



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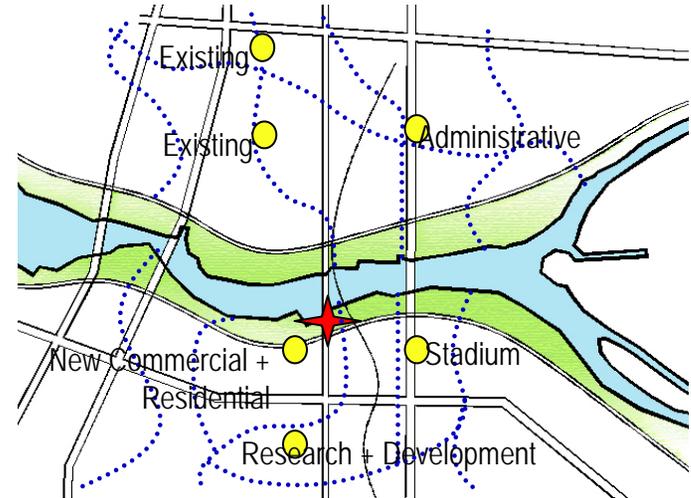
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# Purpose of Intervention

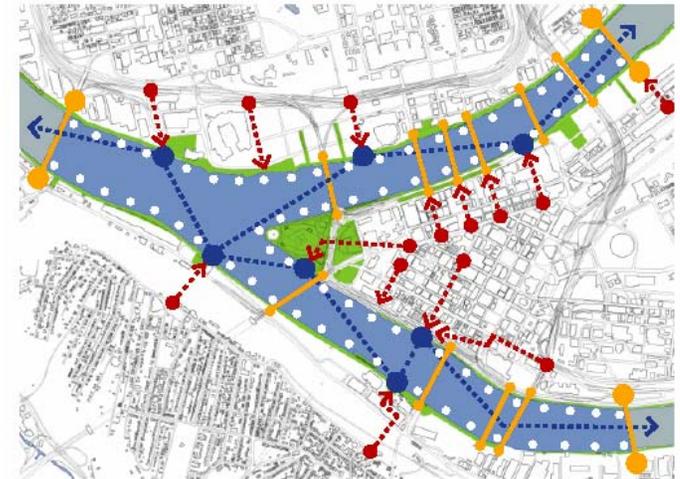
- Create seamless connections between north and south
- Plan multi-modal use
  - Accommodate increase in car usage
  - Alleviate modal conflict
  - Encourage non-vehicular transportation
  - Create ownership and design guidelines
- Integrate Foshan in its regional context
- Balance short-term and long-term development goals

# Framing the Issues

- **Integrating land uses**
  - In undeveloped land, do you invest in transit first?
  - How do you zone around transit stops?



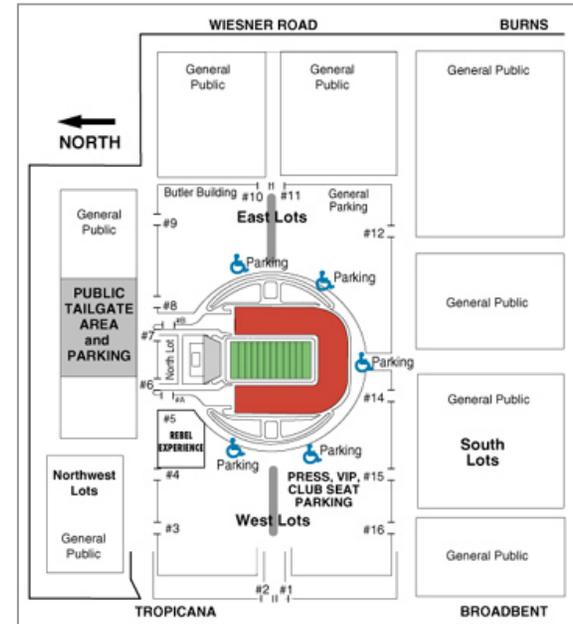
- **North-south connections**
  - Currently, plans for one pedestrian bridge and one vehicular? Is this enough to knit the community together?



Embanking on a River Park System.

# Framing the Issues

- **Stadium access**
  - High capacity during stadium peak hours. How do you plan for this? What adjacent uses can leverage station investments?
  - Parking ratios in the West are 5x greater than Chinese stadiums. Is this inevitable growth or can it be mitigated?
- **Pedestrian accessible waterfront**
  - Must balance notions of 'livable city' with rapid industrialization.
  - How to seed a pedestrian friendly city through new development?
  - How to create equity in access to open space?



# Transportation Systems

<u>Target area</u>	<u>Issue</u>	<u>Output</u>
<b>Public Transit</b>	<ul style="list-style-type: none"><li>• Creating optimal system for city center</li></ul>	<ul style="list-style-type: none"><li>• Identify and compare transit options</li></ul>
<b>Mode Balance</b>	<ul style="list-style-type: none"><li>• Preventing mode conflict</li></ul>	<ul style="list-style-type: none"><li>• Intermodal integration through design</li></ul>
<b>Regional Integration</b>	<ul style="list-style-type: none"><li>• Ensuring regional access</li></ul>	<ul style="list-style-type: none"><li>• Ensure that Foshan's new system connects to regional network</li></ul>

# Policies

<u>Target area</u>	<u>Issue</u>	<u>Output</u>
<b>Land Use &amp; Zoning</b>	<ul style="list-style-type: none"><li>• Supportive of sustainable transport</li></ul>	<ul style="list-style-type: none"><li>• Integration examples and sample policies</li></ul>
<b>Air Pollution</b>	<ul style="list-style-type: none"><li>• Restricting motorized traffic to improve air quality</li></ul>	<ul style="list-style-type: none"><li>• Provide alternative ways to reduce mobile source air pollution</li><li>• Public awareness campaign</li></ul>
<b>Traffic Safety</b>	<ul style="list-style-type: none"><li>• Decrease high rates of accidents</li></ul>	<ul style="list-style-type: none"><li>• Public awareness campaigns</li><li>• Law enforcement</li></ul>

# Site Specific Interventions

<u>Target area</u>	<u>Issue</u>	<u>Output</u>
<b>Residential</b>	<ul style="list-style-type: none"><li>• Access: work &amp; leisure</li></ul>	<ul style="list-style-type: none"><li>• Design blocks, streets, and intersections 1) to make transit easily accessible, 2) for an appropriate street hierarchy, &amp; 3) for a pedestrian friendly environment</li><li>• Incorporate village scenarios</li><li>• Explore Transit-oriented development</li></ul>
<b>Business / industry</b>	<ul style="list-style-type: none"><li>• Moving people &amp; goods</li></ul>	<ul style="list-style-type: none"><li>• Transportation planning based on development scenarios: bedroom community or office workers?</li><li>• Identify street hierarchy</li><li>• Create pedestrian friendly environment</li><li>• Connections between industries w/ each other and labor</li></ul>
<b>Stadium</b>	<ul style="list-style-type: none"><li>• Creating high-but-flexible capacity</li></ul>	<ul style="list-style-type: none"><li>• Design multi-modal transit stop at stadium</li><li>• Identify land uses near stadium that leverage station and stadium investment</li></ul>
<b>Open space / urban design</b>	<ul style="list-style-type: none"><li>• North/South access</li><li>• Connections to recreation</li></ul>	<ul style="list-style-type: none"><li>• Define use/design of linear parks for commute &amp; leisure</li><li>• Model access patterns for public space</li><li>• Identify new / improved river crossings</li></ul>