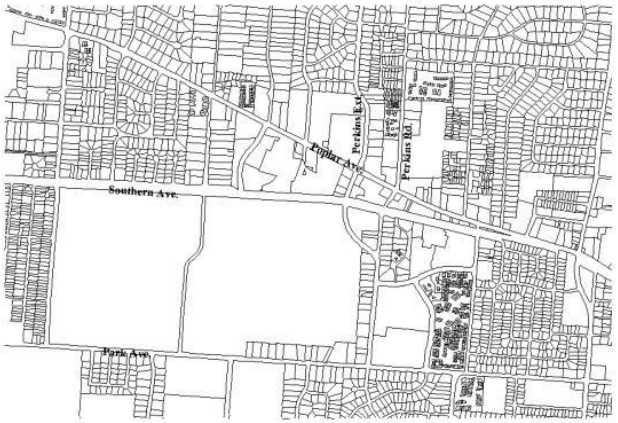
Site Design for Perkins Station

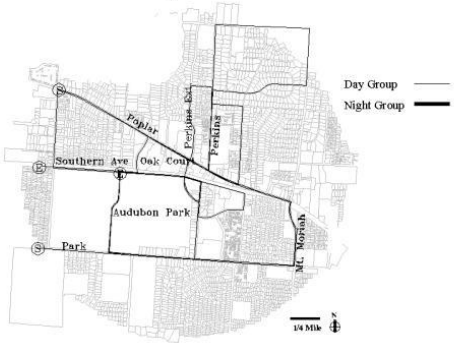
Sections

- **Visual Survey Analysis**
  - Problems
  - Elements
- **Visual Plan**
- **Site Design Planning**
  - Pattern Language Practicum
  - Transit Oriented Development

Base map of Study Area



Survey Routes



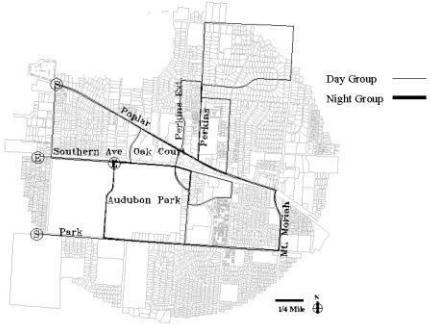
Kevin Lynch's Method

- Five Elements
  - Paths
  - Edge
  - District
  - Node
  - Landmarks
- Imageability

Visual Survey Analysis

Problem of Imageability Within
Perkins Station

Survey Routes



Visual Problems

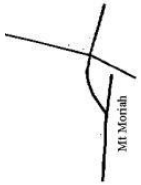
- **Broken Paths**
- **Ambiguous Branch**
- **Point of Confusion**
- **Traffic Congestion**
- **Steep Railroad Grade**

Broken Path

A path is broken when two sides of the junction do not meet at one point. Cherry Road breaks in three places.

Cad Symbol:

Ambiguous Branch

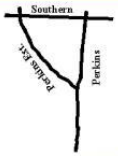


A major arterial is an ambiguous branch when it splits into two different, unclear directions. In this figure Mt. Moriah shows an ambiguous branch.

Cad Symbol:

Point of Confusion

A point of confusion is any point that creates chaos or uncertainty for pedestrians or drivers. The split of Perkins Road and Perkins Extended is a major point of confusion.



Cad Symbol: ?

Traffic Congestion

Traffic congestion occures when an excess of automobiles converges on one major artery. Poplar Avenue, especially in the area near the proposed station, si very congested.

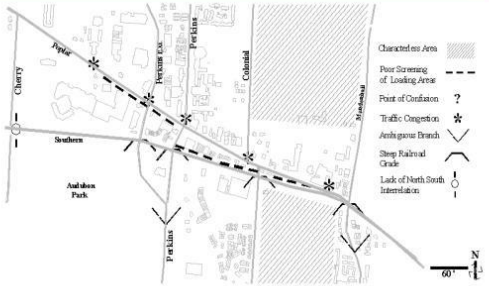
Cad Symbol: *

Steep Railroad Grade

A dangerous slope as the sreet approaches and then crosses the railroad is a steep railroad grade. But this also offers an advantage for the pedestrians.

Cad Symbol:

Map of Visual Problems



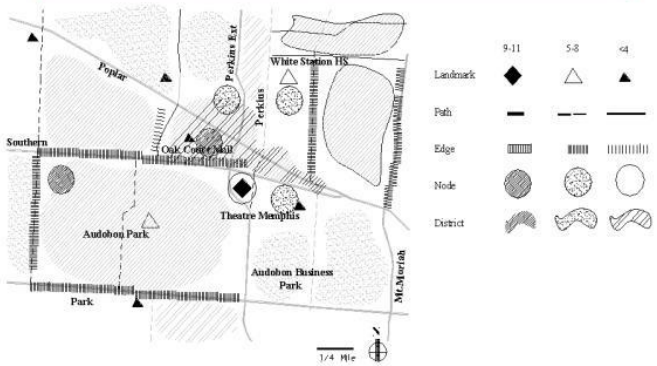
Elements of Imageability

Lynch's components as identified in the target area

Elements and Characteristics

- Path: directional quality, continuity
- Edge: boundaries between two phases
- Node: thematic continuity
- District: thematic continuity
- Landmark: singularity, point of reference

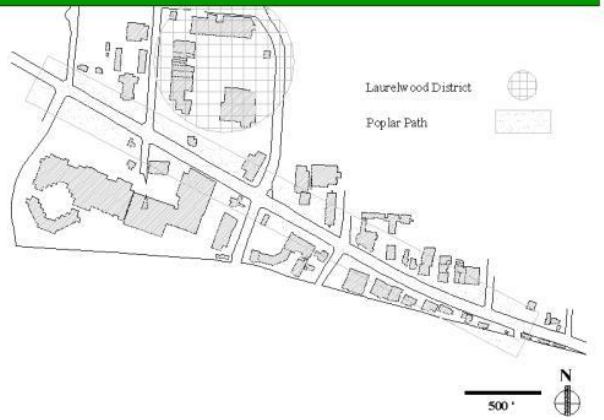
As Seen in the Field….



Visual Plan

Suggestions to improve Imageability

Relationship Between Path and District



Land Uses

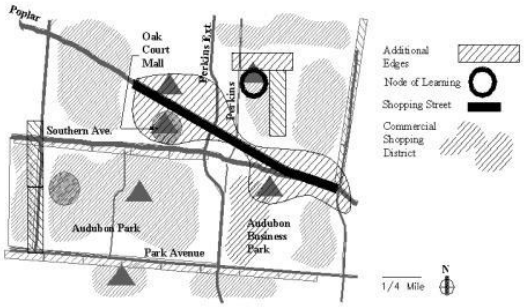
District: Laurelwood Shopping Center

- The district focused on was the Laurelwood Shopping Center located at the intersection of Poplar Avenue and Perkins Extended. Laurelwood is one of the larger shopping districts and includes a variety of stores.

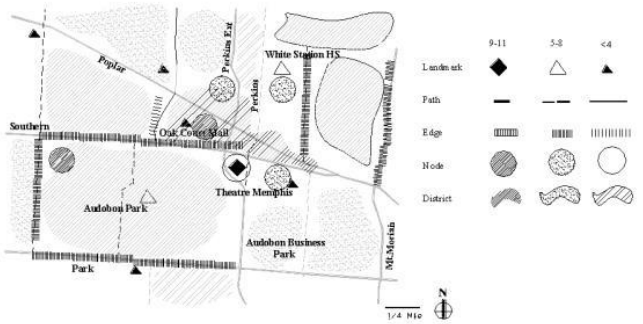
Suggestions to Increase Imageability

- Increase relationships between elements
- Increase distinctions between elements
- Create more nodes
- Strengthen edges

Visual Plan Map



Visual Survey Map



Site Design Planning

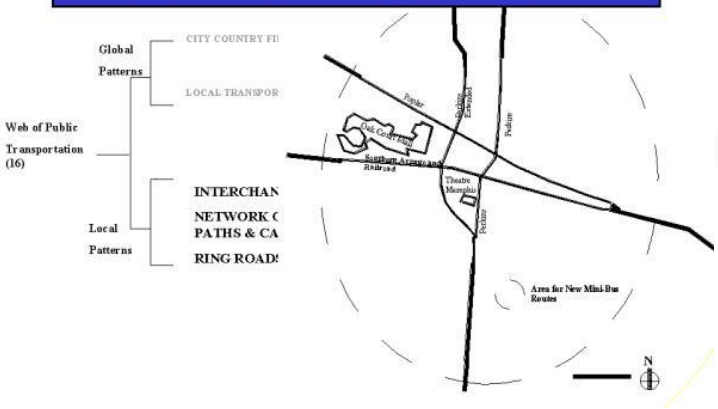
Goals for Design

A Pattern Language Practicum

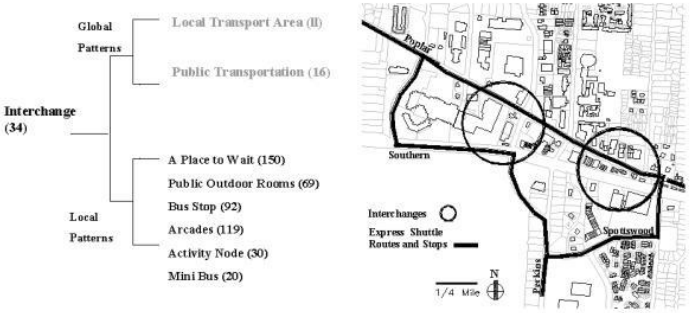
Site design solutions derives using

"A Pattern Language"

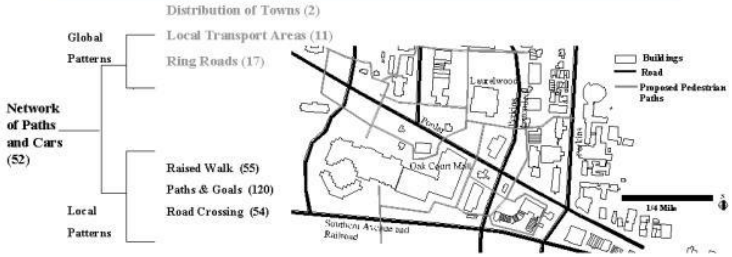
Web of Public Transportation 16



Interchange 34



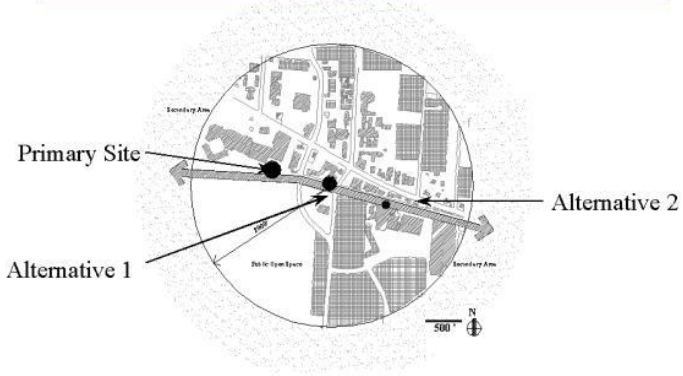
Network of Paths and Cars 52



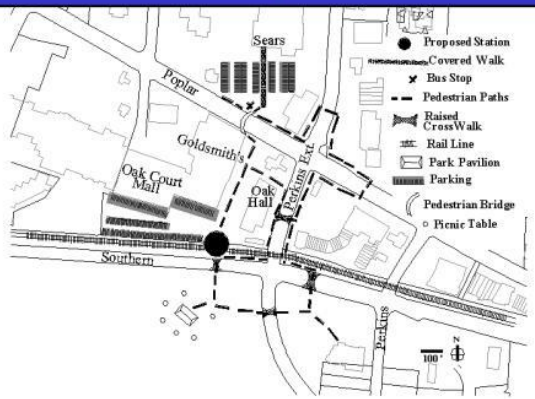
Transit Oriented Development

Applying TOD to the Perkins Station Area

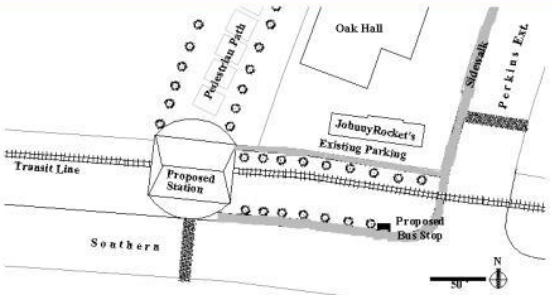
Proposed Site and Alternatives



Primary Site



Detailed - Primary Site



- New bus routes
- Trolley buses
- Tree-lined park area

•Utilize Audubon Park across Street

•Pedestrian bridges

•No new parking lots

Future Site for Pedestrian Path

•Remove parking

•Pedetrian park linking station to Laurelwood

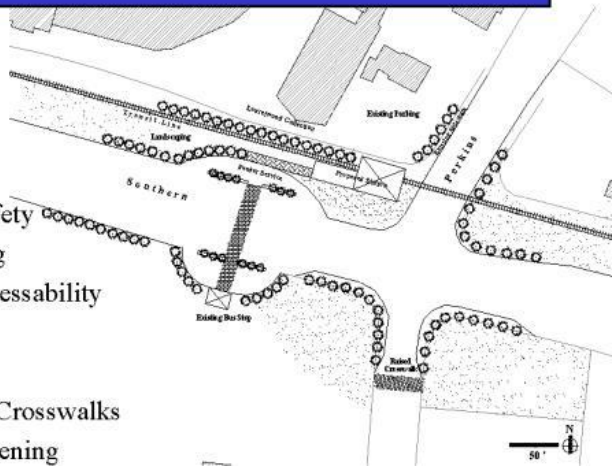
•Create arcade and shops

Current Bus Stop (Poplar)

This is where the pedestrian bridge will connect Laurelwood and Oak Court

Alternative 1

- Pedestrian Safety
- Bottle-necking
- Handicap Accessability
- Kiss and Ride
- Benches
- Raised-Brick Crosswalks
- Trees for Screening



View North of Station

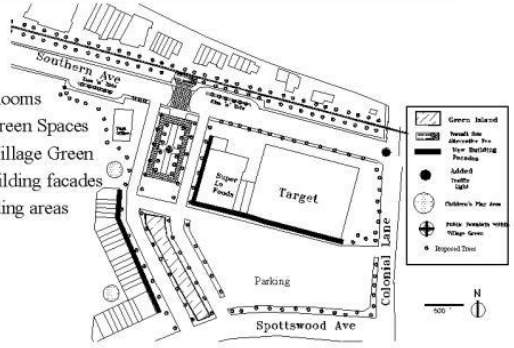
Connect building to station with landscaping and arcades

View West of Station

Amplify current screening for better visual impact.

Alternative 2

- Raised walks
- Public Outdoor Rooms
- Increase/create Green Spaces
- Fountain in the Village Green
- Unification of building facades
- Screening of loading areas



Post Office

Make Post Office into a more noticeable civic node.

Audubon Place Parking Lot

Creation of green space to provide a linkage to proposed station.

Conclusions

- **Lynch Model Identified Major Elements & Problems**
- **Alexander Model Creates General Solutions**
- **Calthorpe Model Gave guidelines for Site Specific Design**