

NC A&T SU: Access Management

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Presentation Overview

- Access Management
 - What is access management?
 - Why is it needed?
- How Access Management Relates to NC A&T
- Suggestions for Improvement
- Conclusion



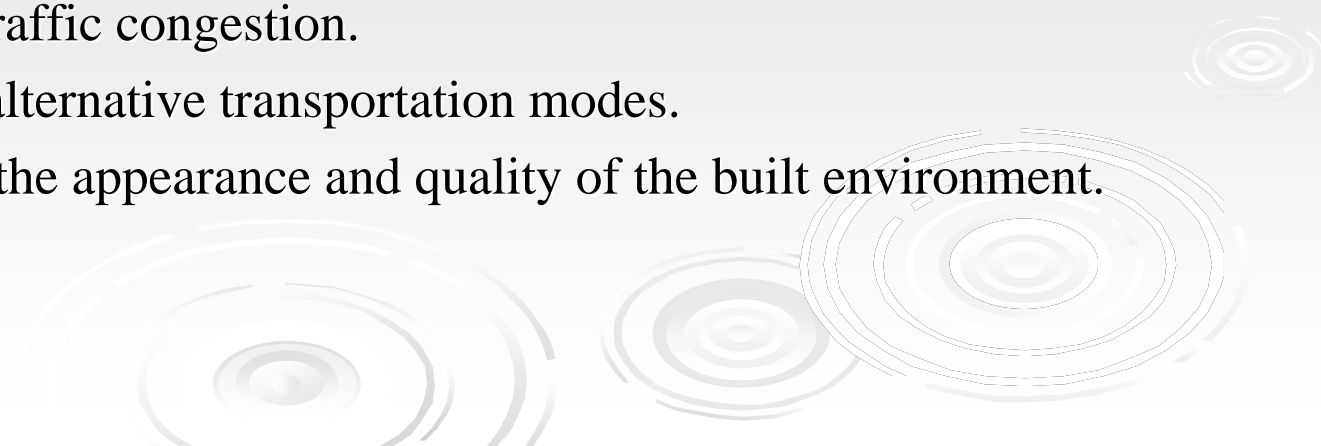
What is Access Management?

- The systematic control of location, spacing, design, and operation of driveways, median openings, interchanges and street connections.
- Encompasses roadway design treatments.
 - Medians
 - Auxiliary lanes
 - Appropriate spacing of traffic signals.



Importance of Access Management

- Need for effective roadway systems management strategies.
- Offers a variety of benefits to a vast amount of individuals.
 - Managing roadway access:
 - Allows government agencies can increase public safety.
 - Extends the life of major roadways.
 - Reduces traffic congestion.
 - Supports alternative transportation modes.
 - Improves the appearance and quality of the built environment.

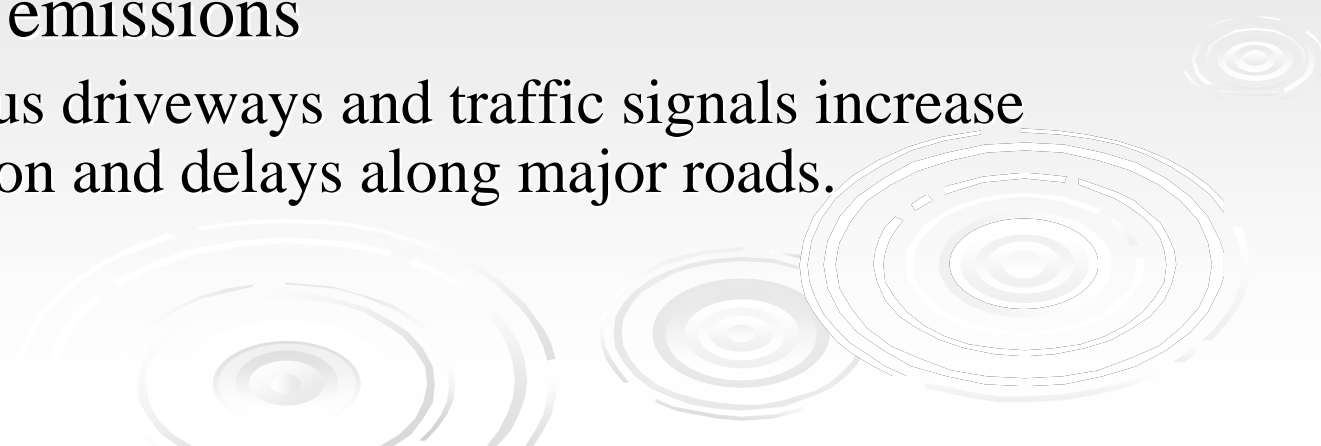


Importance of Access Management

- Decreases amount of vehicular crashes.
- Decreases collisions involving pedestrians and bicyclists.
- Increases roadway efficiency.
- Helps maintain and improve scenic landscapes.
- Reduces the amount of cut-through traffic in residential areas.
 - Due to overburdened arterials.

Importance of Access Management

- Benefits homes and businesses:
 - Reduces cycle of widening roads.
 - Allows for easy entrances and departures.
- Decreases:
 - Commute times
 - Fuel consumption,
 - Vehicular emissions
 - Numerous driveways and traffic signals increase congestion and delays along major roads.



How Access Management Relates to NC A&T

- Increase in number of residence halls built on campus.
- Increase in number new of classroom buildings.



How Access Management Relates to NC A&T

- Increased parking facilities.
- Proposed building and parking facilities.



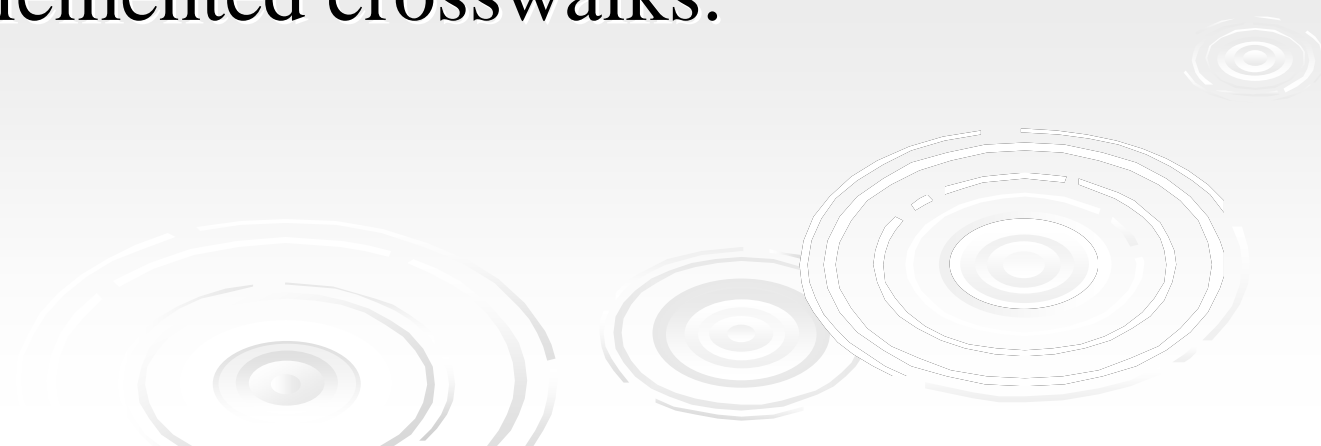
How Access Management Relates to NC A&T

- Increase in building renovations/construction.



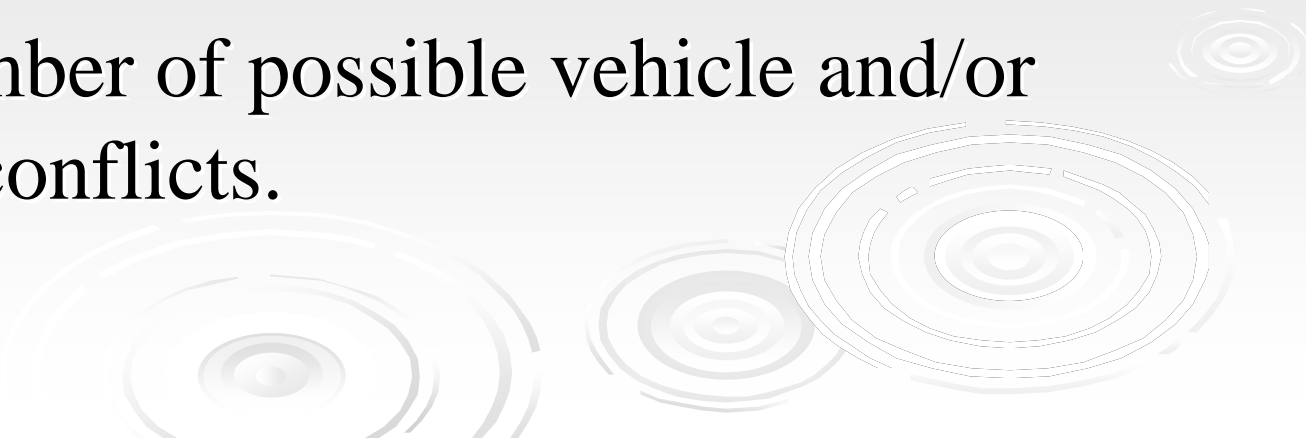
How Access Management Relates to NC A&T

- Increase in student population.
 - Approximately 30% increase from 2000 to 2003.
 - Over 80% of students are commuters.
- Reduction/control of speed on campus.
- Newly implemented traffic signals.
- Newly implemented crosswalks.



Suggestions for Improvement

- Incorporate access managements principals in all of proposed land use changes.
- Incorporate traffic signals and crosswalks.
- Provide specialized roadway systems.
 - Design and manage roadways for the primary functions they will serve.
- Reduce number of possible vehicle and/or pedestrian conflicts.



Conclusion

- NC A&T needs to implement access management principles, if not then the transportation system on campus will deteriorate.
 - Causing possible harm and inconvenience to students, faculty, visitors and the community.
- Access management provides and ensures the safety of the community.



Questions?

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References

- North Carolina Agricultural & Technical State University's Website.
 - <http://www.ncat.edu>
- TRB Access Management Committee Website:
 - <http://www.accessmanagement.gov>
- Institute of Engineers Traffic Engineering Handbook
- Greensboro Department of Transportation Website.
 - <http://www.ci.greensboro.nc.us/GDOT/>