

STATE OF NORTH CAROLINA) OFFICE OF THE COMMISSIONERS
) STOKES COUNTY GOVERNMENT
COUNTY OF STOKES) DANBURY, NORTH CAROLINA
) OCTOBER 24, 2005

The Board of Commissioners of the County of Stokes, State of North Carolina, met for a joint meeting with the Stokes County Board of Education at the Chambers of the Board of Education on Monday, October 24, 2005, at 4:00 pm with the following members present:

Board of Commissioners:
Chairman John Turpin
Vice-Chairman Leon Inman
Commissioner Sandy McHugh
Commissioner Joe Turpin
Commissioner Jimmy Walker

Board of Education:
Chairperson Ty E. Boles
Vice Chairperson Ernest T. Lankford
Member Sonya M. Cox
Member Terri C. Fowler
Member Steve D. Shelton

Other Stokes County Personnel in Attendance:
County Manager Richard Morris
Clerk to the Board Darlene Bullins
GIS/Mapping Administrator Jake Oakley

Other Stokes School Administration Personnel in Attendance:
Dr. Larry W. Cartner - Superintendent
Debbie K. Merritt - Assistant Superintendent
Administrative Assistant Ann Robertson

Operations Research/Education Lab (OR/Ed.Lab)
North Carolina Sate University
Mr. Jeff Tsal
Mr. Laureano Rangle
Mr. Dean Grantham

Dr. Larry Cartner, Superintendent, delivered the invocation.

PLEDGE OF ALLEGIANCE

Chairperson Ty Boles opened the meeting by inviting the citizens in attendance to join both Boards with the Pledge of Allegiance.

Operations Research and Education Labs (OR/Ed.Lab) PowerPoint Presentation

Operations Research and Education Labs (OR/Ed.Lab) presented the Stokes County Board of Commissioners and the Stokes County Board of Education with the Integrated Planning for School and Community (IPSAC) demographic study.

The IPSAC report which is a mathematical model for forecasting school enrollment and determining the optimal locations for new schools and attendance boundaries.

Representatives from OR/Ed.Lab discussed the following:

- Forecasting
 - Historical Data
 - Stokes County Births History
 - Stokes County Schools Enrollment History
 - Optimal Weighting
 - 4,3,2,1 Weighting
 - 1,1,1,1 Weighting

- Planning Segment Analysis
 - Planning Segments
- Land Use Studies
 - Community Interviews
 - GIS Data Analysis
 - GIS Analysis - Student Generating Ratio
 - Allocation of Gains for Elementary Schools
 - Articulate Growth Potential In Terms of School Attendances
 - Stokes Population and Growth
 - Stokes County Employment
 - Factors Encouraging Growth
 - Growth Constraints
 - Infrastructure - Transportation
 - Infrastructure - Water/Sewer
 - Non- Residential Development
 - Residential Development
- School Enrollment Forecasts
 - System Out-of-Capacity Chart
 - 2005-06 School Building Occupancy
- Location Optimization/Attendance Boundaries Optimization
 - Minimization of transportation cost
 - Constraints
 - Optimization algorithm
 - 2005/06 Current Elementary, Middle, High School Boundaries
- Segment Level Scenario Building

Board members were provided with the following scenarios:

- Stokes County School System 2006/07
High School Scenario 1
Optimization of Boundaries for High School
Minimizing distance traveled
No occupancy restrictions
System wide
Student Statistics included for Middle/High Schools
- Stokes County School System 2006/07
High School Scenario 2
Optimization of Boundaries for High School
Minimizing distance traveled
Balancing Occupancy 83%
Student Statistics included for Middle/High Schools
- Stokes County School System 2006/07
High School Scenario 3
Optimization of Boundaries for High School
Minimizing distance traveled
Current Boundaries North Stokes High School
Student Statistics included for Middle/High Schools
- Observations:
 - Reduction in distance traveled by high school students at the expense of increased middle school student travel distance
 - System wide high school redistricting will have the most impacts to South and West High Schools
 - High School redistricting to equalize occupancy will negatively impact middle school occupancy balance
 - Not possible to redistrict to benefit high and middle schools while maintaining clean feeder pattern
- Stokes County School System 2006/07
Middle School Scenario
Optimization of Boundaries for Middle and Elementary Schools
Minimizing distance traveled
No Occupancy Restrictions

- System wide
 Current Boundaries North Stokes High School
 Student Statistics included for Middle/Elementary Scenario
- Observations
 - Reduced distance for all levels
 - Maintained clean feeder patterns
 - Improved out of capacity and under utilizations for Elementary and Middle Schools Levels
 - Balanced occupancy among Elementary Schools at West district but does not solve out of capacity problem for these schools
 - Requires only slight changes in current boundaries
 - Short term solution, need a new elementary school
 - Stokes County School System 2006/07
 Elementary School Scenario
 Optimization of Boundaries for Elementary Schools in West Stokes and South Stokes Districts.
 Occupancy 89%
 Student Statistics included for Elementary Schools
 - Conclusions
 - Need for a new elementary school King area would equalize occupancy versus transportation dilemma
 - Redraw some school boundary lines
 - Potential growth in Stokes County
 - Modern growth in Stokes County in next five years

The Board will receive a copy of the PowerPoint presentation, which will also be retained by the Clerk to the Board

The Board of Commissioners discussed the following issues:

- New elementary school in King area does not solve overcrowding in the elementary schools on the northern side of the County
- Size of elementary school needed
- Middle school statistics
- Need to see a scenario with new elementary school in King area and the effects on the other area elementary schools
- Maintaining clean feeder pattern
- Model for year round schools pertaining to the demographic study
- Redistrict certain areas in the county

Dr. Larry Cartner expressed his appreciation for the joint meeting and noted the following:

- Information given - third party objective view
- Resources for maximizing school occupancy - local government
- Resources for redistricting and transportation - local government
- Challenges as both Boards move forward
 - Develop a timetable for action and remain true to it
 - Recognize the issues regarding funding and address those with integrity and an eye for the future
 - Realize the further away we move from these options, the greater the initial cost

Chairman John Turpin entertained a motion to adjourn the meeting for the Stokes County Board of Commissioners.

Vice Chairman Inman moved to adjourn the meeting for the Stokes County Board of Commissioners.

Commissioner McHugh seconded and the motion carried unanimously.

Darlene M. Bullins
 Clerk to the Board

John M. Turpin
 Chairman