CEQ RESOLUTION NO. 01-2014, AUTHORIZING ADOPTION OF DECEMBER 11, 2013 CEQ MINUTES

WHEREAS, the Council on Environmental Quality has received and reviewed the December 11, 2013 meeting minutes; now, therefore, be it

1st RESOLVED, that a quorum of the Council on Environmental Quality, having heard and accepted all comments and necessary corrections hereby adopts the meeting minutes of December 11, 2013

DATED: 1/15/2014

PROJECT #: Adoption of Minutes
RESOLUTION #: 01-2014
DATE: January 15, 2014

RECORD OF CEQ RESOLUTION VOTES

CEQ APPOINTED MEMBERS	AYE	NAY	ABSTAIN	NOT PRESENT	RECUSED
James Bagg	☒	☐	☐	☐	☐
Eva Growney	☒	☐	☐	☐	☐
Thomas C. Gulbransen	☐	☐	☐	☒	☐
Hon. Kara Hahn	☒	☐	☐	☐	☐
Michael Kaufman	☐	☐	☒	☐	☐
Daniel Pichney	☐	☐	☐	☒	☐
Gloria G. Russo	☒	☐	☐	☐	☐
Mary Ann Spencer	☐	☐	☐	☒	☐
Larry Swanson	☒	☐	☐	☐	☐
CAC REPRESENTATIVES	☐	☐	☐	☐	☐

Recommendation: Adoption of minutes

Motion: Mr. Bagg
Second: Legis. Hahn

Further information may be obtained by contacting:

Andrew P. Freleng, Chief Planner
Council on Environmental Quality
P.O. Box 6100
Hauppauge, New York 11788
Tel: (631) 853-5191

COUNTY OF SUFFOLK

STEVEN BELLONE
COUNTY EXECUTIVE

DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING
DIVISION OF PLANNING AND ENVIRONMENT

COUNCIL ON ENVIRONMENTAL QUALITY

GLORIA RUSSO
CHAIRPERSON
CEQ

MEMORANDUM

TO: Honorable Steven Bellone, Suffolk County Executive
Honorable DuWayne Gregory, Presiding Officer

FROM: Gloria Russo, Chairperson

DATE: January 15, 2014

RE: CEQ Review of the Proposed Acquisition of land by Suffolk County for Active Recreation Purposes known as the Board of Education Middle Country Central School District #11 Property – Boyle Road, Town of Brookhaven

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At its January 15, 2014 meeting, the CEQ reviewed the above referenced matter. Pursuant to Chapter 450 of the Suffolk County Code, and based on the information received, as well as that given in a presentation by Lauretta Fischer, Principal Environmental Analyst with the Suffolk County Department of Economic Development and Planning, the Council advises the Suffolk County Legislature and County Executive, in CEQ Resolution No. 02-2014, a copy of which is attached, that the proposed project be considered a Type I Action under SEQRA that will not have significant adverse impacts on the environment.

If the Legislature concurs with the Council on Environmental Quality's recommendation that the project will not have a significant adverse impact on the environment, the Presiding Officer should cause to be brought before the Legislature for a vote, a resolution determining that the proposed action is a Type I Action pursuant to SEQRA that will not have significant adverse impacts on the environment (negative declaration). However, if the Legislature has further environmental concerns regarding this project and needs additional information, the Presiding Officer should remand the case back to the initiating unit for the necessary changes to the project and EAF or submit a resolution authorizing the initiating unit to prepare a draft environmental impact statement (positive declaration).

Enclosed for your information is a copy of CEQ Resolution No. 02-2014 which sets forth the Council's recommendations. The project EAF and supporting documentation can be viewed online at http://www.suffolkcountyny.gov/Departments/Planning/Boards/CouncilonEnvironmentalQuality.

cc: All Suffolk County Legislators
Tim Laube, Clerk of Legislature
George Nolan, Attorney for the Legislature
Sarah Lansdale, Director of Planning, Department of Economic Development and Planning
Andrew Freleng, Chief Planner, Department of Economic Development and Planning
Dennis Brown, Suffolk County Attorney

Project # PLN-55-2013 January 15, 2014

CEQ RESOLUTION NO. 02-2014, RECOMMENDATION CONCERNING A SEQRA CLASSIFICATION AND DETERMINATION FOR THE PURPOSES OF CHAPTER 450 OF THE SUFFOLK COUNTY CODE FOR THE PROPOSED ACQUISITION OF LAND BY SUFFOLK COUNTY FOR ACTIVE RECREATION PURPOSES KNOWN AS THE BOARD OF EDUCATION MIDDLE COUNTRY CENTRAL SCHOOL DISTRICT #11 PROPERTY – BOYLE ROAD, TOWN OF BROOKHAVEN

WHEREAS, at its January 15, 2014 meeting, the Suffolk County Council on Environmental Quality (CEQ) reviewed the EAF and associated information submitted by the Suffolk County Department of Economic Development and Planning; and

WHEREAS, a presentation regarding the project was given at the meeting by Lauretta Fischer, Principal Environmental Analyst, with the Suffolk County Department of Economic Development and Planning; and

WHEREAS, the project involves the acquisition of 15.80± acres of land by Suffolk County for active recreational purposes; and

WHEREAS, the proposal includes a multi-use sports field, two baseball fields, basketball courts, tennis courts, a playground area, parking lots and other related park amenities to be located on the subject parcel for use by all County residents; now, therefore, be it

1st RESOLVED, that based on the information received and presented, a quorum of the CEQ hereby recommends to the Suffolk County Legislature and County Executive that the proposed activity be classified as a Type I Action under the provisions of Title 6 NYCRR Part 617.4(b)(6)(i) in that the action involves the physical alteration of more than 10 acres of land; and, be it further

2nd RESOLVED, that based on the information received, a quorum of the CEQ recommends to the Suffolk County Legislature and County Executive, pursuant to Title 6 NYCRR Part 617 and Chapter 450 of the Suffolk County Code, that the proposed project will not have significant adverse impacts on the environment for the following reasons:

1. the proposed action will not exceed any of the criteria set forth in Title 6 NYCRR Part 617.7 which sets forth thresholds for determining significant effect on the environment, as demonstrated in the Environmental Assessment Form;

2. the proposed action does not appear to significantly threaten any unique or highly valuable environmental or cultural resources as identified in or regulated by the Environmental Conservation Law of the State of New York of the Suffolk County Charter and Code;

3. the proposed action will have a positive social and cultural impact on the surrounding community by providing needed ballfields/active recreation areas to the community;

4. the proposed action will maintain a minimum buffer of 50-75 feet between the ballfields/active recreation areas and the surrounding community in accordance with Brookhaven Town Code and any significant changes to the proposed Concept Plan will be resubmitted to the CEQ for review;

5. the proposed action will have dark skies compliant lighting in accordance with Brookhaven Town Code;

6. if not acquired, the property will most likely be developed for residential purposes resulting in a greater environmental impact than the proposed acquisition and recreational development of the site would have;

and, be it further

3rd RESOLVED, that it is the recommendation of the Council that the Legislature and County Executive adopt a SEQRA determination of non-significance (negative declaration).

DATED: 1/15/2014

PROJECT #: PLN-55-2013
RESOLUTION #: 02-2014
DATE: January 15, 2014

RECORD OF CEQ RESOLUTION VOTES

CEQ APPOINTED MEMBERS	AYE	NAY	ABSTAIN	NOT PRESENT	RECUSED
James Bagg	☒	☐	☐	☐	☐
Eva Growney	☒	☐	☐	☐	☐
Thomas C. Gulbransen	☐	☐	☐	☒	☐
Hon. Kara Hahn	☒	☐	☐	☐	☐
Michael Kaufman	☒	☐	☐	☐	☐
Daniel Pichney	☐	☐	☐	☒	☐
Gloria G. Russo	☒	☐	☐	☐	☐
Mary Ann Spencer	☐	☐	☐	☒	☐
Larry Swanson	☒	☐	☐	☐	☐
CAC REPRESENTATIVES	☐	☐	☐	☐	☐

Recommendation: Type I Action, Negative Declaration

Motion: Mr. Kaufman
Second: Leg. Hahn

Further information may be obtained by contacting:

Andrew P. Freleng, Chief Planner
Council on Environmental Quality
P.O. Box 6100
Hauppauge, New York 11788
Tel: (631) 853-5191

COUNTY OF SUFFOLK

Steven Bellone
SUFFOLK COUNTY EXECUTIVE
Department of
Economic Development and Planning

Joanne Minieri
Deputy County Executive and Commissioner

Division of Planning
and Environment

November 27, 2013

Ms. Gloria Russo, Chairperson
Council on Environmental Quality
H. Lee Dennison Building - 4th Floor
100 Veterans Memorial Highway
Hauppauge, New York 11788

Dear Ms. Russo:

Attached for your review and consideration is an Introductory Resolution authorizing the acquisition of land, for active recreational purposes, known as the Board of Education Middle Country Central School District #11 Property – Boyle Road, in the Town of Brookhaven. Please review the proposal and forward the Council's SEQRA recommendation to the County Executive and Legislature. Attached is a long EAF for your consideration.

Sincerely,

Sarah Lansdale, A.I.C.P.
Director, Division of Planning
and Environment

SL:lrf:km

cc: Lauretta R. Fischer, Principal Environmental Analyst
Andy Freleng, Chief Planner
John Corral, Planner

SUFFOLK COUNTY ENVIRONMENTAL ASSESSMENT FORM (EAF)

Instructions: This document is designed to assist in determining whether the action proposed may have a significant effect on the environment. Please complete the entire Data Sheet. Include as much information as possible such as feasibility studies, design reports, etc. Attach additional sheets if necessary. Mark irrelevant questions N.A., not applicable.

A. General Information:

1. Name of Project:

Middle Country Athletic Fields

2. Location of Project: (specify Town, Village or Hamlet and include project location map on next page.)

Hamlet of Selden, Town of Brookhaven
SCTM# 0200-392.00-04.00-016.000

Street Address:

No# Boyle Road – The northwest corner of Hawkins Road and Boyle Road. Part of the Hawkins Path Elementary School property.

Name of property or waterway:

Board of Education Middle Country Central School District #11

3. Maps of Property and Project: Attach relevant available maps, including a location map (note: use road map, Hagstrom Atlas, U.S.G.S. topo map, tax map or equivalent) and preliminary site plans showing orientation, scale, buildings, roads, landmarks, drainage systems, areas to be altered by project, etc.

4. Type of Project: (check one) New _X_ Expansion _____

5. Capital Program: (specify) Item #_____and Date Adopted _____ Amount$

New Suffolk County Drinking Water Protection Program- Active park component, Section C12-2(A)(1)(i).

6. General Description of Project, including its Purpose (attach relevant design reports, plans etc.):

The proposed acquisition of part of the subject SCTM parcel by the County of Suffolk ("County") for active recreational purposes for use by all County residents. The proposal includes 1 multi-use sports field, 2 baseball fields, 2 basketball courts, 2 tennis courts, 1 playground area, 2 shade shelters, 1 comfort station, 7 picnic pods, and 3 parking lots to be located on the subject parcel. Adjacent County-owned property to the west, acquired in September 2012 and known as the Grace Presbyterian Church Property, will include 2 baseball fields, 1 parking area and an access road. Additionally, adjacent Town-owned property to the north will include 1 multi-use sports field and 1 parking lot to be located on the adjacent parcel to the north, which is owned by the Town of Brookhaven. The proposed site plan, prepared by L.K. McLean Associates, P.C. for the Town of Brookhaven and the Site Concept Plan, prepared by the Town of Brookhaven, are attached as Addenda A and B.

7. Project Status: (check if begun)

		Start	Completion
	PROPOSAL	N/A	N/A
	STUDY	N/A	N/A
	PRELIMINARY PLANNING	October 2011	December 2011
	FINAL PLANS: SPECS	N/A	N/A
	SITE ACQUISITION	June 2013	est. winter 2014
	CONSTRUCTION	N/A	N/A
	OTHER	N/A	N/A

8. Departments Involved:

NAME AND ADDRESS OF DEPT. PERFORMING DESIGN & CONSTRUCTION	**NAME AND ADDRESS OF INITIATING DEPT. (If different)**
Town of Brookhaven Department of Parks and Recreation	Suffolk County Department of Economic Development and Planning, Division of Planning and Environment
286 Hawkins Road	PO BOX 6100
Centereach, New York	Hauppauge, New York
11720	11788-0099
Ed Morris, Commission of Parks and Recreation	Lauretta R. Fischer, Principal Environmental Analyst
631-451-8691	631-853-6044

B. Project Description

1. Scale of Project:

a. Total contiguous acres now owned at site:	The County owns 3.5 ± acre adjacent parcel to the west and the Town of Brookhaven owns the 6.8 ± acre adjacent parcel to the north. Both parcels are proposed as part of the overall Middle Country Athletic Fields project.
b. Acreage to be acquired:	Approx. 15.8 ± of 21.30 ± acres
c. Developed acreage now: Developed acreage at completion of project:	0 Approx.. 13 acres

Developed acreage ultimately:	
d. Acreage of vegetation or cover to be removed:	13 ± acres
e. Acreage to remain undeveloped:	2.8± acres
f. Building gross floor area now: Building gross floor area proposed:	0 720 sq. ft. = **0.02 ± acres**
g. Height of tallest structure on site now: Height of tallest structure proposed on site:	N/A Approx. 10 feet
h. Proposed Building use (if any):	Shade shelters: rest area for visitors Comfort station: restrooms, etc. for visitors
i. Off-street parking spaces now: Off-street parking spaces proposed:	0 265
j. Max. vehicle trips/hr. when operational: Max trips assumes full capacity of total number parking spaces available at the site.	265 trips/peak hour (Assumes 265 parking spaces full.)
k. Roads on site now (incl. paved and unpaved):	None.
l. New road construction or reconstruction	None.
m. Will project result in an increase in energy use? If yes, indicate type(s):	Yes. Electricity in the comfort station and for lights around the playing fields.
n. Will project require storage of liquid fuels and chemicals? If yes, describe substances and amounts to be stored:	No. N/A

2. Project Schedule:

a. Is project single or multi-phase?	Multi-phase
b. If multi-phase, how many phases?	Unknown at this time.
c. Total construction time (months)	Unknown at this time.

3. Wastes and Pollutants Generated During Project Construction and Operation: N/A

	Components	Quantity	Mode of Disposal
a. Sanitary Sewage	5-7 individual septic systems with leaching fields associated with comfort station.	Unknown	Septic systems will have leaching fields in ground according to SCDHS standards.

	Components	Quantity	Mode of Disposal
b. Liquid industrial waste	None	0	N/A
c. Toxic chemicals	None	0	N/A
d. Pesticides or herbicides	None	0	N/A
	Components	Quantity	Mode of Disposal
e. Solid wastes	Garbage from comfort station, various receptacles in the park.	Unknown	To be carted off-site appropriate disposal facility 3-4 times per week.
f. Clearing or demolition debris	None	0	N/A
g. Spoil disposal or sedimentation	None	0	N/A
h. Atmospheric emissions	Exhaust from construction equipment	Temporary	Dissipation
i. Surface water runoff	None	0	N/A
j. Noise exceeding ambient	Minimal; of a temporary nature during construction operation	Temporary	N/A
k. Odors exceeding 1hr/day	None	0	N/A
l. Other (specify)	None	0	N/A

4. Does Project Involve Any:

Grading Cut/Fill; List amounts.	Yes; Unknown
Dredging; List max. depth, length & width.	No
Spoil Area; List amount.	No
Bulkheading; List length.	No
Dewatering; List g.p.m. & period of time.	No

5. Indicate Sources of Utilities:

Water	Suffolk County Water Authority
Electricity	School district facility has electric service on the southeast corner of the site, but the portion of the site proposed for acquisition is not currently served.
Gas	No.
Other (please specify)	

6. Total Water Usage: Unknown.
Gallons per Day
If water supply is from wells, indicate pumping capacity in gallons per minute.

C. Project Area Description/Existing Conditions:

1. Acreage of Physical Characteristics of Project Area:	Presently	After Completion
Meadow, field, scrub growth	>1 acre	0 acres
Wooded	Approx. 15 acres	Approx. 1-2 acres
Agricultural	0	0
Freshwater wetland	0	0
Tidal wetlands	0	0
Surface waters	0	0
Cleared, graded or filled land	>1 acre	Approx. 12-13 acres
Paved areas (roads, parking, etc.)	0	Approx. 1 acre
Buildings (List number and sq. ft.)	0	Comfort station= ±720 sq.ft = **±0.02 ac.**
Other (please specify)	-	-
TOTAL	15.8± acres	15.8± acres

2. Streams within or contiguous to project area: *(Please list name of stream and/or name of river to which it is tributary, including intermittent streams)*

None.

3. Lakes, Ponds, Wetland areas within or contiguous to project area: *(Please list name(s) and size(s) in acres)*

There are no NYSDEC Designated Freshwater Wetlands on the site.

4. a. Are there natural drainage channels on the project site? ___yes__**X**__no

b. How far is project area from freshwater wetlands, tidal wetlands or surface waters?

As stated in C(3) above, the property does not contain either freshwater wetlands and surface waters. The subject property is over 5 miles from Port Jefferson and Mount Sinai Harbors to the north and over 5 miles from Lake Ronkonkoma to the southwest.

5. Is the Project area within the 100 yr. Flood plain? ____yes __**X**__no

6. Depth to the water table: at surface____0-3 ft ___3-8 ft ___8-16 ft___>16 ft__**X***__

7. Predominant soil type (s) on project site as identified in the Soil Survey Geographic (SSURGO) Database for Suffolk County, New York. 2010 survey area data, Natural Resources Conservation Service, United States Department of Agriculture: *(Include soils map of site.)*

Cut and Fill (CuB), Carver and Plymouth Sands (CpA, CpC)

8. General character of the land: Generally uniform slope__X__. *(Include topographic map of site.)*

9. Approximate percentage of proposed project site with slopes:
0-10% __**100%**__ 10-15%__or greater ____.

10. Any unique or unusual land forms on the project site? (i.e. cliffs, dunes, kettle holes, eskers, other geological formations):

N/A.

11. Describe the predominant vegetation types on the site:

The site consists of woodland with underbrush with the exception of an area towards the center of the property, which is a grass athletic field, and a cleared area on the western edge of the property.

12. Describe the predominant wildlife on the site:

Small mammals and birds typical in Suffolk County (song birds, squirrels.)

13. Does project site contain any species of plant or animal life that is identified as threatened or endangered?___yes __**X**__no; if yes, give source and identify each species;

14. Is project contiguous to, or does it contain a building or site of historic, pre-historic or paleontological importance?___ yes **X** no. Explain.

N/A

15. List the specific activities now occurring at project location (ie. hunting, fishing, hiking etc.)

No current authorized activities occurring now. There is unauthorized recreational use of the property, including dirt biking trails.

16. Is the project site presently used by the community or neighborhood as an open space or recreation area?__**X**__ yes ____ no.

17. Does the present site offer or include scenic views or vistas known to be important to the community? ____ yes __**X**__no.

18. Zoning:

a. Current specific zoning or use classification of site?	Residentially zoned: A1 (40,000sq.ft.)
b. Is proposed use consistent with present zoning or use?	N/A
c. If no, indicate desired zoning or use.	Active parkland.

19. What is the dominant land use and zoning classification within a 1/4 mile radius of the project (e.g. single family residential, R-2) and the scale of development (e.g. 2 story)? *(Include existing land use map)*

The surrounding area is a mix of residential (single family), recreational (adjacent County and Town parkland) and institutional uses (elementary school, church). The surrounding area is residentially zoned (RA1).

20. Is the site served by existing public utilities? __X__ yes _____ no.

a) If yes, does sufficient capacity exist to allow connection? __X__ yes _____ no.

b) If yes, will improvements be necessary to allow connection? __X__ yes __ no

21. Is the site located in an agricultural district certified pursuant to Agriculture and Market Law, article 25-AA, Section 303 and 304?_____yes __X__ no.

N/A

22. Is the site located in or substantially contiguous to a Critical Environmental Area designated pursuant to Article 8 of the ECL, and 6 NYCRR 617?_____ yes __X__ no.

23. Has the site ever been used for disposal of solid or hazardous wastes? _____ yes __X__ no.

D. Impact Summary and Mitigation

1. How many acres of vegetation (trees, shrubs, ground covers) will be removed from site?
Approximately 12-13 acres of trees and shrubs will be removed to allow for the development of the active recreational areas.

2. Will any mature forest or other locally important vegetation be removed by this project?
_____ yes __X__ no. Explain.

N/A

3. Are there plans for erosion control and stabilization? __X__ yes __ no. Explain and attach plans.

Plans for mitigation will be according to local regulations.

4. Are there any plans for revegetation to replace that removed during construction? __ yes __X__ no. Explain and attach plans.

N/A

5. Will project physically alter any surface water bodies? ___ yes __X__ no. Explain.

N/A

6. Will project require relocation of any projects, facilities or homes? ___yes __X__ no. Explain.

N/A

7. Number of jobs generated:

During construction?	Over 50
After project is completed?	4-5 seasonal positions

8. Number of jobs eliminated by this project None .

E. Alternatives - Briefly list alternatives to the proposal considered

Continued use for school purposes.

F. Approval and Compliance

1. Will project involve funding or financing by any:

a. Federal agency (specify) _____; amount_____.

b. State agency (specify)_____; amount_____.

c. Local agency **County of Suffolk; $ amount redacted** .
Town of Brookhaven (for development and maintenance of the site); $ amount unknown .

2. Does project require permit or approval from:

	YES	NO	TYPE
a. Army Corps of Engineers		x	
b. U.S. Environmental Protection		x	
c. Other Federal agency (specify)		x	
d. N.Y.S. Environmental Conservation Department		x	
e. Other State agency (specify)		x	
f. County Health Department	x		Septic systems
g. County Planning Department		x	
h. County Public Works Department	x		Compliance
i. Town or Village Board	x		

	YES	NO	TYPE
j. Town or Village Planning Board		x	
k. Town or Village Zoning Board		x	
l. Town or Village Building Department		x	
m. Town or Village Highway Department		x	
n. Town or Village Environmental Agency		x	
o. Local Fire Marshal	x		Compliance
p. Other local agency (specify i.e. CAC) **CEQ** **S.C. Parks Trustees**	x		 Recommendation Recommendation

3. Conformance to existing comprehensive or project master plans. N/A

	yes	no	Description
a. State	___	x	
b. Bi County	___	x	
c. County	x	___	Acquisition – for active recreational park purposes
d. Town	___	x	
e. Village	___	x	

PREPARER **Lauretta R. Fischer** Date **November 27, 2013**

TITLE **Principal Environmental Analyst**

SIGNATURE* _____

I certify that the information herein is accurate.

PROJECT DIRECTOR **Sarah Lansdale** Date **November 27, 2013**

TITLE **Director, Suffolk County Division of Planning and Environment**

SIGNATURE* _____

I certify that the information herein is accurate

*Signature of both preparer and project director required

Part 2 - RESPONSIBILITY OF LEAD AGENCY
Project Impacts and Their Magnitude

General Information (Read Carefully)

X In completing the form the reviewer should be guided by the question: Have my decisions and determinations been **reasonable?** The reviewer is not expected to be an expert environmental analyst.

X Identifying that an effect will be potentially large (column 2) does not mean that it is also necessarily **significant.** Any large impact must be evaluated in PART 3 to determine significance. By identifying an impact in column 2 simply asks that it be looked at further.

X The **Examples** provided are to assist the reviewer by showing types of impacts and wherever possible the threshold of magnitude that would trigger a response in column 2. The examples are generally applicable throughout the State and for most situations. But, for any specific project or site other examples and/or lower thresholds may be appropriate for a Potential Large Impact rating.

X Each project, on each site, in each locality, will vary. Therefore, the examples have been offered as guidance. They do not constitute an exhaustive list of impacts and thresholds to answer each question.

X The number of examples per question does not indicate the importance of each question.

Instructions (Read carefully)

a. Answer each of the 19 questions in PART 2. Answer **Yes** if there will be **any** impact.
b. **Maybe** answers should be considered as **Yes** answers.
c. If answering Yes to a question then check the appropriate box (column 1 or 2) to indicate the potential size of the impact. If threshold impact equals or exceeds any example provided, check column 2. If impact will occur but threshold is lower than example, check column 1.
d. If reviewer has doubt about size of the impact then consider the impact as potentially large and proceed to PART 3.
e. If a potentially large impact or effect can be mitigated by a change in the project to a less that large magnitude, check the yes box in column 3. A No response indicates that such a reduction is not possible.

IMPACT ON LAND

1. Will the proposed action result in a physical change to the project site? __X__ Yes ___ No

IMPACT ON LAND **Examples** that would apply to Column 1	**1** **Small to Moderate Impact**	**2** **Potential Large Impact**	**3** **Can Impact Be Mitigated By Project Change (Enter Yes or No)**
Any construction on slopes of 15% or greater, (15 foot rise per 100 foot of length), or where the general slopes in the project area exceed 10%.			
Construction of land where the depth to the water table is less than 3 feet.			
Construction of paved parking area for 1,000 or more vehicles.			
Construction on land where bedrock is exposed or generally within 3 feet of existing ground surface.			
Construction that will continue for more than one year or involve more than one phase or stage.	X multi-phase		No.
Excavation for mining purposes that would remove more than 1,000 tons of natural material (i.e., rock or soil) per year.			

IMPACT ON LAND	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Construction of any new sanitary landfill.			
Construction in a designated floodway.			
Other Impacts (Please describe)			

2. Will there be an effect to any unique or unusual land forms found on the site? (i.e., cliffs, dunes, geological formations, etc.)
___ yes __X__ no.

List Specific land forms:			

IMPACT ON WATER

3. Will proposed action affect any water body designated as protected? (under Articles 15,24,25 of the Environmental Conservation Law, ECL) ___ yes __X__ no.

IMPACT ON WATER (**Examples** that would apply to column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Developable area of site contains a protected water body.			
Dredging more than 100 cubic yards of material from channel of a protected stream.			
Extension of utility distribution facilities through a protected water body.			
Construction in a designated freshwater or tidal wetland.			
Please List Other Impacts:			

4. Will proposed action affect any non-protected existing or new body of water? ___ yes __X__ no

A 10% increase or decrease in the surface area of any body of water or more than a 10 acre increase or decrease.			
Construction of a body of water that exceeds 10 acres of surface area.			
Please List Other Impacts:			

5. Will proposed action affect surface or groundwater quality? __X__ yes ___ no

Proposed Action will require a discharge permit.			
Proposed Action requires use of a source of water that does not have approval to serve proposed (project) action.			
Proposed Action requires water supply from wells with greater than 45 gallons per minute pumping capacity.			

IMPACT ON WATER (cont.) (Examples that would apply to column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Construction or operation causing any contamination of a public water supply system.			
Proposed Action will adversely affect groundwater.			
Liquid effluent will be conveyed off the site to facilities which presently do not exist or have inadequate capacity.			
Proposed Action requiring a facility that would use water in excess of 20,000 gallons per day.			
Proposed Action will likely cause siltation or other discharge into an existing body of water to the extent that there will be an obvious visual contrast to natural conditions.			
Proposed Action will require the storage of petroleum products greater than 1,100 gallons.			
Proposed Action will allow residential uses in areas without water and/or sewer services.			
Proposed Action locates commercial and/or industrial uses which may require new or expansion of existing waste treatment and/or storage facilities.			
Please list other impacts: **Construction of additional septic systems for comfort station**	X		No.

6. Will proposed action alter drainage flow, patterns or surface water runoff? ___ yes __X__ no.

Proposed Action would impede flood water flows.			
Proposed Action is likely to cause substantial erosion.			
Proposed Action is incompatible with existing drain patterns.			
Proposed Action will allow development in a designated floodway.			
Please list other impacts:			

IMPACT ON AIR

7. Will proposed action affect air quality? ___ yes __X__ no.

IMPACT ON AIR (Examples that would apply to column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Proposed Action will induce 1,000 or more vehicle trips in given hour.			
Proposed Action will result in the incineration of more than 1 ton of refuse per hour.			

IMPACT ON AIR (cont.)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Proposed Action emission rate of all contaminants will exceed 5 lbs. per hour or a heat source producing more than 10 million BTU's per hour.			
Proposed Action will allow an increase in the amount of land committed to industrial use.			
Proposed Action will allow an increase in the density of industrial development in existing industrial areas.			
Please List Other Impacts:			

IMPACT ON PLANTS AND ANIMALS

8. Will Proposed Action affect any threatened or endangered species? ___ yes __X__ no.

IMPACT ON PLANTS AND ANIMALS (Examples that would apply to Column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Reduction of one or more species listed on the New York or Federal list, using the site, over or near site or found on the site.			
Removal of any portion of a critical or significant wildlife habitat.			
Application of pesticide or herbicide over more than twice a year other than for agricultural purposes.			
Please list other impacts:			

9. Will Proposed Action substantially affect non-threatened or endangered species? ___ Yes __X__ No

Proposed Action would substantially interfere with any resident or migratory fish or wildlife species.			
Proposed Action requires the removal of more than 10 acres of mature forest (over 100 years of age) or other locally important vegetation.			

IMPACT ON AGRICULTURAL LAND RESOURCES

10. Will the Proposed Action affect agricultural land resources? ___ Yes __X__ No

IMPACT ON AGRICULTURAL LAND RESOURCES (Examples that would apply to Column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
The Proposed Action would sever, cross through, or limit access to a field of agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc.			

IMPACT ON AGRICULTURAL LAND RESOURCES (cont.)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Construction activity would excavate or compact the soil profile of agricultural land.			
The Proposed Action would irreversibly convert more than 10 acres of agricultural land or, if located in an Agricultural District, more than one acre of agricultural land.			
The Proposed Action would disrupt agricultural land management systems (e.g., subsurface drain lines, outlet ditches, strip cropping); prevent agricultural land management measures from being installed; or create a need for such measures (e.g., cause a farm field to drain poorly due to increased runoff)			
Prime or unique farmland as defined by USDA-SCS 7 CFR Part 657 and governed by the Farmland Protection Policy Act of 1981 is involved.			
Please list other impacts:			

IMPACT ON AESTHETIC RESOURCES OR COMMUNITY CHARACTER

11. Will proposed action affect aesthetic resources, or the character of the neighborhood or community? X Yes ___ No

IMPACT ON AESTHETIC RESOURCES OR COMMUNITY CHARACTER (**Examples** that would apply to column 2) *(If Necessary Use the Visual EAF Addendum in Section 617.23)*	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Introduction of proposed land uses, projects or project components obviously different or in sharp contrast to current surrounding land use patterns or existing man-made additions to the landscape.			
Introduction of proposed land uses, projects or project components as described in the above example that will be visible to users of aesthetic resources. This will eliminate or significantly reduce the public enjoyment or appreciation of the appearance or aesthetic qualities of a resource or community character.			
Introduction of project components that will result in the elimination or significant screening of scenic views known to be important to the area.			
Please list other impacts: **Preservation of 15.8 ± acres for active recreational purposes for all Suffolk County residents.**	**X Beneficial**		

IMPACT ON HISTORIC AND ARCHEOLOGICAL RESOURCES

12. Will Proposed Action impact any site or structure of historic, prehistoric or paleontogical importance?_Yes ___ No_X__

IMPACT ON HISTORIC AND ARCHEOLOGICAL RESOURCES (Examples that would apply to column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Proposed Action occurring wholly or partially within or contiguous to any facility or site listed or eligible for listing on the State or National Register of historic places.			
Any impact to an archeological site or fossil bed located within the project site.			
Proposed Action will occur in an area designated as sensitive for archeological sites on the NSY Site Inventory.			
Please list other impacts:			

IMPACT ON OPEN SPACE AND RECREATION

13. Will Proposed Action affect the quantity or quality of existing or future open spaces or recreational opportunities?
__X__ Yes __ No

IMPACT ON OPEN SPACE AND RECREATION (Examples that would apply to column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
The permanent foreclosure of a future recreational opportunity.			
A major reduction of an open space important to the community.			
Please list other impacts: **Preservation of 15.8 ± acres for active recreational purposes for all Suffolk County residents.**	X Beneficial		

IMPACT ON CRITICAL ENVIRONMENTAL AREAS

14. Will Proposed Action impact the exceptional or unique characteristics of a critical environmental area (CEA) established pursuant to subdivision 6 NYCRR 617.14(g)?_ __Yes_X_No
List the environmental characteristics that caused the designation of the CEA.

IMPACT ON CRITICAL ENVIRONMENTAL AREAS (Examples that would apply to column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Proposed Action to locate within the CEA?			
Proposed Action will result in a reduction in the quantity of the resource?			
Proposed Action will result in a reduction in the quality of the resource?			
Proposed Action will impact the use, function or enjoyment of the resource?			
Please list other impacts.			

IMPACT ON TRANSPORTATION

15. Will there be an effect to existing transportation systems? ___ Yes X No

IMPACT ON TRANSPORTATION (Examples that would apply to column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Alteration of present patterns of movement of people and/or goods.			
Proposed Action will result in severe traffic problems			
Please list other impacts:			

IMPACT ON ENERGY

16. Will proposed action affect the communities sources of fuel or energy supply? ___ Yes X No

IMPACT ON ENERGY (Examples that would apply to column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Proposed Action will cause a greater than 5% increase in any form of energy in municipality.			
Proposed Action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two family residences.			
Please list other impacts:			

IMPACT ON NOISE

17. Will there be objectionable odors, noise, glare, vibration or electrical disturbance as a result of the Proposed Action?
___ Yes _X_ No

IMPACT ON NOISE (Examples that would apply to column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Blasting within 1,500 feet of a hospital, school or other sensitive facility.			
Odors will occur routinely (more than one hour per day).			
Proposed Action will produce operating noise exceeding the local ambient noise levels for noise outside of structures.			
Proposed Action will remove natural barriers that would act as a noise screen.			
Please list other impacts:			

IMPACT ON PUBLIC HEALTH AND (HAZARDS) SAFETY

18. Will Proposed Action affect public health and safety? ___ Yes _X_ No

IMPACT ON PUBLIC HEALTH AND (HAZARDS) SAFETY (Examples that would apply to column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
Proposed Action will cause a risk of explosion or release of hazardous substances (i.e. oil, pesticides, chemicals, radiation, etc.) in the event of accident or upset conditions, or there will be a chronic low level discharge or emission.			
Proposed Action will result in the burial of "hazardous wastes" (i.e. toxic, poisonous, highly reactive, radioactive, irritating, infectious, etc., including wastes that are solid, semi-solid, liquid or contain gases).			
Storage facilities for one million or more gallons of liquified natural gas or other liquids.			
Please list other impacts:			

IMPACT ON GROWTH AND CHARACTER OF COMMUNITY OR NEIGHBORHOOD

19. Will Proposed Action affect the character of the existing Community? _X_ Yes ___ No

IMPACT ON GROWTH AND CHARACTER OF COMMUNITY OR NEIGHBORHOOD (Examples that would apply to column 2)	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change (Enter Yes or No)
The population of the city, town or village in which the project is likely to grow by more than 5% of resident human population.			
The municipal budgets for capital expenditures or operating services will			

increase by more than 5% per year as a result of this project.			
Will involve any permanent facility of a non-agricultural use on more than one acre in an agricultural district or remove more than 10 acres of (prime) agricultural lands from cultivation.			
Proposed Action will replace or eliminate existing facilities, structures or areas of historic importance to the community.			
Development will in induce an influx of a particular age group with special needs.			
Proposed Action will set an important precedent for future projects.			
Proposed Action will relocate 15 or more employees in one or more businesses.			
Please List other impacts: **Preservation of 15.8 ± acres for active recreational purposes for all Suffolk County residents.**	**X Beneficial**		

PUBLIC INPUT

20. Is there public controversy related to Potential Adverse Environmental Impacts? ___ Yes **X** No

Either government or citizens of adjacent communities have expressed opposition or rejected the project or have not been contacted.			
Objections to the project from within the community.			
Please list other impacts:			

If Any Action in Part 2 Is Identified as a Potential Large Impact or If You Cannot Determine the Magnitude of Impact, Proceed to Part 3

Determination of Significance

Portions of EAF completed for this project: x Part 1 x Part 2 ___ Part 3

Upon review of the information recorded on this EAF (Parts 1, 2 and 3) and considering both the magnitude and importance of each impact, it is reasonably determined that:

A. The project will result in no major impacts and, therefore, is one which may not cause significant damage to the environment. **Prepare a negative declaration:**

B. **For unlisted actions only.** Although the project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described in Part # have been included as part of the proposed project. **Prepare a CONDITIONAL negative declaration:**

C. The project will result in one or more major adverse impacts that cannot be reduced and may cause significant damage to the environment. **Prepare a positive declaration , proceed with EIS:**

Signature of Preparer (if different from responsible officer) Date November 27, 2013

Signature of Responsible Officer in Lead Agency Date November 27, 2013

Print or Type Name of Responsible Officer in Lead Agency

Suffolk County Legislature
Name of Lead Agency

Part 3 - Responsibility of Lead Agency

Evaluation of the Importance of Impacts

Information

Part 3 is prepared if one or more impact or effect is considered to be potentially large.

The following has been completed for each impact or effect identified by the Suffolk County CEQ at their public meeting on December 11, 2013:

1. ***Attached are the 12/11/2013 CEQ minutes for this project. These minutes identified potential impacts/effects for additional study.***

2. ***See attached documentation for each of the identified potential impacts/effects for additional information as to how the impacts will be mitigated or reduced.***

3. ***The above identified potential adverse environmental impacts are not determined to be significant and therefore, in SEQRA Terminology, not "important" to the community.***

Determination of Significance

An action is considered to be significant if:

One (or more) impact(s) is determined to **be** (both) **large** and its (their) consequence, based on the review above, is **important.**

The Project will not result in a significant adverse impact to the environment (Negative Declaration)

Part 3 Statements

(Continue on Attachments, as needed)

See attached

Recommended Type 1 Actions:

A. Proposed Acquisition of Land by Suffolk County for Active Recreation Purposes known as the Board of Education Middle Country Central School District #11 Property – Boyle Road, Town of Brookhaven

A presentation regarding the project was given at the meeting by Lauretta Fischer, Principal Environmental Analyst with the Suffolk County Department of Economic Development and Planning. Ms. Fischer described that this property is being acquired for active recreation. It was noted that the project includes a multiuse sports field, two baseball fields, two basketball courts, three tennis courts and parking lots. It was also stated that Suffolk County will pay for the acquisition of the property and that the Town of Brookhaven will be responsible for park improvements and maintenance. Additional project information was also provided by Kevin LaValle an Aide to Suffolk County Legislator Muratore and newly elected Brookhaven Town Councilman.

After much discussion regarding the details of the acquisition it was determined that more detailed environmental information was required. Mr. Freleng, Chief Planner with the Suffolk County Department of Economic Development and Planning offered a suggestion to do an expanded Part 3 on the Environmental Assessment Form (EAF) rather than recommending doing a full Environmental Impact Statement. The CEQ agreed with Mr. Freleng and the CEQ decided to table the project so that an expanded EAF Part 3 section could be completed. The CEQ stated that the following additional information should be included in the expanded Part 3 section of the EAF:

- Additional information regarding the existing vegetation on the subject property
- Information regarding the proposed project's impact on traffic in the surrounding area
- Information regarding the proposed lighting for the property and how this lighting will be screened to mitigate impacts on the surrounding neighbors
- Information regarding local community support for the proposed project including copies of the discussed community letters
- Suffolk County Legislative Meeting Minutes relating to the acquisition to provide information relating to the financial implications of the proposed project

Mr. Bagg made a motion to table the proposed project pending the preparation of an expanded EAF Part 3. Mr. Swanson seconded the motion. Motion Carried.

Addendum A

EXHIBIT No.I

Town of Brookhaven
Middle Country Athletic Fields

Prepared By:
L.K. McLean Assoc., P.C.
Consulting Engineers
417 So. Country Road, Brookhaven, NY

July 2013

Addendum B

Boyle Road Property Description

This park will consist of four little league ball field that have regulation little league dimensions which will be located on the western and eastern portions of the property, one softball field that has regulation fast pitch dimensions which will be located in the middle of the property, two multipurpose fields that are 380' x 210' which will be located in the northerly portion of the property, an area has been set aside to have the ability to be used as a softball field with regulation fast pitch dimensions or a multiuse playing field that is 380' x 210' which will be located on the southerly portion of the property, a playground enclosed by fencing that measures +/- 80' x 110' which will be located on the eastern portion of the property, a parks building with restrooms that measures +/- 80' x 110' which will be located in the center of the property, a fence separating the school property from the proposed park is shown on the southerly portion of the property, a parking lot with 56 stalls two of which are ADA will be located on the southerly portion of the property, a parking lot with 176 stalls four of which are ADA will be located on the easterly portion of the property, tree lines are also shown to be around the boarder of the property to act as a buffer between the park and the surrounding community and included throughout the property is a 4' wide walking trail.

*This description includes both the Town and County owned parcels to the north and west of the subject property.

COUNTY OF SUFFOLK

STEVEN BELLONE
COUNTY EXECUTIVE

DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING

JOANNE MINIERI
DEPUTY COUNTY EXECUTIVE AND COMMISSIONER

DIVISION OF PLANNING
AND ENVIRONMENT

MEMORANDUM

TO: Phyllis Benincasa, Acquisition Agent

FROM: John Corral, Planner JC

DATE: October 29, 2013

SUBJECT: Phase I Environmental Site Assessment Review
Boyle Road Property
Board of Education Middle Country Central School District #11
0200-392.00-04.00-016.000 p/o

Please be advised that we have reviewed the Phase I Environmental Site Assessment for the above referenced property transmitted by your office. The assessment prepared by Nelson, Pope & Voorhis, LLC is in compliance with the 11/25/08 Environmental Site Assessment Criteria required by the Suffolk County Department of Economic Development and Planning and Division of Real Estate. Based on the information within the assessment concerning the recent site survey, the review of existing EPA, NYSDEC and Suffolk County Department of Health Services' records in relation to toxic and hazardous waste sites, as well as the historical review of the site and its surrounding areas, it appears that the property in question does not contain recognized environmental conditions.

It is however recommended that the following issue be addressed prior to acquisition:

1) The Phase I Environmental Site Assessment noted that the majority of the subject property was littered with assorted residential trash and construction debris. All of this debris should be removed and properly disposed of prior to acquisition.

If the Planning Division can be of further help in this matter, please let us know.

JHC/cd

cc: Sarah Lansdale, Director of Planning
Andrew Freleng, Chief Planner
Lauretta Fischer, Principal Environmental Analyst
Janet Longo, Acquisition Supervisor
Robert Braun, Deputy Bureau Chief, Real Estate Condemnation Bureau

H LEE DENNISON BUILDING 4TH FLOOR • 100 VETERANS MEMORIAL HWY., HAUPPAUGE, NY 11788 • P: (631) 853-5191 • F: (631) 853-4044

Intro. Res. No. – 2013 Laid on Table
Introduced by Presiding Officer on request of the County Executive

RESOLUTION NO. -2013 AUTHORIZING THE ACQUISITION OF LAND UNDER THE NEW SUFFOLK COUNTY DRINKING WATER PROTECTION PROGRAM (EFFECTIVE DECEMBER 1, 2007) – ACTIVE RECREATION / HAMLET PARK / HISTORIC AND/OR CULTURAL PARK COMPONENT - FOR THE BOARD OF EDUCATION MIDDLE COUNTRY CENTRAL SCHOOL DISTRICT #11 PROPERTY – BOYLE ROAD (TOWN OF BROOKHAVEN - SCTM#0200-392.00-04.00-016.000 p/o)

WHEREAS, Local Law No. 24-2007, "A Charter Law Extending and Accelerating the Suffolk County ¼% Drinking Water Protection Program for Environmental Protection," Section C12-2(A)(1) authorized the use of 31.10 percent of sales and compensating tax proceeds generated each year for environmental protection, as determined by duly enacted Resolutions of the County of Suffolk; and

WHEREAS, adequate funding is provided for, pursuant to Section C12-2(A)(1) of the SUFFOLK COUNTY CHARTER, from 31.10 percent of the sales and compensating tax proceeds, for the acquisition of such land; and

WHEREAS, Resolution No. 990-2011, authorized planning steps for the acquisition of said property; and

WHEREAS, the Environmental Trust Review Board has reviewed the appraisals and the report of the Internal Appraisal Review Board and has approved the purchase price and authorized the Director of Real Property Estate to negotiate the acquisition; and

WHEREAS, based upon the Environmental Trust Review Board approved value, an offer to acquire the subject property was made to and accepted by the owner of said property; and

WHEREAS, contracts to acquire said property were prepared by the office of the County Attorney, executed by the owner of the subject property and the Director of Real Estate and approved as to legality by the Office of the County Attorney; now, therefore, be it

1st RESOLVED, that the County of Suffolk hereby approves the acquisition of the subject property set forth below under the New Suffolk County Drinking Water Protection Program, effective as of December 1, 2007, Active Recreation / Hamlet Park/ Historic and/or Cultural Park component, for a total purchase price of [redacted] per acre, for 15.8± acres, subject to a final survey; and hereby authorizes additional expenses, which shall include, but not be limited to, the cost of surveys, appraisals, environmental audits, title reports and insurance, and tax adjustments:

PARCEL:	SUFFOLK COUNTY TAX MAP NUMBER:		ACRES:	REPUTED OWNER AND ADDRESS:
No. 1	District	0200	15.8±	Board of Education
	Section	392.00		Middle Country Central School
	Block	04.00		District #11
	Lot	016.000 p/o		#8 43rd Street
				Centereach, NY 11720

; and, be it further

2nd **RESOLVED**, that the Director of the Division of Real Estate and/or her designee, is hereby authorized, empowered, and directed, pursuant to Section C42-3(C)(3) of the SUFFOLK COUNTY CHARTER, to acquire the parcel(s) listed herein above from the reputed owner, the funding for which shall be provided under the New Suffolk County Drinking Water Protection Program, effective December 1, 2007, Active Recreation / Hamlet Park / Historic and/or Cultural Park component, Section C12-2(A)(1)(i) of the SUFFOLK COUNTY CHARTER, for the County's purchase price of [redacted], subject to a final survey; and, be it further

3rd **RESOLVED**, that the County Comptroller and County Treasurer are hereby authorized to reserve and to pay [redacted] subject to a final survey, from previously appropriated funds in capital project 525-CAP-8714.211 for the New Suffolk County Drinking Water Protection Program, effective as of December 1, 2007, Active Recreation / Hamlet Park / Historic and/or Cultural Park component, Section C12-2(A)(1)(i) of the SUFFOLK COUNTY CHARTER, for this acquisition; and, be it further

4th **RESOLVED**, that the Director of Real Estate and/or her designee; the County Planning Department; and the County Department of Public Works are hereby authorized, empowered, and directed to take such actions and to pay such additional expenses as may be necessary and appropriate to consummate such acquisition, including, but not limited to, securing appraisals, title insurance and title reports, obtaining surveys, engineering reports and environmental audits, making tax adjustments and executing such other documents as are required to acquire such County interest in said lands; and, be it further

5th **RESOLVED**, that the acquisition of such parcel(s) is for the following purpose as set forth under Section C12-2(A)(1)(i) of the SUFFOLK COUNTY CHARTER:

i.) active recreational park – ball fields/playground

6th **RESOLVED**, that the subject parcel(s) shall be transferred to the County Department of Parks, Recreation and Conservation for active recreational use including ball fields, multiuse sports fields, tennis courts, basketball courts, playground area, picnic areas, restrooms and parking areas; and, be it further

7th **RESOLVED**, the County of Suffolk, through its Department of Parks, Recreation and Conservation shall negotiate and enter into a municipal cooperation agreement with the Town for the management of this acquisition, consistent with this program, and the terms and conditions thereof shall be approved by the Suffolk County Attorney in consultation with the respective Commissioner of the County Department of Parks, Recreation and

Conservation, who charged with the management and operation of said property; and, be it further

8th **RESOLVED**, that the above activity is a Type I action pursuant to the provisions of Title 6 NYCRR, Part 617; and, be it further

9th **RESOLVED**, that the project will not have a significant effect on the environment for the following reasons:

1.) the proposed action will not exceed any of the criteria of 6 NYCRR, Section 617.7, which sets forth thresholds for determining significant effect on the environment, as demonstrated in the Environmental Assessment Form; and

2.) the proposed use of the subject parcel(s) is active recreation – ball fields/playground; and

3.) if not acquired, the property will most likely be developed for residential purposes; incurring far greater environmental impact than the proposed acquisition and preservation of the site would have; and, be it further

10th **RESOLVED**, that in accordance with Section 450-5(C)(4) of the SUFFOLK COUNTY CODE, the Suffolk County Council on Environmental Quality is hereby directed to prepare and circulate any appropriate notices or determinations in accordance with this resolution.

DATED:

APPROVED BY:

_____

County Executive of Suffolk County

Date of Approval:

BOARD OF EDUCATION MIDDLE COUNTRY CENTRAL SCHOOL DISTRICT #11 PROPERTY - BOYLE ROAD
SCRPTM# 0200-392.00-04.00-016.000 p/o
New Suffolk County Drinking Water Protection Program (Effective December 1, 2007) Section C12(A)(1)(i) - Active Recreation
+/- 15.8 of 21.30 acres - Hamlet of Selden, Town of Brookhaven

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SUFFOLK COUNTY
Hon. Steven Bellone
NEW YORK

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Proposed Acquisition

Town of Brookhaven

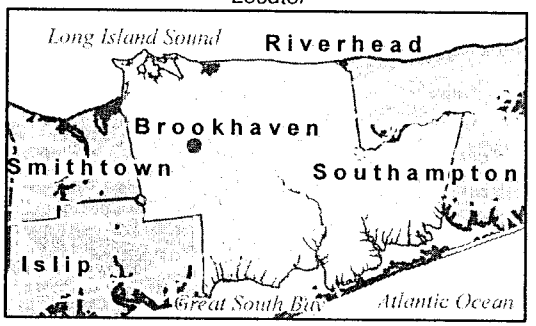
Proposed Cut-Out from Acquisition

SCRP Tax Map Base

Suffolk County Parkland

Property is entirely within Hydrogeologic Zone III (deep acquifer recharge)

Locator



November 27, 2013 - KM

0 145 290 580 870 1,160 Feet

1 inch = 320 feet

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Real Property Taxmap parcel linework used with permission of Suffolk County Real Property Tax Service Agency (R.P.T.S.A.). This rendering is a DRAFT MAP in that 1) the data displayed is an interagency or intra agency work* produced for the purpose of identifying and correcting data. It is not a final agency determination. It is not statistical or factual compilation of data. In some cases correct data has been left out and questionable or inaccurate data has been exaggerated to help identify errors. In short, this is a DRAFT MAP produced in an effort to aid in the correction of data and is not held out as being complete or accurate in any way.

*excerpted from (F.O.I.L.) the provisions of the Freedom of Information Law [Public Officers Law Article 6 Section 84-90] by section 87.2 g

BOARD OF EDUCATION MIDDLE COUNTRY CENTRAL SCHOOL DISTRICT #11 PROPERTY - BOYLE ROAD
SCRPTM# 0200-392.00-04.00-016.000 p/o
New Suffolk County Drinking Water Protection Program (Effective December 1, 2007) Section C12(A)(1)(i) - Active Recreation
+/- 15.8 of 21.30 acres - Hamlet of Selden, Town of Brookhaven

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SUFFOLK COUNTY
Hon. Steven Bellone
NEW YORK

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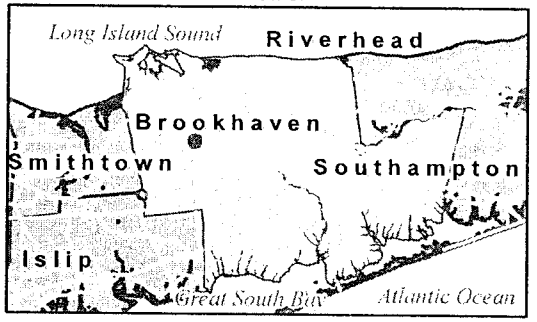
- Proposed Acquisition
- Town of Brookhaven
- Proposed Cut-Out from Acquisition
- SCRP Tax Map Base
- 5 ft. Elevation Contours
- Suffolk County Parkland

Property is entirely within Hydrogeologic Zone III (deep acquifer recharge)

Locator



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New Suffolk County Drinking Water Protection Program (Effective December 1, 2007) Section C12(A)(1)(i) - Active Recreation
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Digital Orthoimagery © 2010 New York State Office of Cyber Security .

SUFFOLK COUNTY
Hon. Steven Bellone
NEW YORK

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Proposed Cut-Out from Acquisition

Proposed Acquisition

Suffolk County Parkland

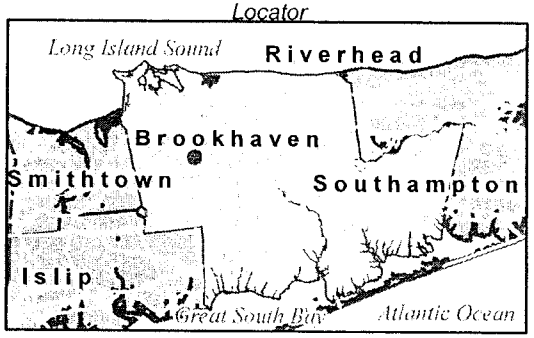
Town of Brookhaven

SCRP Tax Map Base

Natural Resources Conservation Service, United States Department of Agriculture. Soil Survey Geographic (SSURGO) Data

Property is entirely within Hydrogeologic Zone III (deep acquifer recharge)

Locator



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November 27, 2013 - KM

0 145 290 580 870 1,160 Feet

1 inch = 320 feet

Ecological Assessment of Property (SCTM# 0200-392.00-04.00-016.000)

January 14, 2014

As a follow-up to a request by Town of Brookhaven Councilman Kevin LaValle I visited the above-referenced site this morning for the purpose of characterizing the environmental and ecological conditions found there including most notably, the site's vegetation and flora. My findings are below:

The vegetation on the site is dominated by several species of tree oaks in varying abundance and include White Oak (*Quercus alba*), Scarlet Oak (*Quercus coccinea*), and Black Oak (*Quercus velutina*). No shrub oak species were obseed although they may occur here as scattered individuals. The oak trees are of assorted ages and the largest seen had approximately a one foot diameter-breast-height (DBH). Canopy coverage was estimated at between 50%-80%. Scattered Pitch Pines (*Pinus rigida*) occur primarily in the southwestern corner of the property with a few older specimens and pine saplings and seedlings scattered about the understory. A few Red Cedar (*Juniperus virginiana*) occur in the northern portion of the site adjacent to the Town's ballpark. The vegetative understory is sparse to non-existent. In places where there are understory plants several species of heath species are found including several species of lowbush blueberries (*Vaccinium*, spp.) and Black Huckleberry (*Gaylussacia baccata*). No plant species found on the list of New York State Protected Plants were observed. Based on this visit the vegetation most closely matches the Pitch pine-oak-heath woodland community described in the New York Natural Heritage Program, with a G3G4, S2S3 ranking. This forest community is the most common upland community type occurring in the Long Island Pine Barrens.

No wetlands were observed or are known to occur on the subject property.

During the site visit observed wildlife was limited to one flying Blue Jay (*Cyanocitta cristata*) and an unidentified lightly colored moth that was fluttering adjacent to a black oak (perhaps a winter geometrid moth). No signs of wildlife (e.g. bark rubbings, bird nests or nesting dens, droppings, browsed twigs, etc.) were observed during the visit. Given the small size of the property, its location within an extensively developed landscape, and the vegetation on-site I would expect wildlife species to be generally limited to Grey squirrels (*Sciurus carolinensis*), Eastern Cottontails (Sylvilagus floridanus), perhaps Red Fox (*Vulpes vulpes*) and Eastern Woodchuck (*Marmota monax*), and several small microtine species such as voles (*Microtus* spp) and white-footed mice (*Peromyscus leucopus*). Bird species that would be expected to forage or breed in the subject property include several woodpecker species, perhaps an occasional bird-of-prey, and several species of songbirds including thrushes, sparrows, and warblers. During the fall and spring migratory seasons the property likely provides foraging habitat for many more species.

Regarding reptiles several snake species may occur including Easter Garter snakes (*Thamnophis sirtalis*) and perhaps Eastern Box Turtles, although the isolated and disturbed nature of the site probably precludes their presence. The absence of water probably precludes the presence of any amphibians with the possible exception of Fowler's Toads (*Bufo fowleri*) which can move significant distances upland away from a breeding water source.

The site is significantly disturbed by numerous bike trails that dissect the property including several sets of extensive dirt bike jumps, numerous depressions (presumably play forts), and litter.

John Turner

Boyle Road Property – S.C.R.P.T.M.# 0200-392.00-04.00-016.000 p/o

Town of Brookhaven
Long Island

Daniel P. Losquadro, Highway Superintendent

MEMO TO: Councilman Kevin LaValle

FROM: Jon Sullivan, Division of Traffic Safety
Raymond DiBiase, PE, PTOE, L.K. Mc Lean Associates

DATE: January 14, 2014

RE: Proposed Park, Middle Country School District Property
Northwest corner of the Intersection of Boyle Road and Hawkins Road, Selden

As requested, we have conducted a cursory review of potential traffic impacts associated with a proposed park at the above noted location. The park would ultimately encompass approximately 25 acres and would include two multi-purpose/soccer sports fields, two regulation-size baseball fields, two Little League baseball fields, three tennis courts, and two basketball courts, as shown on the attached Exhibit 1.

Based on trip generation data published by the Institute of Transportation Engineers (and the City of San Diego) for the City Park land use category, the facility would ultimately generate a maximum of 4.5 trip-ends per acre in the peak hour, or a maximum of 113 trip-ends. With a trip-end being the total of trips entering and exiting a site, using a 50% split for entering or exiting trips will equate to about 55-60 additional vehicles entering and exiting the site in the peak hour. This analysis is conservative in that it does not take a credit for park users who will arrive by bus—Suffolk County Transit's 6B Route passes the site on both Hawkins Road and Boyle Road, and connects with County Bus Route S60 in Terryville. Considering that bus trips could reduce vehicular trip generation by 10%, or to about 50-55 additional vehicles entering and exiting the site in the peak hour.

The park's potential traffic impact will be greatest at the adjacent Hawkins Road/Boyle Road intersection, and is determined by an intersection capacity analysis performed for the peak hour. Motorists will have access to the park on Hawkins Road to west of the intersection, and on Boyle Road north of the intersection. If the origins of park users with respect to the site were equal by cardinal direction, one could expect that 25% of park users will each come from the west and north, and will not have to pass through the intersection. Not knowing the exact origins, assuming that 20% come from each direction (total of 40%), then the number of vehicles travelling to and from the site via the intersection in the peak hour will be reduced to about 35 vehicles in each direction.

Several years ago, a draft Traffic Safety Study was performed for the intersection by L.K. Mc Lean Associates, based on traffic data collected in 2008. The data indicated that in the peak weekday hour (evening) a total of 1,645 vehicles passed through the intersection. The projected increase of about 70 vehicles represents less than 4.3% of the total intersection volume in 2008 (and likely a smaller percentage of today's total volume, since traffic volumes may have grown on the order of 5% over the last five years). While this gives an approximate

magnitude of the project's impact, an intersection capacity analysis, which would be based on an assignment of the 70 additional vehicles to individual through and turning movements on the approaches to the intersection, will give a quantifiable assessment of the impact. That being said, based on the magnitude of the increased traffic volume, it is likely that the analysis will conclude that the project would have a minor traffic impact.

The prior study suggested signal timing and other traffic operational improvements that could optimize the capacity of the intersection, as well as some safety improvements. Some of these have been implemented since 2008.

It is interesting to note that the study also suggested that, if property could be acquired from the school district in the northwest quadrant of the intersection, and two utility poles relocated, a right turn lane can be constructed for the southbound Boyle Road-to-westbound Hawkins Road turning movement. This has the potential to significantly improve the intersection's capacity; in any event it should completely offset the impact of the additional traffic generated by the park.

RD:rd

Cc: Daniel P. Losquadro, Highway Superintendent

HIGHWAY DEPARTMENT
Department of Traffic Safety & Streetlighting
REBUILDING BROOKHAVEN ONE ROAD AT A TIME
One Independence Hill • Farmingville • NY 11738
Phone (631) 451-6480 • Fax (631) 451-6256 • www.brookhaven.org

LKMA

L. K. McLean Associates, P.C.

437 South Country Road • Brookhaven • New York • 11719

(631) 286-8668 • FAX (631) 286-6314

CONSULTING ENGINEERS

EUGENE F. DALY, P.E., P.T.O.E.™, PRESIDENT and C.E.O.
RAYMOND G. DiBIASE, P.E., P.T.O.E.™, EXECUTIVE VICE PRESIDENT
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ANDREW B. SPEISER

COPY

August 24, 2010

Ms. Lynn Weyant
Director of Traffic Safety
Town of Brookhaven
One Independence Hill
Farmingville, New York 11738

Re: Traffic Safety Study for Hawkins Road & Boyle Road

Dear Ms. Weyant,

LKMA has conducted a traffic safety study for the signalized intersection at Hawkins Road & Boyle Road in Selden. Currently, the signal operates at a Level of Service (LOS) of a "D". The Level of Service is analogous to a "Report Card" of intersection operation, with a Level "A" being excellent, "B" being good, "C" being acceptable, "D" being barely acceptable, "E" indicating that the intersection is reaching its capacity, and "F" indicating failure, or long traffic queues or delays.

During the morning peak period, there are just as many right turning vehicles as there are thru moving vehicles on the southbound approach. This poses a two faced problem. First, due to the large amount of right turning vehicles, the delays experienced in the southbound direction are unusually high, thus deteriorating the LOS for the entire intersection, which in turn creates very large queues and delays. Second, there are numerous rear end accidents which occur in the southbound direction at this signalized intersection.

One of the mitigation measures which would significantly reduce both the longer delays and queues associated with this southbound approach, would be to add a dedicated right turn lane. This measure would improve the overall level of service of the intersection, and should decrease the number of rear end accidents which also occur.

The northwest quadrant of this intersection is owned by the Union Free School District No. 11 (Hawkins Path Elementary School). In order to construct this dedicated right turn lane, the Elementary School would have to dedicate a minor portion of their property to the Town of Brookhaven in order to add this effective mitigation measure. Due to the fact that there are no physical constraints which would impact the construction of this additional southbound lane, it would provide for a timely correction to an existing problem which will only get worse as time goes on.

Providing the Elementary School agrees to dedicate the necessary property in order to construct this southbound right turn lane, LKMA can readily provide the design plans for construction, upon approval.

If you have any further questions regarding this project or need additional information, please feel free to contact me at any time.

Very truly yours,

Steven W. Eisenberg, P.E.
Associate

cc: Brian Lenz, Assistant Director, Division of Traffic Safety, Town of Brookhaven
LKMA File

Town of Brookhaven
Long Island

Brian X. Foley, Supervisor

COPY

TO: Councilwoman Kathleen Walsh

FROM: Lynn Weyant, Director

DATE: April 11, 2007

RE: **Hawkins Rd. Project - Boyle Rd. at Hawkins Rd. Traffic Signal Summary**

The Towns Traffic Signal Contractor has completed the interconnect project on Hawkins Rd., between Old Town Rd. & Wireless Rd., Centereach/Selden. During this project, it was determined that the traffic signal and pedestrian crossing equipment at Boyle Rd. and Hawkins Rd. needed to be repaired and upgraded.

As a result of this determination, a Traffic Safety Study was conducted that included turning movement counts during the AM and PM peak periods, queue and capacity analysis, accident analysis, roadway geometry and site distance.

The following issues needed to be resolved with the new design:

1) Current phasing resulted in long queues (16 vehicles) and approach delays.
   The traffic signal operated at a Level Of Service (LOS) "E" & "F" overall LOS "D".
2) Existing protected left turn phasing is not warranted as per AASHTO/ITE/MUTCD standards.
3) All pedestrian equipment and signal heads needed to be replaced.
4) Heavy right turn movements obstructed the thru movements (heavier North and South).
5) Intersection experienced approximately 5 accidents (NYSDOT CLASS Data) each year, which placed it on the New York State High Frequency Accident List.
6) The existing phasing minimized the bandwidth needed to coordinate the Hawkins Rd. phase.

As a result:

1) The fully protected left turns have been replaced with protected-permissive operation to be more efficient and address current traffic demands while maintaining safety. Analysis shows shorter queues and approach delays improving the LOS "E" & "F" to an overall LOS improved to "C".
2) Pedestrian equipment and signal heads replaced with LED style faces (new technology that improves visibility and lighting longevity).
3) Pedestrian buttons provide a separate phase without conflicting right turn overlaps or protected lefts.
4) Both Hawkins Rd. and Boyle Rd. have been resurfaced and re-stripped w/appropriate turning transition lengths.

Department of Planning, Environment & Land Management
David W. Woods, AICP, Commissioner
Division of Traffic Safety
Lynn Weyant, Director
One Independence Hill • Farmingville • NY 11738
Phone (631) 451-6480 • Fax (631) 451-6256 • NY 11738 • www.brookhaven.org

Field visits took place on the 13th, 14th, 15th, & 16th of March to observe and discuss the changes with the crossing guards. Traffic Safety observed the crossing guards not using the pedestrian push buttons to assist them in crossing pedestrians, even after several attempts to inform them to do so. Alternatives have been discussed to assist the crossing guards if they continue to have issues here in the future. (All Red Ped Phase – Barnes Dance or advanced WALK Phase). However, the crossing guards must use the pedestrian push buttons to safely cross pedestrians.

The signal work at the intersection has just been completed and now can be monitored for safety and efficiency. A field meeting with Traffic Safety and Hinck Electric occurred (March 27th 2007) at this location between 7:30 and 9:15 AM to observe the signal timing, operation and crosswalks. We observed the crossing guards NOT utilizing the pushbuttons but proceeding to stop all traffic to cross pedestrians (there were 2 individuals and 1 group of 4 with a baby carriage crossing during our 1 hr. 45 min. of observations). The field check verified that the warning signs identifying "New Traffic Signal Patterns" have been installed on all approaches to Boyle Rd. and Hawkins Rd.

Some timing parameters were adjusted to handle the additional southbound traffic during the morning and evening peak periods (split timing). At no time did a vehicle wait for more than 1 cycle, all queues dissipated within their green time and all previous construction issues have been eliminated. This signal and all others between Hammond Rd. and Old Town Rd. are interconnected via a spread spectrum system and are currently now in operation based on a 30 to 35 mph speed with an approximate 25 second bandwidth.

If you have any questions on this matter, please feel free to contact me.

LW/BSL/dab
cc: David W. Woods, AICP, Commissioner, P.E. & L.M.
Paul G. Rogalle, Assistant Director, Traffic Safety
Inspector Frank Stallone, S.C.P.D., Sixth Precinct

DRAFT

COPY

TRAFFIC SAFETY STUDY

for

HAWKINS ROAD & BOYLE ROAD

Prepared for

TOWN OF BROOKHAVEN

DIVISION OF TRAFFIC SAFETY

LKMA

L.K. McLEAN ASSOCIATES, P.C.

GENERAL DESCRIPTION

Hawkins Road runs east/west from Mark Tree Road to Old Town Road. It is a minor town collector road that carries moderate volumes during the day. Residents use this road to get to two north/south major County Highways, CR 97 (Nicolls Road) and CR 83 (North Ocean Avenue). The area is primarily residential with homes along most of the road on the north and south sides. Hawkins Road also serves the Hawkins Path Elementary School and the North Selden Fire House Substation.

Existing observations yield good pavement markings, new LED signal faces at the signal at Boyle Road, and signals at Ruland Road to the east and Linwood Road to the west. This intersection is the master in a coordinated signal system running from Hammond Road to the west and Old Town Road to the east. Traffic along Boyle Road is also moderate at peak times and during school release times in the afternoon. Heavy vehicle traffic is light and bus traffic peaks between 2:00 p.m. and 3:30 p.m.

Accident data shows 36 total accidents from 2005 to 2008. The predominate type of accident involved rear-end collisions which accounted for 19 out of the 36 total accidents recorded. The next highest type of accident was right angle accidents at (4) and left turn accidents at (3) each. There are no apparent serious intersection deficiencies which are attributable to this high rear-end accident rate. The sight distance is good and speeding doesn't appear to be a factor. The traffic signal clearance times are all suitable for the entire intersection. The yellow clearance times range from 3.0 seconds to 3.5 seconds, and the all red clearances are 1.0 second for the lefts and 2.0 seconds for the thru vehicles.

The intersection of Hawkins Road and Boyle Road is a four legged intersection with thru and left turn lanes on all approaches. It is currently controlled by an 8 phase actuated traffic signal with the east/west legs coordinated along Hawkins Road. There are currently protected/permissive left turn phases for all directions. The intersection is adjacent to Hawkins Path Elementary School on the northwest corner. The traffic signal has pedestrian crossings on the north, south, and west legs of the intersection, which also have pedestrian signals. The intersection has 12' thru lanes and 11' left turn lanes for all directions, and right turn lanes for the eastbound and westbound approaches. Both approaches have good sight distance and the speed limit is posted at 30 mph for all legs.

The area is primarily residential with a professional office building on the northeast corner. There is no on street parking on all four approaches and except for school release times, parking is not a problem. There are sidewalks on all four corners and pedestrians cross from all corners except for school release times which has students crossing on the west side from north to south with the help of school crossing guards. There are two crossing guards who stand on the southwest corner. Crosswalks and painted flush islands provide the pedestrians with defined crossing areas that are clearly marked and slightly worn out. All other lane markings are clear and provide for an acceptable alignment of all receiving lanes on all approaches. The signal displays are 12" LED faces with good visibility in all directions. The stop lines are also clearly marked out with good viewing of signals. There are "No Turn on Red" signs for all right turn lanes.

TRAFFIC SIGNAL OPERATION

The traffic signal is currently running a 70 second cycle for all three time periods of the day. The left turn phases are controlled by loops in each of the left turn lanes and the maximum times are set for 8 seconds each. The north/south phases 4 & 8 are also controlled by stop line presence loops with a maximum time of 25 seconds. The pedestrian walk and clearance times are 7 seconds & 21 seconds for the north/south crossings and 7 seconds & 14 seconds for the east/west crossings, respectfully. The signal rests in phases 2 & 6 for east/west Hawkins Road, and any unused times will extend phases 2 & 6. This signal is the master in an 11 signal system running along Hawkins Road. All signal equipment at this location is in operating condition with all vehicle detectors working. All pedestrian pushbuttons and signals are also working correctly and the timings are sufficient according to the school crossing guards.

The pedestrian signals are of the LED symbol man/hand type. The vehicle signal faces are also of the LED type and the left turn arrows are of the bimodal red/yellow arrow type, all 12" size. The signal phasing was changed from a split phasing; fully protected lefts turn phases, to the current protected/permissive lefts on March 21, 2007. This change allows left turners to turn after the left turn arrow times out as long as the thru green is still timing for each direction. Fully protected left turn phases aren't as efficient as protected/permissive and cause more intersection delays and backups. Allowing left turners to turn on a vehicle gap is going to give a higher level of service (LOS) for each time period of the day. Increasing left turn signal timings will also cause further delays and longer queues in front of residential home driveways.

CONCLUSIONS

Based on the data obtained for this study, it can be seen that the signal is operating as designed to minimize vehicle and pedestrian delays, as well as safely move traffic at times with a good LOS. In looking at the accident types and contributing factors, the accident numbers prior to the 3/21/07 revisions to protected/permissive left turn phases involved more rear end, right angle, or left turn accidents. Since this date, there have been fewer accidents of these types. After observing traffic flows during the school release times, there are some improvements in signal timings and operations that would help.

RECOMMENDATIONS

The following signal, signing, and pavement marking improvements can all help to reduce the potential for any further accidents, as well as improve the overall LOS for this intersection.

- Increase the signal cycle length from 70 seconds to 75 seconds during the school release times as well as during the PM peak periods.
- Add vehicle detectors between the existing loops and the stop lines for the southbound approach. Currently, short vehicles and vehicles that pull past the stop line are not being detected.
- Increase the vehicle clearance times for the left turn phases to 1.5 seconds (all red).
- Consider increasing timings for the eastbound to southbound right turn overlap for phases 2 & 7.
- Re-stripe the worn ladder bars for the existing crosswalk pavement markings, as well as relocate the southbound stop line further up toward the signal.
- Add new "State Law - Yield to Pedestrians in Crosswalk" signs for the north/south crossing.
- Educate the school crossing guards to work with the pedestrian signals, and not hold up vehicles with a green signal.
- The north/south countdown pedestrian signals work well. Consider replacing the rest of the pedestrian signals with these countdown pedestrian signals.
- Installing a driver speed feedback assembly with "20 M.P.H. school panel near the intersection for the southbound approach might help to slow traffic and decrease the amount of rear-end accidents.
- Added police enforcement during school release times and PM peak periods will help better control speeders.
- The southbound right turn volumes are very high in the AM peak period, and if there was a dedicated right turn lane and right turn overlap arrow running with the eastbound to northbound left off of Hawkins Road, the LOS could have the potential for improving significantly. This improvement, however, would mean a R.O.W. taking on the northwest corner and two utility poles having to be relocated.

The existing LOS prior to the 3/21/07 revisions with the fully protected left turn phasing was an "F" for the PM peak period in the eastbound direction. When the signal phasing was changed to protected/permissive lefts, the LOS improved to yield a LOS of a "D" for the eastbound direction, and an overall intersection LOS of a "C" in the PM peak period.

While there are no serious intersection deficiencies, making the improvements described above will result in some reduction of accidents and potential for slowing traffic, as well as decreasing the amount of rear-end accidents presently occurring on these approaches.

TRAFFIC
VOLUME COUNTS

Hawkins Road & Boyle Road
Traffic Safety Study

LKMA Project No. 08088.000

File Name : Hawkins & Boyle Count
Site Code : 00000001
Start Date : 11/20/2008
Page No : 1

Groups Printed- Unshifted - Bank 1

	Boyle Road Southbound					Hawkins Road Westbound					Boyle Road Northbound					Hawkins Road Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
07:00 AM	1	24	30	0	55	5	57	5	1	68	4	22	6	0	32	12	25	7	0	44	199
07:15 AM	10	48	47	0	105	10	87	8	0	105	15	19	4	0	38	12	23	10	0	45	293
07:30 AM	5	58	58	0	121	7	106	5	0	118	16	17	1	0	34	22	48	14	0	84	357
07:45 AM	7	47	33	0	87	10	97	13	0	120	10	24	4	0	38	26	46	8	0	80	325
Total	23	177	168	0	368	32	347	31	1	411	45	82	15	0	142	72	142	39	0	253	1174
08:00 AM	14	43	39	0	96	13	76	6	0	95	20	32	7	0	59	13	37	6	0	56	306
08:15 AM	4	45	26	1	76	8	62	9	0	79	9	38	5	0	52	26	32	10	0	68	275
08:30 AM	5	49	33	0	87	10	65	8	2	85	14	44	4	0	62	23	36	9	1	69	303
08:45 AM	2	32	31	0	65	9	74	3	0	86	9	47	10	3	69	31	32	19	3	85	305
Total	25	169	129	1	324	40	277	26	2	345	52	161	26	3	242	93	137	44	4	278	1189
03:00 PM	12	72	16	0	100	15	68	8	0	91	20	69	11	6	106	44	78	20	0	142	439
03:15 PM	11	52	28	0	91	18	76	12	1	107	24	79	15	4	122	39	68	10	1	118	438
03:30 PM	10	35	29	0	74	11	73	23	0	107	12	57	24	5	98	51	95	27	3	176	455
03:45 PM	10	70	24	0	104	10	52	4	1	67	20	49	24	5	98	49	84	22	13	168	437
Total	43	229	97	0	369	54	269	47	2	372	76	254	74	20	424	183	325	79	17	604	1769
04:00 PM	6	65	20	0	91	8	46	14	2	70	13	70	36	5	124	44	91	25	2	162	447
04:15 PM	11	56	30	0	97	10	62	10	0	82	16	87	13	1	117	58	105	16	0	179	475
04:30 PM	12	57	23	0	92	8	52	12	0	72	23	73	20	0	116	51	102	23	0	176	456
04:45 PM	12	48	31	0	91	17	48	9	2	76	11	72	29	4	116	66	110	22	0	198	481
Total	41	226	104	0	371	43	208	45	4	300	63	302	98	10	473	219	408	86	2	715	1859
05:00 PM	11	57	27	0	95	9	63	5	0	77	17	70	14	0	101	53	87	20	0	160	433
05:15 PM	4	63	22	0	89	16	56	6	0	78	16	84	22	0	122	63	110	22	0	195	484
05:30 PM	10	55	26	0	91	20	64	11	2	97	19	73	17	0	109	51	103	25	0	179	476
05:45 PM	14	55	26	0	95	12	51	16	1	80	20	76	23	3	122	50	83	16	3	152	449
Total	39	230	101	0	370	57	234	38	3	332	72	303	76	3	454	217	383	83	3	686	1842
Grand Total	171	1031	599	1	1802	226	1335	187	12	1760	308	1102	289	36	1735	784	1395	331	26	2536	7833
Apprch %	9.5	57.2	33.2	0.1		12.8	75.9	10.6	0.7		17.8	63.5	16.7	2.1		30.9	55	13.1	1		
Total %	2.2	13.2	7.6	0	23	2.9	17	2.4	0.2	22.5	3.9	14.1	3.7	0.5	22.1	10	17.8	4.2	0.3	32.4	
Unshifted	171	1031	599	1	1802	226	1335	187	12	1760	308	1102	289	36	1735	784	1395	331	26	2536	7833
% Unshifted	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PROJECT NAME: Hawkins Road & Boyle Road Traffic Safety Study

PROJECT No.: 08088.000

INTERSECTION: Boyle Road & Hawkins Road

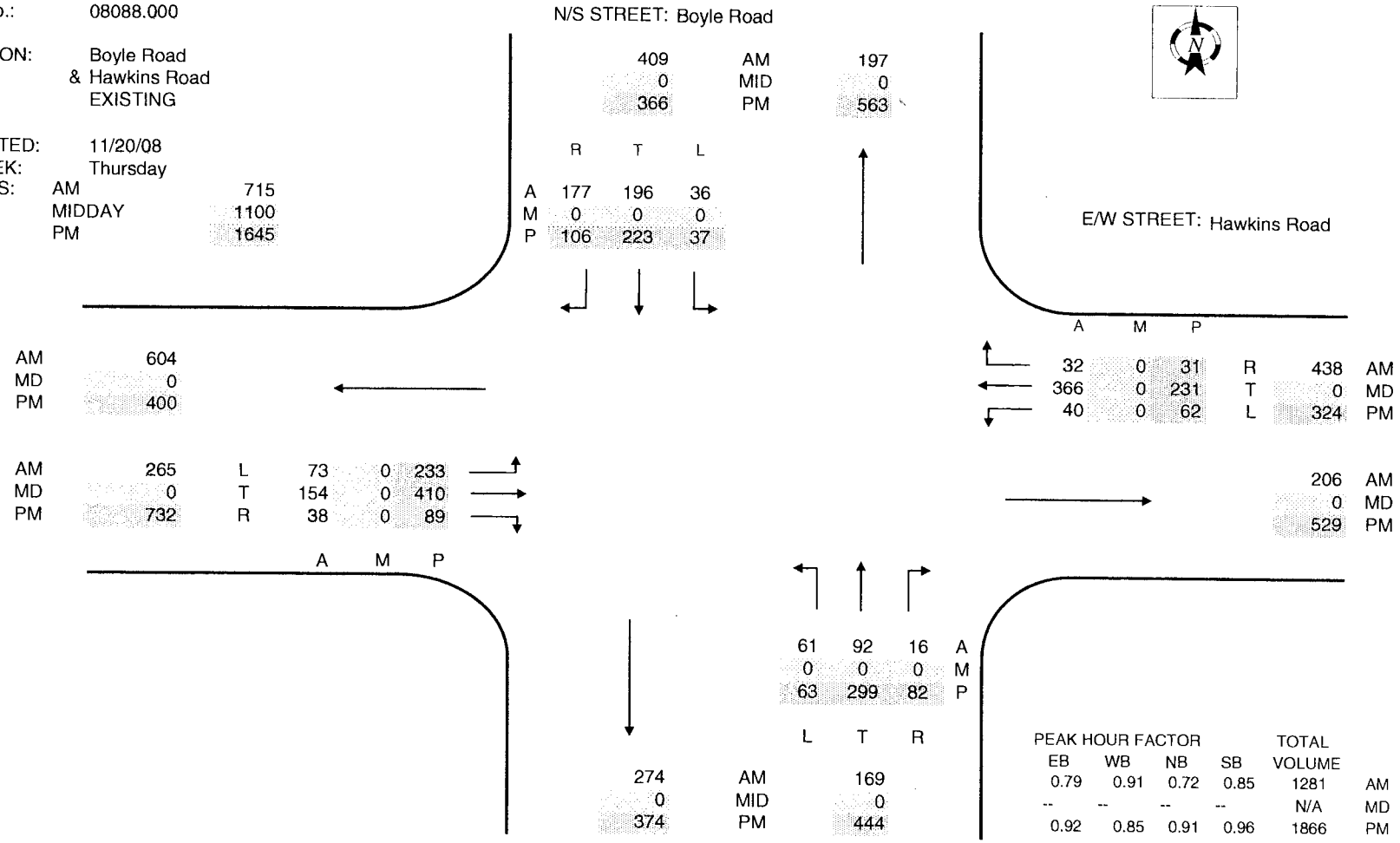
CONDITION: EXISTING

DATE COUNTED: 11/20/08

DAY OF WEEK: Thursday

PEAK HOURS: (START)

AM	715
MIDDAY	1100
PM	1645



PEAK HOUR FACTOR

EB	WB	NB	SB	TOTAL VOLUME	
0.79	0.91	0.72	0.85	1281	AM
--	--	--	--	N/A	MD
0.92	0.85	0.91	0.96	1866	PM

EXISTING
LEVEL OF SERVICE

HCS+™ DETAILED REPORT

General Information		Site Information	
Analyst		Intersection	*Hawkins & Boyle*
Agency or Co.	*LKMA*	Area Type	*All other areas*
Date Performed	*11/20/2008*	Jurisdiction	
Time Period	*8:00-9:00 AM*	Analysis Year	*2008*
		Project ID	*traffic study*

Volume and Timing Input

	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes, N_1	*1*	*1*	*1*	*1*	*1*	*0*	*1*	*1*	*0*	*1*	*1*	*0*
Lane Group	*L*	*T*	*R*	*L*	*TR*		*L*	*TR*		*L*	*TR*	
Volume, V (vph)	*73*	*154*	*38*	*40*	*366*	*32*	*61*	*92*	*16*	*36*	*196*	*177*
% Heavy Vehicles, %HV	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Peak-Hour Factor, PHF	*0.79*	*0.79*	*0.79*	*0.91*	*0.91*	*0.91*	*0.72*	*0.72*	*0.72*	*0.85*	*0.85*	*0.85*
Pretimed (P) or Actuated (A)	*A*	*P*		*A*	*P*		*A*	*A*		*A*	*A*	
Start-up Lost Time, l_1	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*		*2.0*	*2.0*		*2.0*	*2.0*	
Extension of Effective Green, e	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*		*2.0*	*2.0*		*2.0*	*2.0*	
Arrival Type, AT	*3*	*3*	*3*	*3*	*3*		*3*	*3*		*3*	*3*	
Unit Extension, UE	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*		*3.0*	*3.0*		*3.0*	*3.0*	
Filtering/Metering, I	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*		*1.000*	*1.000*		*1.000*	*1.000*	
Initial Unmet Demand, Q_b	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*		*0.0*	*0.0*		*0.0*	*0.0*	
Ped / Bike / RTOR Volumes	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Lane Width	*10.0*	*11.0*	*11.0*	*11.0*	*11.0*		*10.0*	*15.0*		*10.0*	*11.0*	
Parking / Grade / Parking	*N*	*0*	*N*	*N*	*0*	*N*	*N*	*0*	*N*	*N*	*0*	*N*
Parking Maneuvers, N_m												
Buses Stopping, N_B	*0*	*0*	*0*	*0*	*0*		*0*	*0*		*0*	*0*	
Min. Time for Pedestrians, G_p	*19.2*			*19.2*			*23.5*			*3.2*		

Phasing	Excl. Left	Thru Only	03	04	Excl. Left	Thru Only	07	08
Timing	G = *5.5*	G = *17.0*	G =	G =	G = *7.5*	G = *21.0*	G =	G =
	Y = *4*	Y = *5.5*	Y =	Y =	Y = *4*	Y = *5.5*	Y =	Y =
Duration of Analysis, T = *0.25*						Cycle Length, C = *70.0*		

Lane Group Capacity, Control Delay, and LOS Determination

	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate, v	*92*	*195*	*48*	*44*	*437*		*85*	*150*		*42*	*439*	
Lane Group Capacity, c	*132*	*446*	*167*	*137*	*441*		*181*	*613*		*181*	*512*	
v/c Ratio, X	*0.70*	*0.44*	*0.29*	*0.32*	*0.99*		*0.47*	*0.24*		*0.23*	*0.86*	
Total Green Ratio, g/C	*0.08*	*0.24*	*0.11*	*0.08*	*0.24*		*0.11*	*0.30*		*0.11*	*0.30*	
Uniform Delay, d_1	*31.4*	*22.4*	*28.8*	*30.5*	*26.4*		*29.4*	*18.5*		*28.6*	*23.1*	
Progression Factor, PF	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*		*1.000*	*1.000*		*1.000*	*1.000*	
Delay Calibration, k	*0.26*	*0.50*	*0.11*	*0.11*	*0.50*		*0.11*	*0.11*		*0.11*	*0.39*	
Incremental Delay, d_2	*14.9*	*3.1*	*1.0*	*1.4*	*40.7*		*1.9*	*0.2*		*0.7*	*13.6*	
Initial Queue Delay, d_3	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*		*0.0*	*0.0*		*0.0*	*0.0*	
Control Delay	*46.3*	*25.5*	*29.7*	*31.8*	*67.1*		*31.3*	*18.7*		*29.3*	*36.7*	
Lane Group LOS	*D*	*C*	*C*	*C*	*E*		*C*	*B*		*C*	*D*	
Approach Delay	*31.9*			*63.9*			*23.3*			*36.0*		
Approach LOS	*C*			*E*			*C*			*D*		
Intersection Delay	*41.9*			X_C = *0.83*			Intersection LOS			*D*		

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HCS+™ DETAILED REPORT

General Information		Site Information	
Analyst		Intersection	*Hawkins & Boyle*
Agency or Co.	*LKMA*	Area Type	*All other areas*
Date Performed	*11/20/2008*	Jurisdiction	
Time Period	*16:45-17:45*	Analysis Year	*2008*
		Project ID	*traffic study*

Volume and Timing Input

	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes, N_1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*0*	*1*	*1*	*0*
Lane Group	*L*	*T*	*R*	*L*	*T*	*R*	*L*	*TR*		*L*	*TR*	
Volume, V (vph)	*233*	*410*	*89*	*62*	*231*	*31*	*63*	*299*	*82*	*37*	*223*	*106*
% Heavy Vehicles, %HV	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Peak-Hour Factor, PHF	*0.92*	*0.92*	*0.92*	*0.85*	*0.85*	*0.85*	*0.91*	*0.91*	*0.91*	*0.96*	*0.96*	*0.96*
Pretimed (P) or Actuated (A)	*A*	*P*	*P*	*A*	*P*	*P*	*A*	*A*	*A*	*A*	*A*	*A*
Start-up Lost Time, l_1	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*		*2.0*	*2.0*	
Extension of Effective Green, e	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*		*2.0*	*2.0*	
Arrival Type, AT	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*		*3*	*3*	
Unit Extension, UE	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*		*3.0*	*3.0*	
Filtering/Metering, I	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*		*1.000*	*1.000*	
Initial Unmet Demand, Q_b	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*		*0.0*	*0.0*	
Ped / Bike / RTOR Volumes	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Lane Width	*10.0*	*11.0*	*11.0*	*11.0*	*11.0*	*12.0*	*10.0*	*15.0*		*10.0*	*11.0*	
Parking / Grade / Parking	*N*	*0*	*N*	*N*	*0*	*N*	*N*	*0*	*N*	*N*	*0*	*N*
Parking Maneuvers, N_m												
Buses Stopping, N_B	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*		*0*	*0*	
Min. Time for Pedestrians, G_p	*19.2*			*19.2*			*23.5*			*3.2*		

Phasing	Excl. Left	Thru & RT	03	04	Excl. Left	Thru & RT	07	08
Timing	G = *5.5*	G = *17.0*	G =	G =	G = *7.5*	G = *21.0*	G =	G =
	Y = *4*	Y = *5.5*	Y =	Y =	Y = *4*	Y = *5.5*	Y =	Y =
Duration of Analysis, T = *0.25*					Cycle Length, C = *70.0*			

Lane Group Capacity, Control Delay, and LOS Determination

	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate, v	*253*	*446*	*97*	*73*	*272*	*36*	*69*	*419*		*39*	*342*	
Lane Group Capacity, c	*132*	*446*	*669*	*137*	*446*	*692*	*181*	*607*		*181*	*524*	
v/c Ratio, X	*1.92*	*1.00*	*0.14*	*0.53*	*0.61*	*0.05*	*0.38*	*0.69*		*0.22*	*0.65*	
Total Green Ratio, g/C	*0.08*	*0.24*	*0.43*	*0.08*	*0.24*	*0.43*	*0.11*	*0.30*		*0.11*	*0.30*	
Uniform Delay, d_1	*32.3*	*26.5*	*12.2*	*31.0*	*23.6*	*11.7*	*29.1*	*21.6*		*28.6*	*21.3*	
Progression Factor, PF	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*		*1.000*	*1.000*	
Delay Calibration, k	*0.50*	*0.50*	*0.11*	*0.14*	*0.50*	*0.11*	*0.11*	*0.26*		*0.11*	*0.23*	
Incremental Delay, d_2	*439.3*	*42.6*	*0.1*	*4.0*	*6.1*	*0.0*	*1.3*	*3.3*		*0.6*	*2.9*	
Initial Queue Delay, d_3	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*		*0.0*	*0.0*	
Control Delay	*471.5*	*69.1*	*12.3*	*35.0*	*29.6*	*11.7*	*30.4*	*25.0*		*29.2*	*24.2*	
Lane Group LOS	*F*	*E*	*B*	*D*	*C*	*B*	*C*	*C*		*C*	*C*	
Approach Delay	*190.1*			*29.0*			*25.7*			*24.7*		
Approach LOS	*F*			*C*			*C*			*C*		
Intersection Delay	*90.1*			X_C = *0.88*			Intersection LOS			*F*		

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LEVEL OF SERVICE

ADJUSTED CYCLE LENTH & TIMING ADJUSTMENTS

HCS+™ DETAILED REPORT

General Information		Site Information	
Analyst		Intersection	*Hawkins & Boyle*
Agency or Co.	*LKMA*	Area Type	*All other areas*
Date Performed	*11/20/2008*	Jurisdiction	
Time Period	*8:00-9:00 AM*	Analysis Year	*2008*
		Project ID	*traffic study*

Volume and Timing Input

	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes, N_1	*1*	*1*	*1*	*1*	*1*	*0*	*1*	*1*	*0*	*1*	*1*	*0*
Lane Group	*L*	*T*	*R*	*L*	*TR*		*L*	*TR*		*L*	*TR*	
Volume, V (vph)	*73*	*154*	*38*	*40*	*366*	*32*	*61*	*92*	*16*	*36*	*196*	*177*
% Heavy Vehicles, %HV	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Peak-Hour Factor, PHF	*0.79*	*0.79*	*0.79*	*0.91*	*0.91*	*0.91*	*0.72*	*0.72*	*0.72*	*0.85*	*0.85*	*0.85*
Pretimed (P) or Actuated (A)	*A*	*P*		*A*	*P*		*A*	*A*		*A*	*A*	
Start-up Lost Time, l_1	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*		*2.0*	*2.0*		*2.0*	*2.0*	
Extension of Effective Green, e	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*		*2.0*	*2.0*		*2.0*	*2.0*	
Arrival Type, AT	*3*	*3*	*3*	*3*	*3*		*3*	*3*		*3*	*3*	
Unit Extension, UE	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*		*3.0*	*3.0*		*3.0*	*3.0*	
Filtering/Metering, I	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*		*1.000*	*1.000*		*1.000*	*1.000*	
Initial Unmet Demand, Q_b	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*		*0.0*	*0.0*		*0.0*	*0.0*	
Ped / Bike / RTOR Volumes	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Lane Width	*10.0*	*11.0*	*11.0*	*11.0*	*11.0*		*10.0*	*15.0*		*10.0*	*11.0*	
Parking / Grade / Parking	*N*	*0*	*N*	*N*	*0*	*N*	*N*	*0*	*N*	*N*	*0*	*N*
Parking Maneuvers, N_m												
Buses Stopping, N_B	*0*	*0*	*0*	*0*	*0*		*0*	*0*		*0*	*0*	
Min. Time for Pedestrians, G_p	*19.2*			*19.2*			*23.5*			*3.2*		

Phasing	Excl. Left	Thru Only	03	04	Excl. Left	Thru Only	07	08
Timing	G = *5.5*	G = *20.0*	G =	G =	G = *7.5*	G = *21.0*	G =	G =
	Y = *5*	Y = *5.5*	Y =	Y =	Y = *5*	Y = *5.5*	Y =	Y =
Duration of Analysis, T = *0.25*						Cycle Length, C = *75.0*		

Lane Group Capacity, Control Delay, and LOS Determination

	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate, v	*92*	*195*	*48*	*44*	*437*		*85*	*150*		*42*	*439*	
Lane Group Capacity, c	*124*	*490*	*156*	*128*	*484*		*169*	*572*		*169*	*478*	
v/c Ratio, X	*0.74*	*0.40*	*0.31*	*0.34*	*0.90*		*0.50*	*0.26*		*0.25*	*0.92*	
Total Green Ratio, g/C	*0.07*	*0.27*	*0.10*	*0.07*	*0.27*		*0.10*	*0.28*		*0.10*	*0.28*	
Uniform Delay, d_1	*34.1*	*22.6*	*31.3*	*33.0*	*26.6*		*32.0*	*21.0*		*31.1*	*26.2*	
Progression Factor, PF	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*		*1.000*	*1.000*		*1.000*	*1.000*	
Delay Calibration, k	*0.30*	*0.50*	*0.11*	*0.11*	*0.50*		*0.11*	*0.11*		*0.11*	*0.44*	
Incremental Delay, d_2	*21.1*	*2.4*	*1.1*	*1.6*	*22.7*		*2.4*	*0.2*		*0.8*	*22.8*	
Initial Queue Delay, d_3	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*		*0.0*	*0.0*		*0.0*	*0.0*	
Control Delay	*55.2*	*25.0*	*32.5*	*34.6*	*49.3*		*34.4*	*21.2*		*31.9*	*49.0*	
Lane Group LOS	*E*	*C*	*C*	*C*	*D*		*C*	*C*		*C*	*D*	
Approach Delay	*34.3*			*48.0*			*26.0*			*47.5*		
Approach LOS	*C*			*D*			*C*			*D*		
Intersection Delay	*41.5*			X_C = *0.84*			Intersection LOS			*D*		

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HCS+™ DETAILED REPORT

General Information		Site Information	
Analyst		Intersection	*Hawkins & Boyle*
Agency or Co.	*LKMA*	Area Type	*All other areas*
Date Performed	*11/20/2008*	Jurisdiction	
Time Period	*16:45-17:45*	Analysis Year	*2008*
		Project ID	*traffic study*

Volume and Timing Input

	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes, N_1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*0*	*1*	*1*	*0*
Lane Group	*L*	*T*	*R*	*L*	*T*	*R*	*L*	*TR*		*L*	*TR*	
Volume, V (vph)	*233*	*410*	*89*	*62*	*231*	*31*	*63*	*299*	*82*	*37*	*223*	*106*
% Heavy Vehicles, %HV	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Peak-Hour Factor, PHF	*0.92*	*0.92*	*0.92*	*0.85*	*0.85*	*0.85*	*0.91*	*0.91*	*0.91*	*0.96*	*0.96*	*0.96*
Pretimed (P) or Actuated (A)	*A*	*P*	*P*	*A*	*P*	*P*	*A*	*A*	*A*	*A*	*A*	*A*
Start-up Lost Time, l_1	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*		*2.0*	*2.0*	
Extension of Effective Green, e	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*		*2.0*	*2.0*	
Arrival Type, AT	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*		*3*	*3*	
Unit Extension, UE	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*		*3.0*	*3.0*	
Filtering/Metering, I	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*		*1.000*	*1.000*	
Initial Unmet Demand, Q_b	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*		*0.0*	*0.0*	
Ped / Bike / RTOR Volumes	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Lane Width	*10.0*	*11.0*	*11.0*	*11.0*	*11.0*	*12.0*	*10.0*	*15.0*		*10.0*	*11.0*	
Parking / Grade / Parking	*N*	*0*	*N*	*N*	*0*	*N*	*N*	*0*	*N*	*N*	*0*	*N*
Parking Maneuvers, N_m												
Buses Stopping, N_B	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*		*0*	*0*	
Min. Time for Pedestrians, G_p	*19.2*			*19.2*			*23.5*			*3.2*		

Phasing	Excl. Left	EW Perm	03	04	Excl. Left	NS Perm	07	08
Timing	G = *5.5*	G = *17.0*	G =	G =	G = *7.5*	G = *21.0*	G =	G =
	Y = *4*	Y = *5.5*	Y =	Y =	Y = *4*	Y = *5.5*	Y =	Y =
Duration of Analysis, T = *0.25*						Cycle Length, C = *70.0*		

Lane Group Capacity, Control Delay, and LOS Determination

	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate, v	*253*	*446*	*97*	*73*	*272*	*36*	*69*	*419*		*39*	*342*	
Lane Group Capacity, c	*328*	*446*	*669*	*242*	*446*	*692*	*392*	*607*		*334*	*524*	
v/c Ratio, X	*0.77*	*1.00*	*0.14*	*0.30*	*0.61*	*0.05*	*0.18*	*0.69*		*0.12*	*0.65*	
Total Green Ratio, g/C	*0.40*	*0.24*	*0.43*	*0.40*	*0.24*	*0.43*	*0.49*	*0.30*		*0.49*	*0.30*	
Uniform Delay, d_1	*20.3*	*26.5*	*12.2*	*15.4*	*23.6*	*11.7*	*10.7*	*21.6*		*11.1*	*21.3*	
Progression Factor, PF	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*		*1.000*	*1.000*	
Delay Calibration, k	*0.32*	*0.50*	*0.11*	*0.11*	*0.50*	*0.11*	*0.11*	*0.26*		*0.11*	*0.23*	
Incremental Delay, d_2	*10.8*	*42.6*	*0.1*	*0.7*	*6.1*	*0.0*	*0.2*	*3.3*		*0.2*	*2.9*	
Initial Queue Delay, d_3	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*		*0.0*	*0.0*	
Control Delay	*31.1*	*69.1*	*12.3*	*16.1*	*29.6*	*11.7*	*10.9*	*25.0*		*11.3*	*24.2*	
Lane Group LOS	*C*	*E*	*B*	*B*	*C*	*B*	*B*	*C*		*B*	*C*	
Approach Delay	*50.1*			*25.4*			*23.0*			*22.9*		
Approach LOS	*D*			*C*			*C*			*C*		
Intersection Delay	*34.0*			X_C = *0.83*			Intersection LOS			*C*		

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HCS+™ DETAILED REPORT

General Information		Site Information	
Analyst		Intersection	*Hawkins & Boyle*
Agency or Co.	*LKMA*	Area Type	*All other areas*
Date Performed	*11/20/2008*	Jurisdiction	
Time Period	*16:45-17:45*	Analysis Year	*2008*
		Project ID	*traffic study HCS with added clerance & E/W times*

Volume and Timing Input

	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes, N_1	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*0*	*1*	*1*	*0*
Lane Group	*L*	*T*	*R*	*L*	*T*	*R*	*L*	*TR*		*L*	*TR*	
Volume, V (vph)	*233*	*410*	*89*	*62*	*231*	*31*	*63*	*299*	*82*	*37*	*223*	*106*
% Heavy Vehicles, %HV	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Peak-Hour Factor, PHF	*0.92*	*0.92*	*0.92*	*0.85*	*0.85*	*0.85*	*0.91*	*0.91*	*0.91*	*0.96*	*0.96*	*0.96*
Pretimed (P) or Actuated (A)	*A*	*P*	*P*	*A*	*P*	*P*	*A*	*A*	*A*	*A*	*A*	*A*
Start-up Lost Time, l_1	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*		*2.0*	*2.0*	
Extension of Effective Green, e	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*	*2.0*		*2.0*	*2.0*	
Arrival Type, AT	*3*	*3*	*3*	*3*	*3*	*3*	*3*	*3*		*3*	*3*	
Unit Extension, UE	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*	*3.0*		*3.0*	*3.0*	
Filtering/Metering, I	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*		*1.000*	*1.000*	
Initial Unmet Demand, Q_b	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*		*0.0*	*0.0*	
Ped / Bike / RTOR Volumes	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Lane Width	*10.0*	*11.0*	*11.0*	*11.0*	*11.0*	*12.0*	*10.0*	*15.0*		*10.0*	*11.0*	
Parking / Grade / Parking	*N*	*0*	*N*	*N*	*0*	*N*	*N*	*0*	*N*	*N*	*0*	*N*
Parking Maneuvers, N_m												
Buses Stopping, N_B	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*		*0*	*0*	
Min. Time for Pedestrians, G_p	*19.2*			*19.2*			*23.5*			*3.2*		

Phasing	Excl. Left	EW Perm	03	04	Excl. Left	NS Perm	07	08
Timing	G = *5.5*	G = *20.0*	G =	G =	G = *7.5*	G = *21.0*	G =	G =
	Y = *5*	Y = *5.5*	Y =	Y =	Y = *5*	Y = *5.5*	Y =	Y =
Duration of Analysis, T = *0.25*						Cycle Length, C = *75.0*		

Lane Group Capacity, Control Delay, and LOS Determination

	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate, v	*253*	*446*	*97*	*73*	*272*	*36*	*69*	*419*		*39*	*342*	
Lane Group Capacity, c	*344*	*490*	*687*	*226*	*490*	*711*	*351*	*566*		*293*	*489*	
v/c Ratio, X	*0.74*	*0.91*	*0.14*	*0.32*	*0.56*	*0.05*	*0.20*	*0.74*		*0.13*	*0.70*	
Total Green Ratio, g/C	*0.41*	*0.27*	*0.44*	*0.41*	*0.27*	*0.44*	*0.45*	*0.28*		*0.45*	*0.28*	
Uniform Delay, d_1	*21.0*	*26.6*	*12.5*	*15.8*	*23.7*	*12.0*	*12.8*	*24.5*		*13.3*	*24.2*	
Progression Factor, PF	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*	*1.000*		*1.000*	*1.000*	
Delay Calibration, k	*0.29*	*0.50*	*0.11*	*0.11*	*0.50*	*0.11*	*0.11*	*0.30*		*0.11*	*0.27*	
Incremental Delay, d_2	*8.0*	*23.5*	*0.1*	*0.8*	*4.5*	*0.0*	*0.3*	*5.2*		*0.2*	*4.4*	
Initial Queue Delay, d_3	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*		*0.0*	*0.0*	
Control Delay	*29.0*	*50.2*	*12.6*	*16.7*	*28.2*	*12.1*	*13.1*	*29.7*		*13.5*	*28.6*	
Lane Group LOS	*C*	*D*	*B*	*B*	*C*	*B*	*B*	*C*		*B*	*C*	
Approach Delay	*38.9*			*24.4*			*27.3*			*27.0*		
Approach LOS	*D*			*C*			*C*			*C*		
Intersection Delay	*31.2*			X_C = *0.80*			Intersection LOS			*C*		

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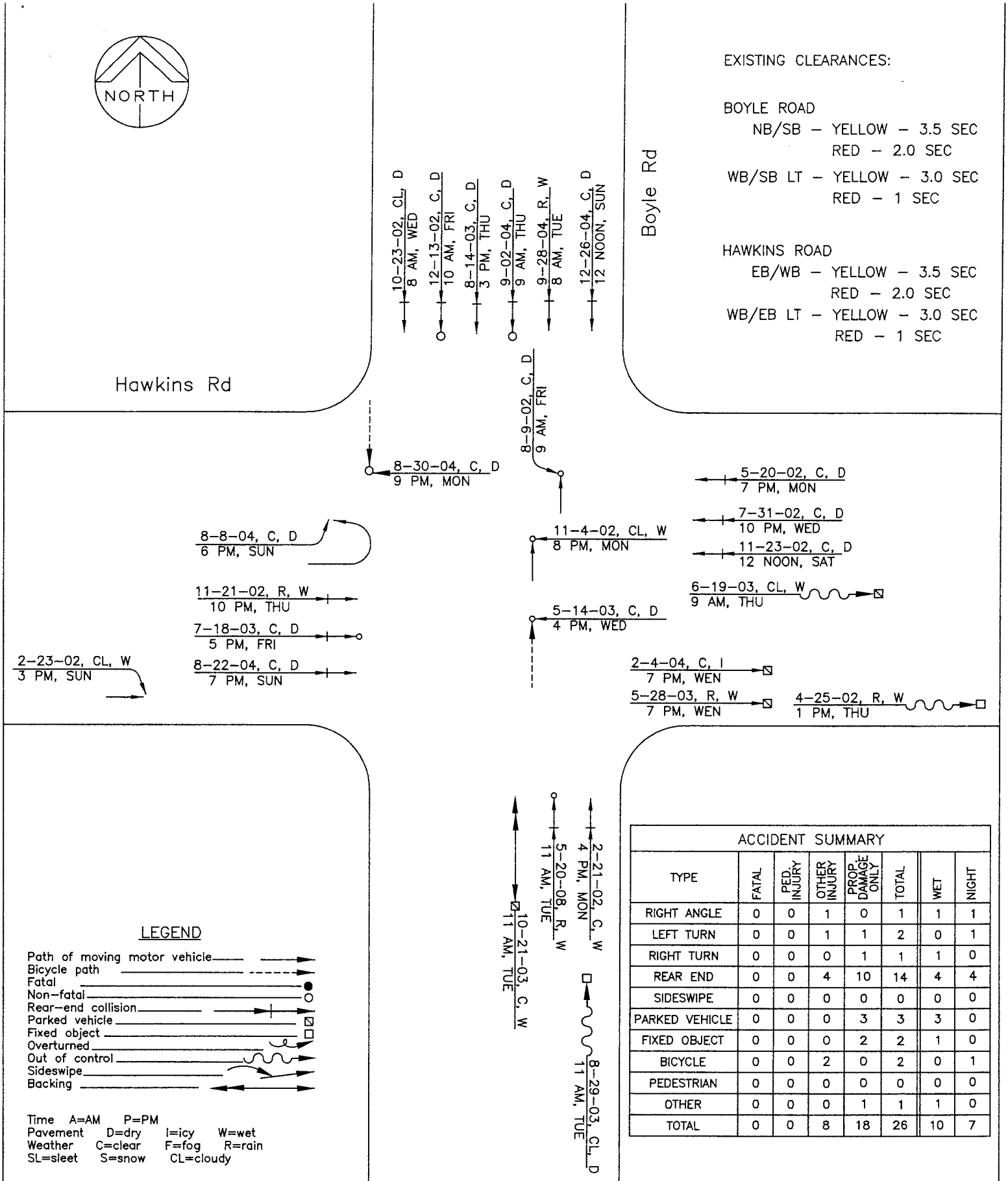
ACCIDENT ANALYSIS



ACCIDENT SUMMARY

TYPE	FATAL	PED. INJURY	OTHER INJURY	PROP. DAMAGE ONLY	TOTAL	WET	NIGHT
RIGHT ANGLE	0	0	1	0	1	1	1
LEFT TURN	0	0	1	1	2	0	1
RIGHT TURN	0	0	0	1	1	1	0
REAR END	0	0	4	10	14	4	4
SIDESWIPE	0	0	0	0	0	0	0
PARKED VEHICLE	0	0	0	3	3	3	0
FIXED OBJECT	0	0	0	2	2	1	0
BICYCLE	0	0	2	0	2	0	1
PEDESTRIAN	0	0	0	0	0	0	0
OTHER	0	0	0	1	1	1	0
TOTAL	0	0	8	18	26	10	7

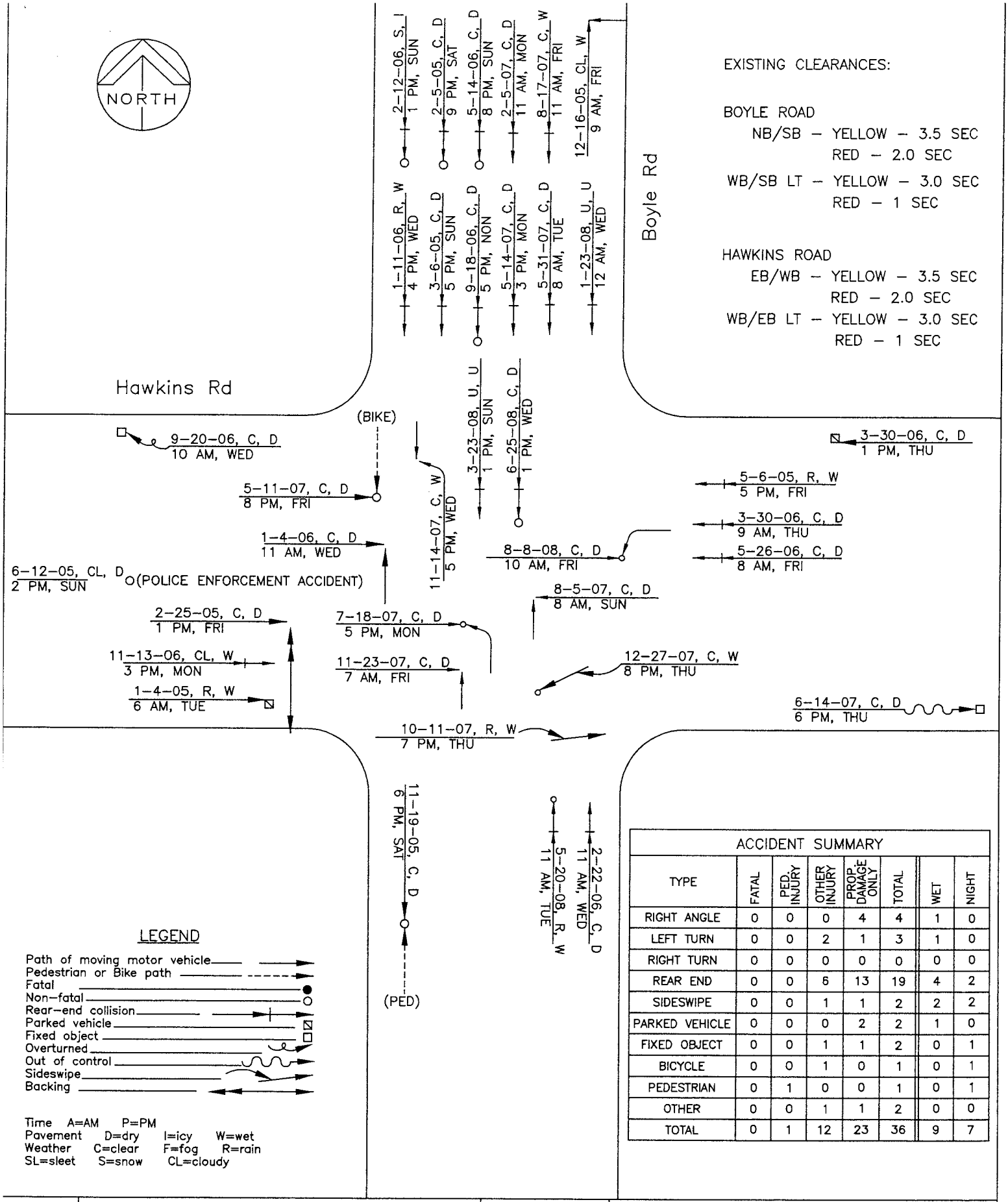
PROJECT:	INTERSECTION STUDIES
	TOWN OF BROOKHAVEN
PERIOD:	2002 THRU 2004
SOURCES:	(1/2002 – 12/2004)

L. K. McLEAN ASSOCIATES, P.C.
Consulting Engineers
437 SOUTH COUNTRY ROAD,
BROOKHAVEN, NEW YORK 11719

COLLISION DIAGRAM

HAWKINS ROAD AT BOYLE ROAD

JOB NO.	SCALE:	DATE:	FIGURE
08088	NONE	DEC. 2008	1



LEGEND

- Path of moving motor vehicle
- Pedestrian or Bike path
- Fatal
- Non-fatal
- Rear-end collision
- Parked vehicle
- Fixed object
- Overturned
- Out of control
- Sideswipe
- Backing

Time A=AM P=PM
Pavement D=dry I=icy W=wet
Weather C=clear F=fog R=rain
SL=sleet S=snow CL=cloudy

ACCIDENT SUMMARY

TYPE	FATAL	PED. INJURY	OTHER INJURY	PROP. DAMAGE ONLY	TOTAL	WET	NIGHT
RIGHT ANGLE	0	0	0	4	4	1	0
LEFT TURN	0	0	2	1	3	1	0
RIGHT TURN	0	0	0	0	0	0	0
REAR END	0	0	6	13	19	4	2
SIDESWIPE	0	0	1	1	2	2	2
PARKED VEHICLE	0	0	0	2	2	1	0
FIXED OBJECT	0	0	1	1	2	0	1
BICYCLE	0	0	1	0	1	0	1
PEDESTRIAN	0	1	0	0	1	0	1
OTHER	0	0	1	1	2	0	0
TOTAL	0	1	12	23	36	9	7

PROJECT:	INTERSECTION STUDIES
	TOWN OF BROOKHAVEN
PERIOD:	2005 THRU 2008
SOURCES:	(1/2005 – 8/2008)

L. K. McLEAN ASSOCIATES, P.C.
Consulting Engineers
437 SOUTH COUNTRY ROAD,
BROOKHAVEN, NEW YORK 11719

COLLISION DIAGRAM

HAWKINS ROAD AT
BOYLE ROAD

JOB NO.	SCALE:	DATE:	FIGURE
08088	NONE	DEC. 2008	1

INTERSECTION ACCIDENT EVALUATION

L.K. McLean Associates, P.C.

INTERSECTION: HAWKINS ROAD & BOYLE ROAD

Intersection Accident Evaluation

Accident Rate Calculation for the Intersection of:

North-South:	BOYLE ROAD	AADT: 8,520	(Obtained from Counts) (Based on Peak Hour Counts)
East-West:	HAWKINS ROAD	AADT: 10,309	(Obtained from Counts) (Based on Peak Hour Counts)

18,829 Vehicles per Day (combined entering vehicles)
6,872,533 Vehicles per Year
6.87 Million Vehicles per Year
44 Length of Accident Study (in Months)
3.67 Length of Accident Study (in Years)
25.20 Total number of entering vehicles during Accident Study (in millions)
36 Total number of accidents during accident study
1.43 Accident Rate at this intersection (in Accidents per Million entering vehicles)
0.28 NYSDOT Mean Accident Rate (Based on Geometry of Intersection)

The computed accident rate at this intersection is higher than the NYSDOT mean accident rate.

TRAFFIC SAFETY DIVISION

Hawkins Rd at Boyle Rd
Selden
Counts by Sal
Then Click the Comments Tab

COF

File Name : AM&PM~1
Site Code : 87654321
Start Date : 1/31/2007
Page No : 1

Groups Printed- 1 - Unshifted

	Boyle Rd Southbound					Hawkins RD Westbound					Boyle Rd Northbound					Hawkins RD Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
05:30 PM	8	69	19	0	96	12	63	7	0	82	14	85	4	0	103	42	84	13	0	139	420
05:45 PM	6	69	18	0	93	10	31	8	0	49	15	76	7	0	98	46	87	18	0	151	391
Total	14	138	37	0	189	22	94	15	0	131	29	161	11	0	201	88	171	31	0	290	811
06:00 PM	9	43	25	0	77	14	52	6	0	72	21	70	15	0	106	45	84	8	0	137	392
06:15 PM	6	63	27	0	96	15	44	4	0	63	21	81	10	0	112	44	87	21	0	152	423
06:30 PM	9	56	12	0	77	12	52	4	0	68	19	74	11	0	104	36	87	20	0	143	392
06:45 PM	8	44	13	0	65	11	49	6	0	66	26	65	24	0	115	52	67	17	0	136	382
Total	32	206	77	0	315	52	197	20	0	269	87	290	60	0	437	177	325	66	0	568	1589
07:00 PM	5	51	17	0	73	9	38	4	0	51	17	77	15	0	109	37	73	19	0	129	362
07:15 PM	5	47	32	0	84	10	39	2	0	51	11	69	11	0	91	36	70	14	0	120	346
Total	10	98	49	0	157	19	77	6	0	102	28	146	26	0	200	73	143	33	0	249	708
07:15 AM	2	47	54	0	103	8	100	7	0	115	14	25	5	0	44	16	37	6	0	59	321
07:30 AM	4	56	43	0	103	12	85	6	0	103	9	39	4	0	52	20	40	12	0	72	330
07:45 AM	5	43	41	0	89	6	69	11	0	86	13	50	3	0	66	24	32	17	0	73	314
Total	11	146	138	0	295	26	254	24	0	304	36	114	12	0	162	60	109	35	0	204	965
08:00 AM	2	35	39	0	76	10	81	4	0	95	25	30	4	0	59	23	39	8	0	70	300
08:15 AM	3	40	34	0	77	11	74	2	0	87	13	36	1	0	50	22	28	4	0	54	268
08:30 AM	7	36	35	0	78	9	67	9	0	85	18	52	2	0	72	29	26	14	0	69	304
08:45 AM	6	54	28	0	88	6	49	7	0	62	16	46	6	0	68	35	24	4	0	63	281
Total	18	165	136	0	319	36	271	22	0	329	72	164	13	0	249	109	117	30	0	256	1153
09:00 AM	4	90	30	0	124	8	53	8	0	69	21	70	3	0	94	31	40	13	1	85	372
Total	4	90	30	0	124	8	53	8	0	69	21	70	3	0	94	31	40	13	1	85	372

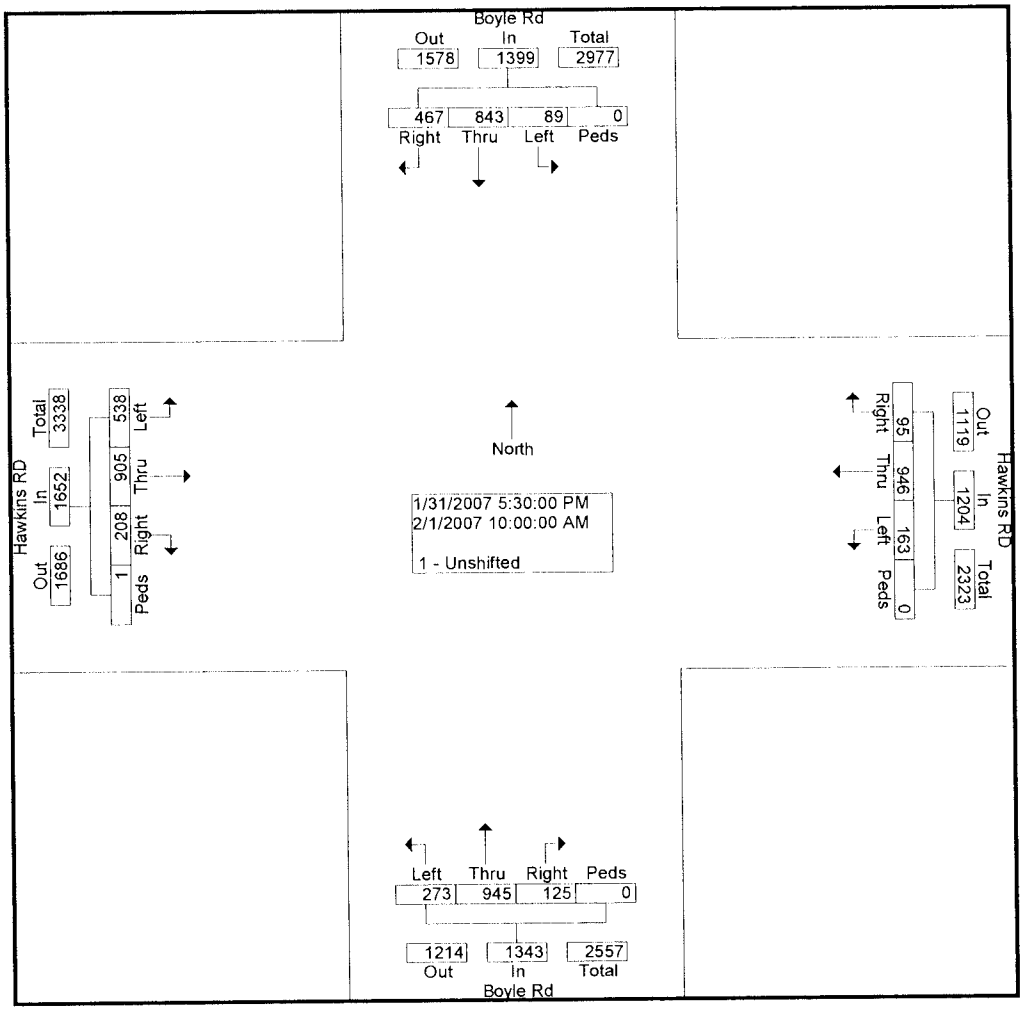
TRAFFIC SAFETY DIVISION

File Name : AM&PMP~1
Site Code : 87654321
Start Date : 1/31/2007
Page No : 2

...wkins Rd at Boyle Rd
Selden
Counts by Sal
Then Click the Comments Tab

Groups Printed- 1 - Unshifted

	Boyle Rd Southbound					Hawkins RD Westbound					Boyle Rd Northbound					Hawkins RD Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
Grand Total	89	843	467	0	1399	163	946	95	0	1204	273	945	125	0	1343	538	905	208	1	1652	5598
Apprch %	6.4	60.3	33.4	0.0		13.5	78.6	7.9	0.0		20.3	70.4	9.3	0.0		32.6	54.8	12.6	0.1		
Total %	1.6	15.1	8.3	0.0	25.0	2.9	16.9	1.7	0.0	21.5	4.9	16.9	2.2	0.0	24.0	9.6	16.2	3.7	0.0	29.5	



TRAFFIC SAFETY DIVISION

Hawkins Rd at Boyle Rd
Selden
Counts by Sal
Then Click the Comments Tab

File Name : AM&PMP~1
Site Code : 87654321
Start Date : 1/31/2007
Page No : 3

	Boyle Rd Southbound					Hawkins RD Westbound					Boyle Rd Northbound					Hawkins RD Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour From 05:30 PM to 10:00 AM - Peak 1 of 1																					
Intersection	05:30 PM																				
Volume	29	244	89	0	362	51	190	25	0	266	71	312	36	0	419	177	342	60	0	579	1626
Percent	8.0	67.4	24.6	0.0		19.2	71.4	9.4	0.0		16.9	74.5	8.6	0.0		30.6	59.1	10.4	0.0		
06:15 Volume	6	63	27	0	96	15	44	4	0	63	21	81	10	0	112	44	87	21	0	152	423
Peak Factor																					0.961
High Int.	05:30 PM					05:30 PM					06:15 PM					06:15 PM					
Volume	8	69	19	0	96	12	63	7	0	82	21	81	10	0	112	44	87	21	0	152	
Peak Factor					0.943					0.811					0.935					0.952	

TRAFFIC SAFETY DIVISION

Hawkins Rd at Boyle Rd
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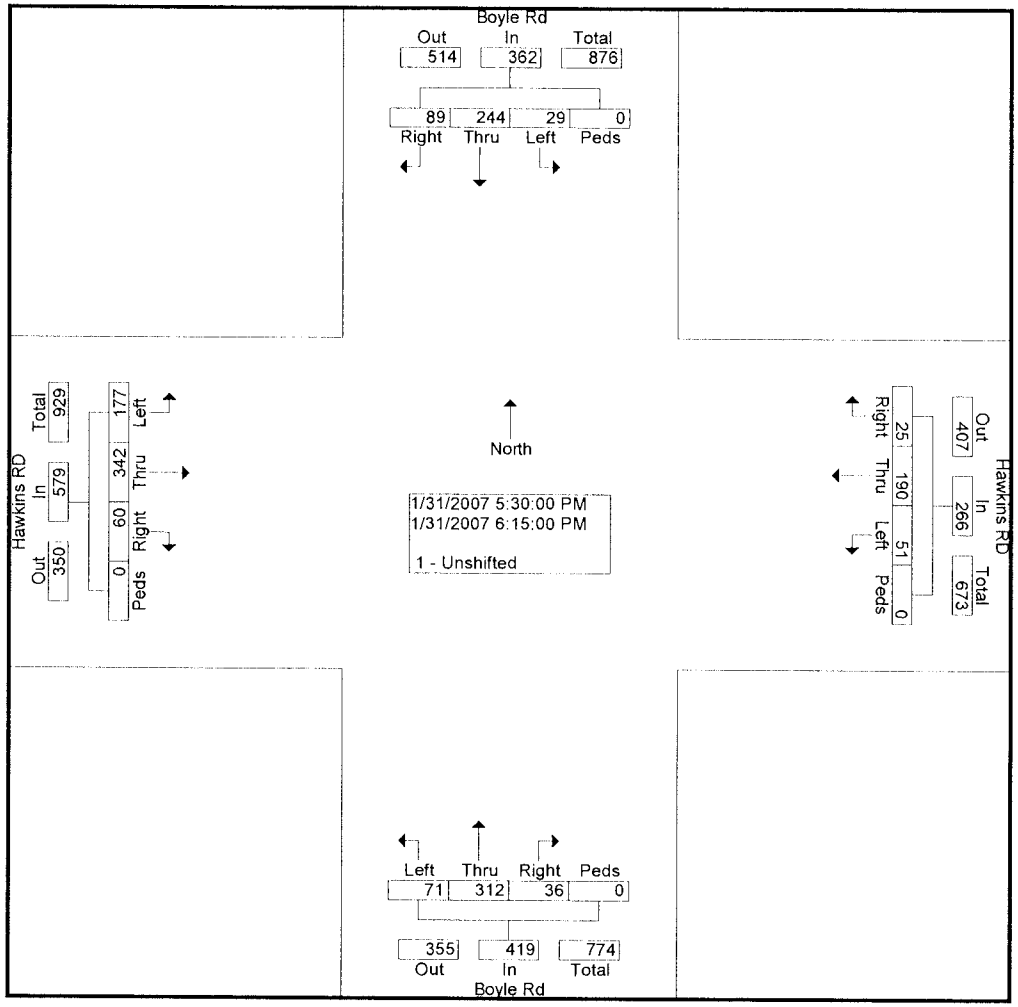

TRAFFIC SAFETY DIVISION

Hawkins Rd at Boyle Rd
Selden
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File Name : AM&PM~1
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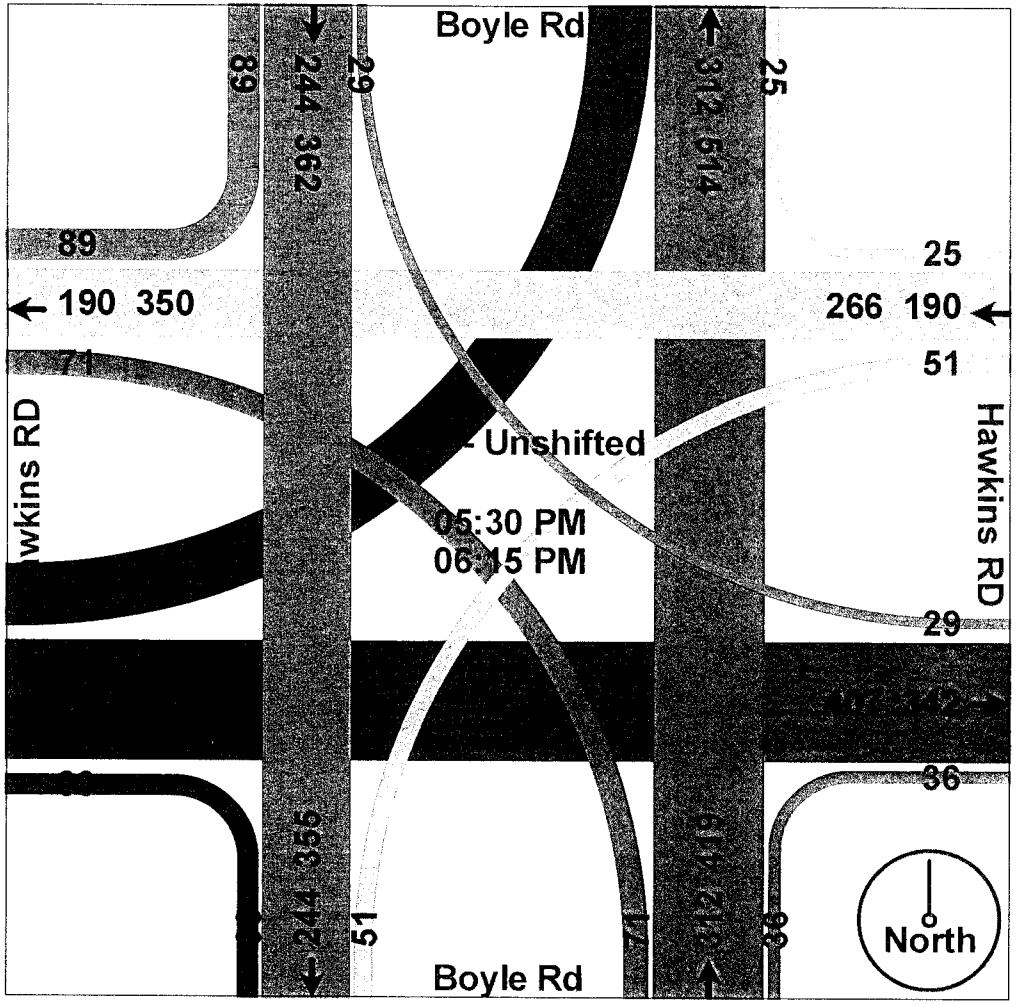

Peak Hour From 05:30 PM to 10:00 AM - Peak 1 of 1

By Approach	07:15 AM					07:15 AM					06:15 PM					05:45 PM				
Volume	13	181	177	0	371	36	335	28	0	399	83	297	60	0	440	171	345	67	0	583
Percent	3.5	48.8	47.7	0.0		9.0	84.0	7.0	0.0		18.9	67.5	13.6	0.0		29.3	59.2	11.5	0.0	
High Int.	07:15 AM					07:15 AM					06:45 PM					06:15 PM				
Volume	2	47	54	0	103	8	100	7	0	115	26	65	24	0	115	44	87	21	0	152
Peak Factor					0.900					0.867					0.957					0.959

TRAFFIC SAFETY DIVISION

Hawkins Rd at Boyle Rd
Selden
Counts by Sal
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File Name : AM&PMP~1
Site Code : 87654321
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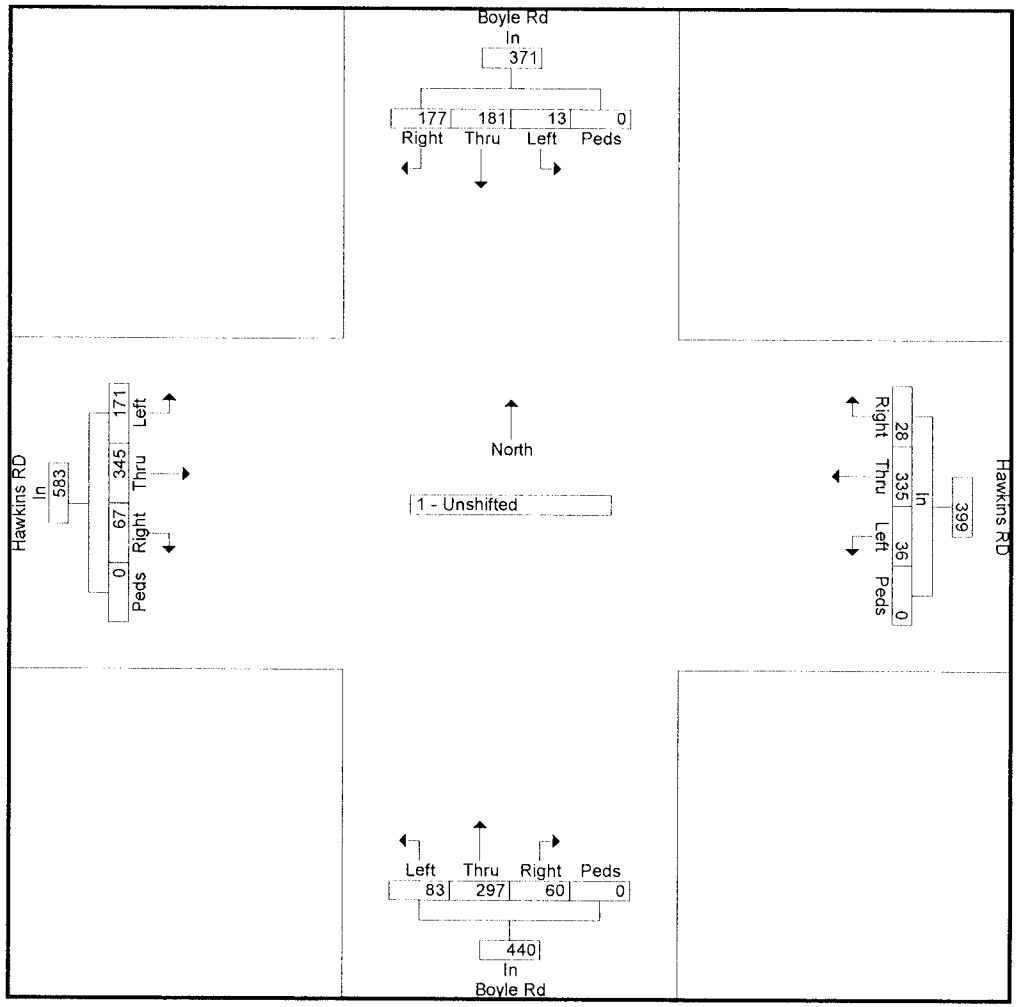
Page No : 6



TRAFFIC SAFETY DIVISION

Hawkins Rd at Boyle Rd
Selden
Counts by Sal
Then Click the Comments Tab

File Name : AM&PMP~1
Site Code : 87654321
Start Date : 1/31/2007
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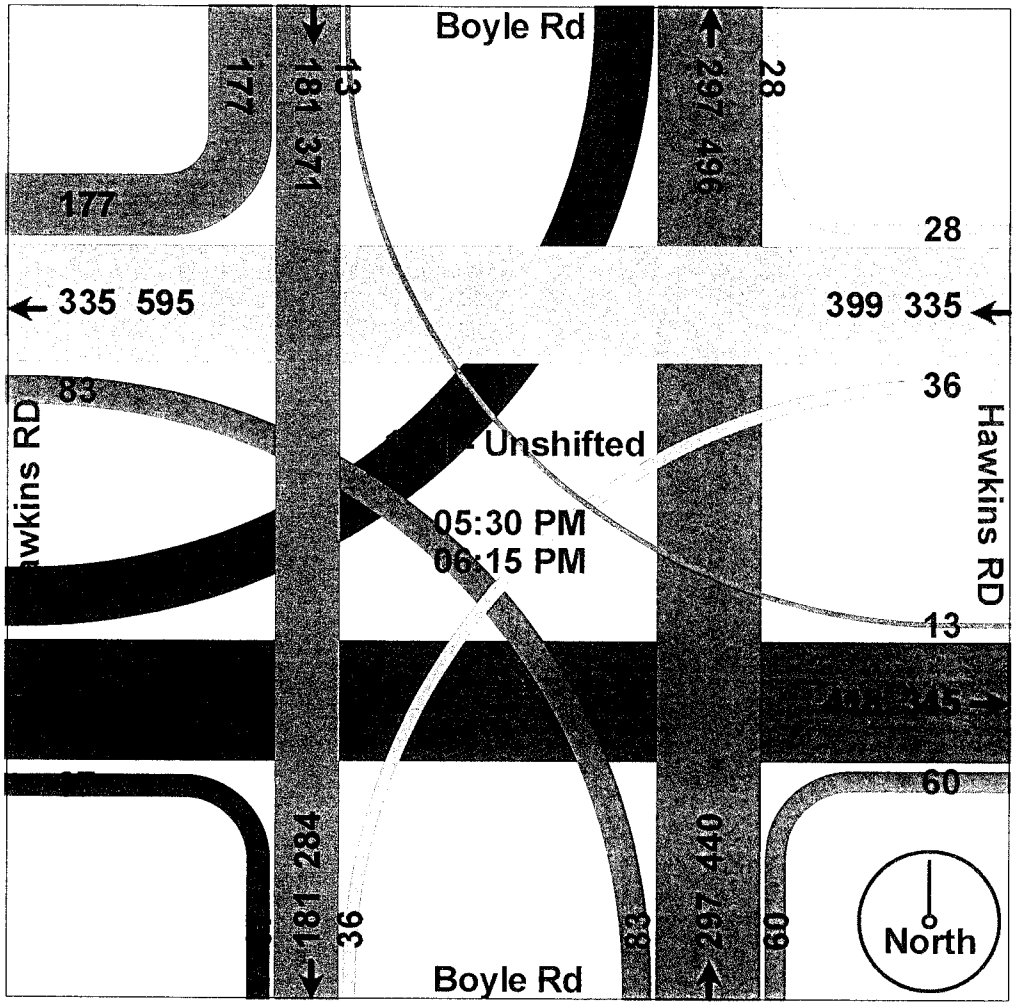

TRAFFIC SAFETY DIVISION

Hawkins Rd at Boyle Rd
Selden
Counts by Sal
Then Click the Comments Tab

File Name : AM&PMP~1
Site Code : 87654321
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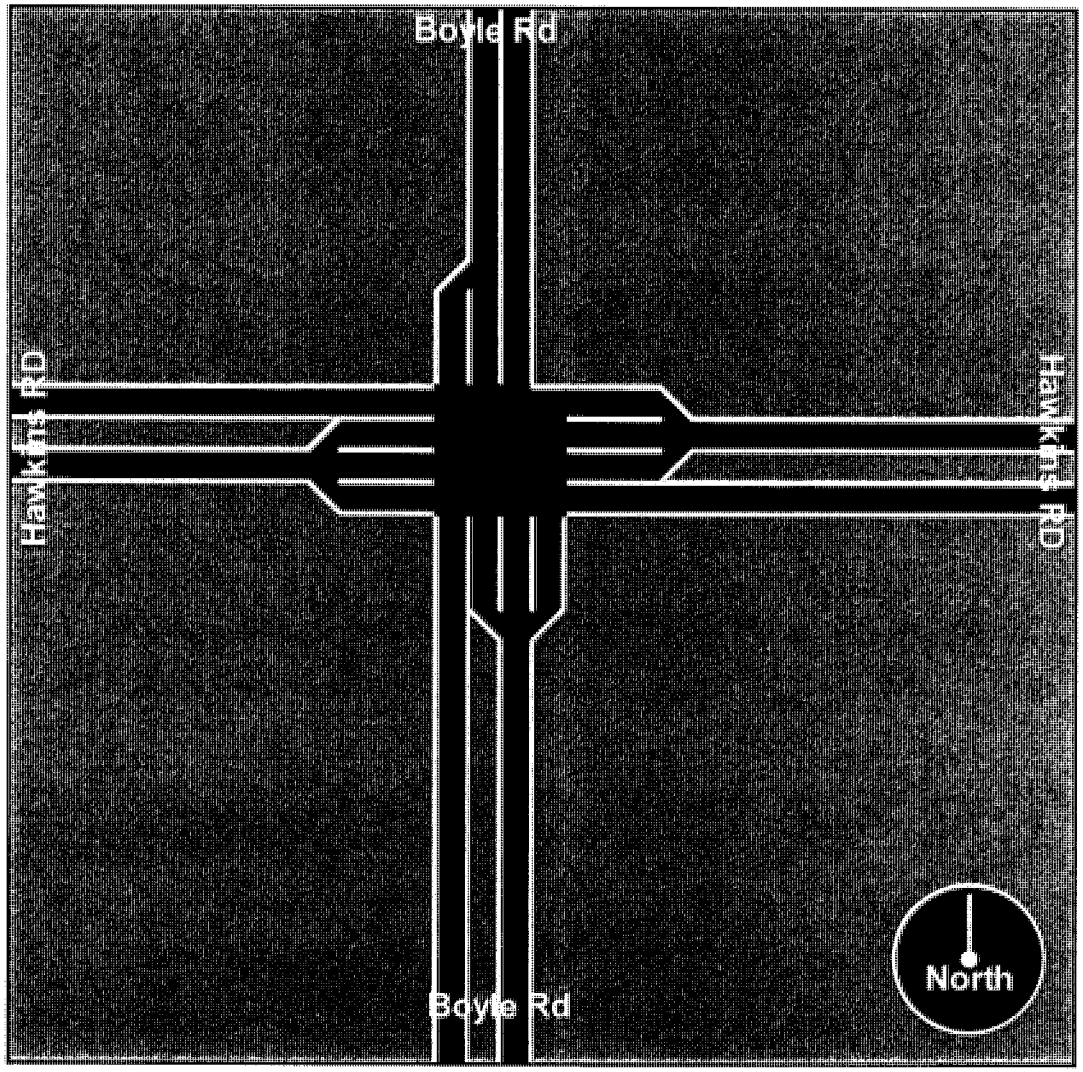

Machine Count Summary Sheet
Town of Brookhaven
Division of Traffic Safety

COPY

Project Location: Boyle Rd Btwn Hemlock St & Hawthorne St (N/O school)

Project Number: 08-09-0780

Period: 6/18/2011Thru 6/24/2011

Volumes Mon. Thru Fri. Weekdays

ADT Combined.:	10227	Highest Daily Volume Day:	Tuesday
ADT N/B:	5289		
ADT S/B:	4938		
		Max Peak Hour AM:	11:00 AM
Highest Volume (vph):	826		
		Max Peak Hour PM:	5:00 PM
		Peak Hour Day:	Saturday

Highest 8 Hour Volume:

Highest 8 Hour Volume Day:

Speed

85th Percentile (Avg):	40	Average Speed:	35
85 Percentile (N/B)	41		
85 Percentile (S/B)	39	Lowest 85th:	38
		Highest 85th	41
% Exceeding 40 MPH (Avg):	14.10%	Highest Exceeding 40 MPH:	

Classification

% Trucks (Avg): 1.1

Highest % Trucks: 1.4

3 Axles or More

Lowest % Trucks: 1.0

Highest % Trucks Day: Wednesday

Town Of Brookhaven
Traffic Safety Division

Location: Hawkins Rd
Cross St: Boyle Rd
Hamlet: Selden

Site: 2025
Monday, 3/24/2003, 1:00:00 PM -
Monday, 3/31/2003, 1:00:00 PM

Volume Grand Totals

Average Hourly Volumes

	WB	EB	Combined
12:00 AM	89.0	113.4	202.4
1:00 AM	**54.6**	**72.7**	**127.3**
2:00 AM	31.3	40.7	72.0
3:00 AM	**18.3**	**25.1**	**43.4**
4:00 AM	24.6	18.4	43.0
5:00 AM	**30.7**	**19.7**	**50.4**
6:00 AM	97.1	36.3	133.4
7:00 AM	**271.7**	**77.1**	**348.9**
8:00 AM	373.6	209.1	582.7
9:00 AM	**394.7**	**238.7**	**633.4**
10:00 AM	305.0	254.4	559.4
11:00 AM	**273.4**	**244.7**	**518.1**
12:00 PM	286.9	290.1	577.0
1:00 PM	**305.4**	**315.7**	**621.1**
2:00 PM	304.3	335.0	639.3
3:00 PM	**316.4**	**431.1**	**747.6**
4:00 PM	354.1	463.9	818.0
5:00 PM	**342.7**	**547.9**	**890.6**
6:00 PM	337.4	557.6	895.0
7:00 PM	**318.9**	**479.6**	**798.4**
8:00 PM	270.1	370.0	640.1
9:00 PM	**188.9**	**281.6**	**470.4**
10:00 PM	164.7	211.7	376.4
11:00 PM	**123.4**	**166.3**	**289.7**
ADT	5277.3	5801.0	11078.3

Study Grand Totals

WB	EB	Combined
36941	40607	77548
47.6 %	52.4 %	

Town Of Brookhaven
Traffic Safety Division

COPY

Location: Hawkins Rd
Cross St: Boyle Rd
Hamlet: Selden

Site: 2025
Monday, 3/24/2003, 1:00:00 PM -
Monday, 3/31/2003, 1:00:00 PM

Speed Grand Totals
EB

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	113.4	0.3	0.0	1.0	1.6	23.4	48.6	27.1	9.6	1.6	0.3	0.0	0.0	0.0
1:00 AM	72.7	0.0	0.0	0.0	1.1	10.4	27.4	26.0	6.0	1.4	0.3	0.0	0.0	0.0
2:00 AM	40.7	0.1	0.1	0.1	0.7	7.1	15.9	9.7	5.0	1.6	0.3	0.0	0.0	0.0
3:00 AM	25.1	0.0	0.0	0.0	0.1	4.1	8.9	7.7	3.0	1.1	0.1	0.0	0.0	0.0
4:00 AM	18.4	0.3	0.1	0.3	0.1	2.7	6.1	5.7	2.0	0.7	0.3	0.0	0.0	0.0
5:00 AM	19.7	0.0	0.3	0.1	0.4	3.1	5.1	5.6	2.3	1.7	1.0	0.0	0.0	0.0
6:00 AM	36.3	0.0	0.0	0.0	0.4	2.9	10.6	13.4	6.9	2.0	0.1	0.0	0.0	0.0
7:00 AM	77.1	4.7	0.1	0.1	2.1	11.1	30.1	18.7	8.1	1.9	0.0	0.0	0.0	0.0
8:00 AM	209.1	13.7	0.7	5.0	17.7	44.9	65.7	45.7	12.9	2.6	0.3	0.0	0.0	0.0
9:00 AM	238.7	17.4	1.9	3.1	10.6	53.9	87.6	52.3	10.1	1.7	0.1	0.0	0.0	0.0
10:00 AM	254.4	12.0	10.0	9.4	18.3	63.1	81.6	45.3	12.9	1.6	0.3	0.0	0.0	0.0
11:00 AM	244.7	12.9	2.3	4.4	11.7	56.3	90.1	51.6	13.4	1.9	0.1	0.0	0.0	0.0
12:00 PM	290.1	12.1	3.3	4.7	17.9	66.7	110.4	59.7	13.0	2.1	0.1	0.0	0.0	0.0
1:00 PM	315.7	11.9	1.4	3.3	14.6	69.9	129.4	69.1	13.9	1.7	0.6	0.0	0.0	0.0
2:00 PM	335.0	14.7	3.1	5.7	18.1	73.7	132.7	70.6	15.1	1.0	0.1	0.0	0.0	0.0
3:00 PM	431.1	26.1	8.7	17.7	31.6	107.1	154.6	73.3	10.4	1.0	0.6	0.0	0.0	0.0
4:00 PM	463.9	37.0	18.6	35.0	65.9	130.3	126.9	43.4	5.6	0.6	0.7	0.0	0.0	0.0
5:00 PM	547.9	42.7	19.3	30.6	79.0	171.1	153.4	44.6	4.7	1.4	1.0	0.0	0.0	0.0
6:00 PM	557.6	35.4	23.1	43.9	93.4	163.3	147.0	43.6	6.9	0.9	0.1	0.0	0.0	0.0
7:00 PM	479.6	30.7	9.7	16.1	64.4	159.3	143.9	46.9	7.7	0.7	0.1	0.0	0.0	0.0
8:00 PM	370.0	15.3	2.3	6.4	37.0	140.1	124.6	36.7	6.4	0.9	0.3	0.0	0.0	0.0
9:00 PM	281.6	5.9	0.4	2.0	19.4	97.9	110.6	38.4	5.9	0.6	0.6	0.0	0.0	0.0
10:00 PM	211.7	4.1	0.3	1.1	13.3	68.7	83.9	33.6	5.3	1.1	0.3	0.0	0.0	0.0
11:00 PM	166.3	1.6	0.4	1.1	5.7	41.9	74.0	34.3	6.3	1.0	0.0	0.0	0.0	0.0
ADT	5801.0	299.0	106.3	191.4	525.3	1573.1	1969.0	903.0	193.3	32.7	7.9	0.0	0.0	0.0

Percentile Speeds	50%	85%	90%
(mph)	35.5	41.4	43.0

10 mph Pace Speed 31.5 - 41.5
Number in Pace 25668 (63.2 %)

Average 34.2 mph
Minimum 5.0 mph
Maximum 58.8 mph

Speeds Exceeded	35 mph	40 mph	45 mph	50 mph	55 mph
	53.5 %	19.6 %	4.0 %	0.7 %	0.1 %
Count	21741	7958	1637	284	55

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
EB	40607	2093	744	1340	3677	11012	13783	6321	1353	229	55	0	0	0
		5.2%	1.8%	3.3%	9.1%	27.1%	33.9%	15.6%	3.3%	0.6%	0.1%	0.0%	0.0%	0.0%

Town Of Brookhaven
Traffic Safety Division

Location: Hawkins Rd
Cross St: Boyle Rd
Hamlet: Selden

Site: 2025
Monday, 3/24/2003, 1:00:00 PM -
Monday, 3/31/2003, 1:00:00 PM

Speed Grand Totals
WB

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	89.0	0.9	0.7	0.1	5.4	26.4	33.7	16.0	4.4	1.1	0.1	0.0	0.0	0.0
1:00 AM	54.6	0.0	0.1	0.3	4.9	14.0	22.4	9.6	3.0	0.1	0.1	0.0	0.0	0.0
2:00 AM	31.3	0.0	0.4	0.4	0.9	9.4	10.1	6.7	2.4	0.7	0.1	0.0	0.0	0.0
3:00 AM	18.3	0.1	0.0	0.0	0.7	4.7	7.3	3.4	1.4	0.6	0.0	0.0	0.0	0.0
4:00 AM	24.6	0.6	0.4	0.7	2.6	6.1	7.1	5.3	1.4	0.3	0.0	0.0	0.0	0.0
5:00 AM	30.7	0.0	0.0	0.6	1.0	9.0	10.3	7.1	2.1	0.4	0.1	0.0	0.0	0.0
6:00 AM	97.1	0.0	0.1	0.0	3.1	24.0	43.0	20.1	5.6	1.0	0.1	0.0	0.0	0.0
7:00 AM	271.7	2.7	0.3	0.9	13.0	90.4	115.9	39.7	7.3	1.4	0.1	0.0	0.0	0.0
8:00 AM	373.6	12.1	2.4	6.1	27.9	129.0	153.6	34.9	6.4	1.0	0.1	0.0	0.0	0.0
9:00 AM	394.7	13.1	3.3	7.0	28.1	121.9	171.9	44.3	4.9	0.3	0.0	0.0	0.0	0.0
10:00 AM	305.0	8.0	2.0	5.3	21.7	99.0	121.0	41.9	5.6	0.6	0.0	0.0	0.0	0.0
11:00 AM	273.4	9.7	1.3	3.4	16.3	88.4	111.7	37.7	4.4	0.4	0.0	0.0	0.0	0.0
12:00 PM	286.9	8.9	1.4	3.4	15.4	91.0	121.0	40.3	4.9	0.6	0.0	0.0	0.0	0.0
1:00 PM	305.4	10.3	2.3	1.9	21.6	90.6	129.1	42.4	6.1	0.7	0.4	0.0	0.0	0.0
2:00 PM	304.3	12.4	2.0	4.4	15.1	93.1	131.3	39.4	5.1	0.9	0.4	0.0	0.0	0.0
3:00 PM	316.4	18.9	2.1	4.3	16.3	96.4	134.7	39.3	3.6	0.7	0.1	0.0	0.0	0.0
4:00 PM	354.1	27.4	11.4	16.4	39.4	106.3	118.4	30.1	3.3	1.1	0.1	0.0	0.0	0.0
5:00 PM	342.7	30.6	2.6	3.4	14.6	104.0	140.6	39.7	5.6	1.1	0.6	0.0	0.0	0.0
6:00 PM	337.4	28.0	3.9	3.6	13.3	101.7	141.6	37.6	6.4	1.1	0.3	0.0	0.0	0.0
7:00 PM	318.9	22.4	2.9	3.0	15.9	106.9	132.3	29.0	5.6	0.9	0.1	0.0	0.0	0.0
8:00 PM	270.1	12.6	1.9	1.0	17.4	92.9	112.7	28.3	3.0	0.3	0.1	0.0	0.0	0.0
9:00 PM	188.9	4.7	0.6	1.4	15.0	66.4	72.1	23.7	4.3	0.4	0.1	0.0	0.0	0.0
10:00 PM	164.7	3.3	0.4	0.9	10.7	60.9	58.6	23.6	5.4	1.0	0.0	0.0	0.0	0.0
11:00 PM	123.4	1.7	0.9	1.0	7.0	35.7	55.7	18.3	2.7	0.3	0.1	0.0	0.0	0.0
ADT	5277.3	228.4	43.4	69.6	327.3	1668.3	2156.1	658.4	105.0	17.1	3.6	0.0	0.0	0.0

Percentile Speeds

	50%	85%	90%
(mph)	36.0	39.9	41.4

10 mph Pace Speed 31.5 - 41.5
Number in Pace 27424 (74.2 %)

Average 34.7 mph
Minimum 5.0 mph
Maximum 58.8 mph

Speeds Exceeded

	35 mph	40 mph	45 mph	50 mph	55 mph
	55.7 %	14.9 %	2.4 %	0.4 %	0.1 %
Count	20582	5489	880	145	25

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
WB	36941	1599	304	487	2291	11678	15093	4609	735	120	25	0	0	0
		4.3%	0.8%	1.3%	6.2%	31.6%	40.9%	12.5%	2.0%	0.3%	0.1%	0.0%	0.0%	0.0%

Town Of Brookhaven
Traffic Safety Division

Location: Hawkins Rd
Cross St: Boyle Rd
Hamlet: Selden

Site: 2025

Seven Day Volume

Interval Begin	Mon 3/31/2003 WB	Mon 3/31/2003 EB	Tue 4/1/2003 WB	Tue 4/1/2003 EB	Wed 4/2/2003 WB	Wed 4/2/2003 EB	Thu 4/3/2003 WB	Thu 4/3/2003 EB	Fri 4/4/2003 WB	Fri 4/4/2003 EB	Sat 4/5/2003 WB	Sat 4/5/2003 EB	Sun 4/6/2003 WB	Sun 4/6/2003 EB	Mon - Fri Average WB	Mon - Fri Average EB	Week Average WB	Week Average EB
12:00 AM	52	68	-	-	-	-	-	-	-	-	-	-	-	-	52.0	68.0	52.0	68.0
1:00 AM	**40**	**48**	-	-	-	-	-	-	-	-	-	-	-	-	**40.0**	**48.0**	**40.0**	**48.0**
2:00 AM	25	23	-	-	-	-	-	-	-	-	-	-	-	-	25.0	23.0	25.0	23.0
3:00 AM	**11**	**15**	-	-	-	-	-	-	-	-	-	-	-	-	**11.0**	**15.0**	**11.0**	**15.0**
4:00 AM	18	10	-	-	-	-	-	-	-	-	-	-	-	-	18.0	10.0	18.0	10.0
5:00 AM	**26**	**10**	-	-	-	-	-	-	-	-	-	-	-	-	**26.0**	**10.0**	**26.0**	**10.0**
6:00 AM	121	46	-	-	-	-	-	-	-	-	-	-	-	-	121.0	46.0	121.0	46.0
7:00 AM	**334**	**91**	-	-	-	-	-	-	-	-	-	-	-	-	**334.0**	**91.0**	**334.0**	**91.0**
8:00 AM	464	274	-	-	-	-	-	-	-	-	-	-	-	-	464.0	274.0	464.0	274.0
9:00 AM	**448**	**264**	-	-	-	-	-	-	-	-	-	-	-	-	**448.0**	**264.0**	**448.0**	**264.0**
10:00 AM	339	282	-	-	-	-	-	-	-	-	-	-	-	-	339.0	282.0	339.0	282.0
11:00 AM	**247**	**214**	-	-	-	-	-	-	-	-	-	-	-	-	**247.0**	**214.0**	**247.0**	**214.0**
12:00 PM	244	300	-	-	-	-	-	-	-	-	-	-	-	-	244.0	300.0	244.0	300.0
1:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2369	1645	-	-	-	-	-	-	-	-	-	-	-	-	2369.0	1645.0	2369.0	1645.0
Combined	4014		-		-		-		-		-		-		4014.0		4014.0	
Split (%)	59.0	41.0	-	-	-	-	-	-	-	-	-	-	-	-	59.0	41.0	59.0	41.0
Peak Hours																		
12:00 AM - 12:00 PM	8:00 AM	10:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	8:00 AM	10:00 AM	8:00 AM	10:00 AM
Volume	464	282	-	-	-	-	-	-	-	-	-	-	-	-	464.0	282.0	464.0	282.0
12:00 PM - 12:00 AM	12:00 PM	12:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	12:00 PM	12:00 PM	12:00 PM	12:00 PM
Volume	244	300	-	-	-	-	-	-	-	-	-	-	-	-	244.0	300.0	244.0	300.0

Town Of Brookhaven

Traffic Safety Division

Location: Hawkins Rd
Cross St: Boyle Rd
Hamlet: Selden

Site: 2025

Seven Day Volume

Interval Begin	Mon 3/24/2003		Tue 3/25/2003		Wed 3/26/2003		Thu 3/27/2003		Fri 3/28/2003		Sat 3/29/2003		Sun 3/30/2003		Mon - Fri Average		Week Average	
	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB
12:00 AM	-	-	72	94	79	101	81	120	72	106	139	156	128	149	76.0	105.3	95.2	121.0
1:00 AM	-	-	43	60	48	60	43	64	34	57	101	109	73	111	42.0	60.3	57.0	76.8
2:00 AM	-	-	24	26	25	25	22	30	26	43	49	74	48	64	24.3	31.0	32.3	43.7
3:00 AM	-	-	10	10	11	23	13	17	13	19	41	54	29	38	11.8	17.3	19.5	26.8
4:00 AM	-	-	19	18	29	14	26	17	22	30	32	27	26	13	24.0	19.8	25.7	19.8
5:00 AM	-	-	28	21	36	13	28	14	40	18	38	41	19	21	33.0	16.5	31.5	21.3
6:00 AM	-	-	118	37	130	38	112	52	121	32	41	20	37	29	120.3	39.8	93.2	34.7
7:00 AM	-	-	371	91	368	84	353	96	324	91	98	61	54	26	354.0	90.5	261.3	74.8
8:00 AM	-	-	463	246	483	252	506	238	460	253	174	127	65	74	478.0	247.3	358.5	198.3
9:00 AM	-	-	461	271	469	278	495	280	475	281	307	199	108	98	475.0	277.5	385.8	234.5
10:00 AM	-	-	316	269	309	304	303	267	345	263	333	249	190	147	318.3	275.8	299.3	249.8
11:00 AM	-	-	246	222	255	224	249	223	266	213	386	381	265	236	254.0	220.5	277.8	249.8
12:00 PM	-	-	259	243	257	246	264	250	262	304	388	401	334	287	260.5	260.8	294.0	288.5
1:00 PM	250	294	300	300	265	322	294	293	293	262	402	397	334	342	280.4	294.2	305.4	315.7
2:00 PM	287	334	284	303	291	288	262	317	275	332	382	415	349	356	279.8	314.8	304.3	335.0
3:00 PM	283	449	270	445	323	415	334	467	319	452	342	432	344	358	305.8	445.6	316.4	431.1
4:00 PM	359	468	363	480	352	515	339	448	347	535	384	452	335	349	352.0	489.2	354.1	463.9
5:00 PM	371	539	348	582	292	626	350	623	381	624	374	504	283	337	348.4	598.8	342.7	547.9
6:00 PM	343	604	355	630	358	622	350	626	367	620	307	476	282	325	354.6	620.4	337.4	557.6
7:00 PM	324	537	352	531	336	521	356	532	339	568	294	388	231	280	341.4	537.8	318.9	479.6
8:00 PM	245	373	314	398	302	446	264	366	321	418	258	325	187	264	289.2	400.2	270.1	370.0
9:00 PM	203	283	181	287	181	262	199	305	224	344	163	248	171	242	197.6	296.2	188.9	281.6
10:00 PM	175	221	143	160	151	238	181	267	195	266	182	190	126	140	169.0	230.4	164.7	211.7
11:00 PM	97	151	98	149	119	165	131	175	171	238	158	167	90	119	123.2	175.6	123.4	166.3
Totals	2937	4253	5438	5873	5469	6082	5555	6087	5692	6369	5373	5893	4108	4405	5512.4	6065.2	5257.6	5800.3
Combined	7190		11311		11551		11642		12061		11266		8513		11577.6		11057.9	
Split (%)	40.8	59.2	48.1	51.9	47.3	52.7	47.7	52.3	47.2	52.8	47.7	52.3	48.3	51.7	47.6	52.4	47.5	52.5
Peak Hours																		
12:00 AM - 12:00 PM	-	-	8:00 AM	9:00 AM	8:00 AM	10:00 AM	8:00 AM	9:00 AM	9:00 AM	9:00 AM	11:00 AM	11:00 AM	11:00 AM	11:00 AM	8:00 AM	9:00 AM	9:00 AM	10:00 AM
Volume	-	-	463	271	483	304	506	280	475	281	386	381	265	236	478.0	277.5	385.8	249.8
12:00 PM - 12:00 AM	5:00 PM	6:00 PM	4:00 PM	6:00 PM	6:00 PM	5:00 PM	7:00 PM	6:00 PM	5:00 PM	5:00 PM	1:00 PM	5:00 PM	2:00 PM	3:00 PM	6:00 PM	6:00 PM	4:00 PM	6:00 PM
Volume	371	604	363	630	358	626	356	626	381	624	402	504	349	358	354.6	620.4	354.1	557.6

Town Of Brookhaven
Traffic Safety Division

2025

Site:
Monday, 3/24/2003, 1:00:00 PM -
Monday, 3/31/2003, 1:00:00 PM

...awkins Rd
Boyle Rd
Selden

Speed Grand Totals
Combined

Hourly Averages

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	202.4	1.1	0.7	1.1	7.0	49.9	82.3	43.1	14.0	2.7	0.4	0.0	0.0	0.0
1:00 AM	127.3	0.0	0.1	0.3	6.0	24.4	49.9	35.6	9.0	1.6	0.4	0.0	0.0	0.0
2:00 AM	72.0	0.1	0.6	0.6	1.6	16.6	26.0	16.4	7.4	2.3	0.4	0.0	0.0	0.0
3:00 AM	43.4	0.1	0.0	0.0	0.9	8.9	16.1	11.1	4.4	1.7	0.1	0.0	0.0	0.0
4:00 AM	43.0	0.9	0.6	1.0	2.7	8.9	13.3	11.0	3.4	1.0	0.3	0.0	0.0	0.0
5:00 AM	50.4	0.0	0.3	0.7	1.4	12.1	15.4	12.7	4.4	2.1	1.1	0.0	0.0	0.0
6:00 AM	133.4	0.0	0.1	0.0	3.6	26.9	53.6	33.6	12.4	3.0	0.3	0.0	0.0	0.0
7:00 AM	348.9	7.4	0.4	1.0	15.1	101.6	146.0	58.4	15.4	3.3	0.1	0.0	0.0	0.0
8:00 AM	582.7	25.9	3.1	11.1	45.6	173.9	219.3	80.6	19.3	3.6	0.4	0.0	0.0	0.0
9:00 AM	633.4	30.6	5.1	10.1	38.7	175.7	259.4	96.6	15.0	2.0	0.1	0.0	0.0	0.0
10:00 AM	559.4	20.0	12.0	14.7	40.0	162.1	202.6	87.1	18.4	2.1	0.3	0.0	0.0	0.0
11:00 AM	518.1	22.6	3.6	7.9	28.0	144.7	201.9	89.3	17.9	2.3	0.1	0.0	0.0	0.0
12:00 PM	577.0	21.0	4.7	8.1	33.3	157.7	231.4	100.0	17.9	2.7	0.1	0.0	0.0	0.0
1:00 PM	621.1	22.1	3.7	5.1	36.1	160.4	258.6	111.6	20.0	2.4	1.0	0.0	0.0	0.0
2:00 PM	639.3	27.1	5.1	10.1	33.3	166.9	264.0	110.0	20.3	1.9	0.6	0.0	0.0	0.0
3:00 PM	747.6	45.0	10.9	22.0	47.9	203.6	289.3	112.6	14.0	1.7	0.7	0.0	0.0	0.0
4:00 PM	818.0	64.4	30.0	51.4	105.3	236.6	245.3	73.6	8.9	1.7	0.9	0.0	0.0	0.0
5:00 PM	890.6	73.3	21.9	34.0	93.6	275.1	294.0	84.3	10.3	2.6	1.6	0.0	0.0	0.0
6:00 PM	895.0	63.4	27.0	47.4	106.7	265.0	288.6	81.1	13.3	2.0	0.4	0.0	0.0	0.0
7:00 PM	798.4	53.1	12.6	19.1	80.3	266.1	276.1	75.9	13.3	1.6	0.3	0.0	0.0	0.0
8:00 PM	640.1	27.9	4.1	7.4	54.4	233.0	237.3	65.0	9.4	1.1	0.4	0.0	0.0	0.0
9:00 PM	470.4	10.6	1.0	3.4	34.4	164.3	182.7	62.1	10.1	1.0	0.7	0.0	0.0	0.0
10:00 PM	376.4	7.4	0.7	2.0	24.0	129.6	142.4	57.1	10.7	2.1	0.3	0.0	0.0	0.0
11:00 PM	289.7	3.3	1.3	2.1	12.7	77.6	129.7	52.6	9.0	1.3	0.1	0.0	0.0	0.0
ADT	11078.3	527.4	149.7	261.0	852.6	3241.4	4125.1	1561.4	298.3	49.9	11.4	0.0	0.0	0.0

Percentile Speeds (mph)	50%	85%	90%
	36.0	40.6	42.2
10 mph Pace Speed	31.5 - 41.5		
Number in Pace	53092 (68.5 %)		
Average	34.5 mph		
Minimum	5.0 mph		
Maximum	58.8 mph		

Speeds Exceeded	35 mph	40 mph	45 mph	50 mph	55 mph
Count	54.6 %	17.3 %	3.2 %	0.6 %	0.1 %
	42323	13447	2517	429	80

Study Grand Totals

mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
WB	36941	1599	304	487	2291	11678	15093	4609	735	120	25	0	0	0
		4.3%	0.8%	1.3%	6.2%	31.6%	40.9%	12.5%	2.0%	0.3%	0.1%	0.0%	0.0%	0.0%
EB	40607	2093	744	1340	3677	11012	13783	6321	1353	229	55	0	0	0
		5.2%	1.8%	3.3%	9.1%	27.1%	33.9%	15.6%	3.3%	0.6%	0.1%	0.0%	0.0%	0.0%
Combined	77548	3692	1048	1827	5968	22690	28876	10930	2088	349	80	0	0	0
		4.8%	1.4%	2.4%	7.7%	29.3%	37.2%	14.1%	2.7%	0.5%	0.1%	0.0%	0.0%	0.0%

Town Of Brookhaven
Traffic Safety Division

Location: Hawkins Rd
Cross St: Boyle Rd
Hamlet: Selden

Site: 2025
Monday, 3/24/2003, 1:00:00 PM -
Monday, 3/31/2003, 1:00:00 PM

Classification Grand Totals
WB

Hourly Averages

	Total	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double
12:00 AM	89.0	82.6	5.1	0.0	1.0	0.0	0.1	0.1	0.0	0.0
1:00 AM	**54.6**	**50.9**	**3.6**	**0.0**	**0.0**	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**
2:00 AM	31.3	30.0	1.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
3:00 AM	**18.3**	**16.9**	**1.0**	**0.0**	**0.1**	**0.3**	**0.0**	**0.0**	**0.0**	**0.0**
4:00 AM	24.6	20.1	3.4	0.0	0.9	0.1	0.0	0.0	0.0	0.0
5:00 AM	**30.7**	**27.3**	**3.1**	**0.0**	**0.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
6:00 AM	97.1	80.6	12.1	0.0	3.0	1.1	0.0	0.0	0.3	0.0
7:00 AM	**271.7**	**221.7**	**30.4**	**6.9**	**11.7**	**0.0**	**0.0**	**0.9**	**0.1**	**0.0**
8:00 AM	373.6	299.9	43.6	10.3	15.3	0.3	0.1	4.0	0.1	0.0
9:00 AM	**394.7**	**320.4**	**46.7**	**6.1**	**15.3**	**0.4**	**0.0**	**5.0**	**0.7**	**0.0**
10:00 AM	305.0	243.6	40.6	4.4	12.1	1.0	0.0	2.9	0.4	0.0
11:00 AM	**273.4**	**221.4**	**34.0**	**4.1**	**10.7**	**0.1**	**0.0**	**2.9**	**0.0**	**0.1**
12:00 PM	286.9	235.0	33.1	4.0	12.0	0.3	0.0	2.4	0.0	0.0
1:00 PM	**305.4**	**252.4**	**33.7**	**4.7**	**11.9**	**0.3**	**0.0**	**2.4**	**0.0**	**0.0**
2:00 PM	304.3	241.7	35.7	7.9	14.3	0.3	0.0	4.4	0.0	0.0
3:00 PM	**316.4**	**248.3**	**34.4**	**13.4**	**14.0**	**0.1**	**0.0**	**6.1**	**0.0**	**0.0**
4:00 PM	354.1	265.1	46.7	15.9	16.0	0.6	0.0	9.4	0.4	0.0
5:00 PM	**342.7**	**265.0**	**37.9**	**14.6**	**17.3**	**0.6**	**0.0**	**7.3**	**0.1**	**0.0**
6:00 PM	337.4	264.7	36.6	11.6	16.1	0.4	0.0	7.7	0.1	0.1
7:00 PM	**318.9**	**253.0**	**38.7**	**8.4**	**12.1**	**0.3**	**0.1**	**6.1**	**0.0**	**0.0**
8:00 PM	270.1	226.9	29.6	4.7	6.4	0.3	0.0	2.1	0.1	0.0
9:00 PM	**188.9**	**165.1**	**16.7**	**1.4**	**4.7**	**0.0**	**0.0**	**0.9**	**0.0**	**0.0**
10:00 PM	164.7	145.1	14.6	0.6	4.1	0.0	0.0	0.3	0.0	0.0
11:00 PM	**123.4**	**112.4**	**8.4**	**0.4**	**1.7**	**0.0**	**0.0**	**0.4**	**0.0**	**0.0**
ADT	5277.3	4290.1	590.9	119.4	201.1	6.6	0.9	65.4	2.6	0.3

Study Grand Totals

	Total	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double
WB	36941	30031	4136	836	1408	46	6	458	18	2
		81.3%	11.2%	2.3%	3.8%	0.1%	0.0%	1.2%	0.0%	0.0%

Town Of Brookhaven
Traffic Safety Division

Location: Hawkins Rd
Cross St: Boyle Rd
Hamlet: Selden

Site: 2025
Monday, 3/24/2003, 1:00:00 PM - Monday, 3/31/2003, 1:00:00 PM

Classification Grand Totals
Combined

Hourly Averages

	Total	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double
12:00 AM	202.4	185.9	14.3	0.0	2.0	0.0	0.1	0.1	0.0	0.0
1:00 AM	**127.3**	**118.3**	**8.7**	**0.0**	**0.1**	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**
2:00 AM	72.0	67.9	3.7	0.0	0.0	0.1	0.3	0.0	0.0	0.0
3:00 AM	**43.4**	**40.0**	**2.7**	**0.1**	**0.1**	**0.4**	**0.0**	**0.0**	**0.0**	**0.0**
4:00 AM	43.0	34.6	6.3	0.3	1.3	0.6	0.0	0.0	0.0	0.0
5:00 AM	**50.4**	**43.1**	**6.7**	**0.3**	**0.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
6:00 AM	133.4	111.1	16.7	0.3	3.9	1.1	0.0	0.0	0.3	0.0
7:00 AM	**348.9**	**278.9**	**44.7**	**8.4**	**14.6**	**0.3**	**0.0**	**1.9**	**0.1**	**0.0**
8:00 AM	582.7	443.7	75.3	20.6	32.4	0.7	0.4	9.4	0.1	0.0
9:00 AM	**633.4**	**498.7**	**78.0**	**13.3**	**30.9**	**1.0**	**0.0**	**10.3**	**1.3**	**0.0**
10:00 AM	559.4	427.3	76.4	17.0	29.0	1.4	0.0	7.4	0.9	0.0
11:00 AM	**518.1**	**410.6**	**66.7**	**8.0**	**24.9**	**0.3**	**0.0**	**7.3**	**0.3**	**0.1**
12:00 PM	577.0	461.9	72.3	7.7	26.4	0.9	0.1	7.7	0.0	0.0
1:00 PM	**621.1**	**512.7**	**68.6**	**10.9**	**22.9**	**0.4**	**0.1**	**5.6**	**0.0**	**0.0**
2:00 PM	639.3	505.7	79.7	13.6	30.1	0.9	0.1	8.9	0.3	0.0
3:00 PM	**747.6**	**570.6**	**87.3**	**38.9**	**35.9**	**0.4**	**0.0**	**14.1**	**0.4**	**0.0**
4:00 PM	818.0	605.6	112.6	38.1	36.4	1.0	0.3	23.3	0.6	0.1
5:00 PM	**890.6**	**681.0**	**101.9**	**37.7**	**44.7**	**1.4**	**0.3**	**22.7**	**0.9**	**0.0**
6:00 PM	895.0	712.9	96.4	27.7	35.1	0.7	0.4	20.9	0.6	0.3
7:00 PM	**798.4**	**631.0**	**95.7**	**20.9**	**30.3**	**0.6**	**0.1**	**19.3**	**0.3**	**0.3**
8:00 PM	640.1	540.0	64.4	9.7	17.1	0.4	0.0	8.0	0.4	0.0
9:00 PM	**470.4**	**410.6**	**44.4**	**2.7**	**10.9**	**0.1**	**0.0**	**1.7**	**0.0**	**0.0**
10:00 PM	376.4	331.1	34.9	1.7	7.7	0.0	0.0	1.0	0.0	0.0
11:00 PM	**289.7**	**258.0**	**26.3**	**0.6**	**4.3**	**0.0**	**0.0**	**0.6**	**0.0**	**0.0**
ADT	11078.3	8881.0	1284.7	278.4	441.3	12.9	2.6	170.1	6.4	0.9

Study Grand Totals

	Total	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double
WB	36941	30031	4136	836	1408	46	6	458	18	2
		81.3%	11.2%	2.3%	3.8%	0.1%	0.0%	1.2%	0.0%	0.0%
EB	40607	32136	4857	1113	1681	44	12	733	27	4
		79.1%	12.0%	2.7%	4.1%	0.1%	0.0%	1.8%	0.1%	0.0%
Combined	77548	62167	8993	1949	3089	90	18	1191	45	6
		80.2%	11.6%	2.5%	4.0%	0.1%	0.0%	1.5%	0.1%	0.0%

HCS2000: Signalized Intersections Release 4.1e

Analyst: BSL
Agency: Town of Brookhaven
Date: 3/14/2007
Period: PM Peak Period
Project ID: Protected Phase [redacted]
E/W St: Hawkins Rd

Inter.: Boyle Rd at Hawkins Rd
Area Type: All other areas
Jurisd: TOB
Year : 2007 Existing
N/S St: Boyle Rd

COPY

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	1	1	1	1	1	1	1	0	1	1	0
LGConfig	L	T	R	L	T	R	L	TR		L	TR	
Volume	66	325	177	52	197	20	87	290	60	32	206	77
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0		12.0	11.0	
RTOR Vol			0			0			0			0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4	5	6	7	8
EB Left	A				NB Left	A		
Thru		P			Thru		P	
Right		P			Right		P	
Peds		X			Peds			
WB Left	A				SB Left	A		
Thru		P			Thru		P	
Right		P			Right		P	
Peds		X			Peds		X	
NB Right					EB Right			
SB Right					WB Right			
Green	8.0	35.0				8.0	17.0	
Yellow	2.0	3.0				2.0	3.0	
All Red	2.0	3.0				2.0	3.0	

Cycle Length: 88.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	181	1770	0.40	0.10	38.5	D		
T	762	1863	0.47	0.41	21.2	C	22.5	C
R	628	1534	0.31	0.41	18.9	B		
Westbound								
L	181	1770	0.32	0.10	37.7	D		
T	762	1863	0.29	0.41	18.4	B	21.9	C
R	648	1583	0.03	0.41	15.7	B		
Northbound								
L	181	1770	0.54	0.10	40.6	D		
TR	359	1754	1.08	0.20	106.7	F	93.5	F
Southbound								
L	181	1770	0.20	0.10	36.7	D		
TR	347	1697	0.91	0.20	63.9	E	61.1	E

Intersection Delay = 49.6 (sec/veh) Intersection LOS = D

HCS2000: Signalized Intersections Release 4.1e

Brian S Lenz
Town of Brookhaven
1 Independence Hill
Farmingville NY 11738

Phone: (631) 451-6480 Fax: (631) 451-6256
E-Mail: blenz@brookhaven.org

OPERATIONAL ANALYSIS

Analyst:	BSL
Agency/Co.:	Town of Brookhaven
Date Performed:	3/14/2007
Analysis Time Period:	PM Peak Period
Intersection:	Boyle Rd at Hawkins Rd
Area Type:	All other areas
Jurisdiction:	TOB
Analysis Year:	2007 Existing
Project ID:	Protected Phase to Permissive Protected Phase
	East/West Street: Hawkins Rd; North/South Street: Boyle Rd

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume	66	325	177	52	197	20	87	290	60	32	206	77
% Heavy Veh	2	2	2	2	2	2	2	2	2	2	2	2
PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PK 15 Vol	18	90	49	14	55	6	24	81	17	9	57	21
Hi Ln Vol												
% Grade		0			0			0			0	
Ideal Sat	1900	1900	1900	1900	1900	1900	1900	1900		1900	1900	
ParkExist												
NumPark												
No. Lanes	1	1	1	1	1	1	1	1	0	1	1	0
LGConfig	L	T	R	L	T	R	L	TR		L	TR	
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0		12.0	11.0	
RTOR Vol			0			0			0			0
Adj Flow	73	361	197	58	219	22	97	389		36	315	
%InSharedLn												
Prop LTs		0.000			0.000			0.000			0.000	
Prop RTs		0.000	1.000		0.000	1.000		0.172			0.273	
Peds Bikes		25	0		0	0		25			25	0
Buses	0	0	0	0	0	0	0	0		0	0	
%InProtPhase												

Duration 0.25 Area Type: All other areas

OPERATING PARAMETERS

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Init Unmet	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Arriv. Type	3	3	3	3	3	3	3	3		3	3	
Unit Ext.	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
I Factor		1.000			1.000			1.000			1.000	
Lost Time	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.0	2.0	
Ext of g	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	

Ped Min g	21.4		14.6	14.6

PHASE DATA

Phase Combination	1	2	3	4	5	6	7	8
EB Left	A				NB Left	A		
Thru		P			Thru		P	
Right		P			Right		P	
Peds		X			Peds			
WB Left	A				SB Left	A		
Thru		P			Thru		P	
Right		P			Right		P	
Peds		X			Peds		X	
NB Right					EB Right			
SB Right					WB Right			
Green	8.0	35.0			8.0	17.0		
Yellow	2.0	3.0			2.0	3.0		
All Red	2.0	3.0			2.0	3.0		

Cycle Length: 88.0 secs

VOLUME ADJUSTMENT AND SATURATION FLOW WORKSHEET

Volume Adjustment

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume, V	66	325	177	52	197	20	87	290	60	32	206	77
PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Adj flow	73	361	197	58	219	22	97	322	67	36	229	86
No. Lanes	1	1	1	1	1	1	1	1	0	1	1	0
Lane group	L	T	R	L	T	R	L	TR		L	TR	
Adj flow	73	361	197	58	219	22	97	389		36	315	
Prop LTs		0.000			0.000			0.000			0.000	
Prop RTs		0.000	1.000		0.000	1.000		0.172			0.273	

Saturation Flow Rate (see Exhibit 16-7 to determine the adjustment factors)

	Eastbound			Westbound			Northbound			Southbound		
LG	L	T	R	L	T	R	L	TR		L	TR	
So	1900	1900	1900	1900	1900	1900	1900	1900		1900	1900	
Lanes	1	1	1	1	1	1	1	1	0	1	1	0
fW	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.967		1.000	0.967	
fHV	0.980	0.980	0.980	0.980	0.980	0.980	0.980	0.980		0.980	0.980	
fG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	
fP	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	
fBB	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	
fA	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	
fLU	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	
fRT		1.000	0.850		1.000	0.850		0.974			0.959	
fLT	0.950	1.000		0.950	1.000		0.950	1.000		0.950	1.000	
Sec.												
fLpb	1.000	1.000		1.000	1.000		1.000	1.000		1.000	1.000	
fRpb		1.000	0.969		1.000	1.000		1.000			0.982	
S	1770	1863	1534	1770	1863	1583	1770	1754		1770	1697	
Sec.												

CAPACITY AND LOS WORKSHEET

Capacity Analysis and Lane Group Capacity

Appr/ Mvmt	Lane Group	Adj Flow Rate (v)	Adj Sat Flow Rate (s)	Flow Ratio (v/s)	Green Ratio (g/C)	--Lane Group-- Capacity (c)	v/c Ratio
Eastbound							
Prot							
Perm							
Left	L	73	1770	# 0.04	0.10	181	0.40
Prot							
Perm							
Thru	T	361	1863	# 0.19	0.41	762	0.47
Right	R	197	1534	0.13	0.41	628	0.31
Westbound							
Prot							
Perm							
Left	L	58	1770	0.03	0.10	181	0.32
Prot							
Perm							
Thru	T	219	1863	0.12	0.41	762	0.29
Right	R	22	1583	0.01	0.41	648	0.03
Northbound							
Prot							
Perm							
Left	L	97	1770	# 0.05	0.10	181	0.54
Prot							
Perm							
Thru	TR	389	1754	# 0.22	0.20	359	1.08
Right							
Southbound							
Prot							
Perm							
Left	L	36	1770	0.02	0.10	181	0.20
Prot							
Perm							
Thru	TR	315	1697	0.19	0.20	347	0.91
Right							

Sum of flow ratios for critical lane groups, Yc = Sum (v/s) = 0.51
Total lost time per cycle, L = 16.00 sec
Critical flow rate to capacity ratio, Xc = (Yc)(C)/(C-L) = 0.63

Control Delay and LOS Determination

Appr/ Lane Grp	Ratios v/c	Ratios g/C	Unf Del d1	Prog Adj Fact	Lane Grp Cap	Incremental Factor k	Incremental Del d2	Res Del d3	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound												
L	0.40	0.10	37.0	1.000	181	0.11	1.5	0.0	38.5	D		
T	0.47	0.41	19.1	1.000	762	0.50	2.1	0.0	21.2	C	22.5	C
R	0.31	0.41	17.6	1.000	628	0.50	1.3	0.0	18.9	B		
Westbound												
L	0.32	0.10	36.7	1.000	181	0.11	1.0	0.0	37.7	D		
T	0.29	0.41	17.4	1.000	762	0.50	0.9	0.0	18.4	B	21.9	C
R	0.03	0.41	15.6	1.000	648	0.50	0.1	0.0	15.7	B		
Northbound												
L	0.54	0.10	37.5	1.000	181	0.14	3.1	0.0	40.6	D		
TR	1.08	0.20	35.0	1.000	359	0.50	71.7	0.0	106.7	F	93.5	F
Southbound												
L	0.20	0.10	36.2	1.000	181	0.11	0.5	0.0	36.7	D		

HCS2000: Signalized Intersections Release 4.1e

Analyst: BSL
Agency: Town of Brookhaven
Date: 3/14/2007
Period: PM Peak Period
Project ID: Protected Phase to Permissive Protected Phase
E/W St: Hawkins Rd

Inter.: Boyle Rd at Hawkins Rd
Area Type: All other areas
Jurisd: TOB
Year : Proposed 2007
N/S St: Boyle Rd

COPY

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	1	1	1	1	1	1	1	0	1	1	0
LGConfig	L	T	R	L	T	R	L	TR		L	TR	
Volume	66	325	177	52	197	20	87	290	60	32	206	77
Lane Width	12.0	11.0	12.0	12.0	11.0	12.0	12.0	12.0		12.0	12.0	
RTOR Vol			0			0			0			0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination		1	2	3	4			5	6	7	8
EB	Left	A	A			NB	Left	A	A		
	Thru		P				Thru		A		
	Right		P				Right		A		
	Peds		X				Peds				
WB	Left	A	A			SB	Left	A	A		
	Thru		P				Thru		A		
	Right		P				Right		A		
	Peds		X				Peds		X		
NB	Right					EB	Right	P			
SB	Right					WB	Right	P			
Green		7.0	25.0					7.0	25.0		
Yellow		2.0	3.0					2.0	3.0		
All Red			2.0					0.0	2.0		

Cycle Length: 78.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	459	1770	0.16	0.45	12.9	B		
T	600	1801	0.60	0.33	26.1	C	20.4	C
R	741	1522	0.27	0.49	12.7	B		
Westbound								
L	338	1739	0.17	0.45	13.7	B		
T	600	1801	0.37	0.33	21.4	C	19.1	B
R	771	1583	0.03	0.49	10.5	B		
Northbound								
L	391	1735	0.25	0.45	13.7	B		
TR	605	1815	0.64	0.33	24.4	C	22.3	C
Southbound								
L	343	1770	0.10	0.45	13.6	B		
TR	589	1767	0.53	0.33	22.1	C	21.2	C

Intersection Delay = 20.8 (sec/veh) Intersection LOS = C

NOTE: < 20 SEC = LOS B

Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst:	BSL
Agency/Co.:	Town of Brookhaven
Date Performed:	3/14/2007
Analysis Time Period:	PM Peak Period
Intersection:	Boyle Rd at Hawkins Rd
Area Type:	All other areas
Jurisdiction:	TOB
Analysis Year:	Proposed 2007

Project ID: Protected Phase to Permissive Protected Phase

East/West Street: Hawkins Rd — North/South Street: Boyle Rd

VOLUME DATA

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume	66	325	177	52	197	20	87	290	60	32	206	77
% Heavy Veh	2	2	2	2	2	2	2	2	2	2	2	2
PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PK 15 Vol	18	90	49	14	55	6	24	81	17	9	57	21
Hi Ln Vol												
% Grade		0			0			0			0	
Ideal Sat	1900	1900	1900	1900	1900	1900	1900	1900		1900	1900	
ParkExist												
NumPark												
No. Lanes	1	1	1	1	1	1	1	1	0	1	1	0
LGConfig	L	T	R	L	T	R	L	TR		L	TR	
Lane Width	12.0	11.0	12.0	12.0	11.0	12.0	12.0	12.0		12.0	12.0	
RTOR Vol			0			0			0			0
Adj Flow	73	361	197	58	219	22	97	389		36	315	
%InSharedLn												
Prop LTs	1.000	0.000		1.000	0.000		1.000	0.000		1.000	0.000	
Prop RTs		0.000	1.000		0.000	1.000		0.172			0.273	
Peds Bikes		25	0		0	0		25			25	0
Buses	0	0	0	0	0	0	0	0		0	0	
%InProtPhase	0.0		0.0	0.0		0.0	0.0			0.0		

Duration 0.25 Area Type: All other areas

OPERATING PARAMETERS

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Init Unmet	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Arriv. Type	3	3	3	3	3	3	3	3		3	3	
Unit Ext.	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
I Factor		1.000			1.000			1.000			1.000	
Lost Time	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.0	2.0	
Ext of g	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	

Ped Min g	21.3		14.6	14.6

PHASE DATA

Phase Combination	1	2	3	4	5	6	7	8
EB Left	A	A			NB Left	A	A	
Thru		P			Thru		A	
Right		P			Right		A	
Peds		X			Peds			
WB Left	A	A			SB Left	A	A	
Thru		P			Thru		A	
Right		P			Right		A	
Peds		X			Peds		X	
NB Right					EB Right	P		
SB Right					WB Right	P		
Green	7.0	25.0				7.0	25.0	
Yellow	2.0	3.0				2.0	3.0	
All Red		2.0				0.0	2.0	

Cycle Length: 78.0 secs

VOLUME ADJUSTMENT AND SATURATION FLOW WORKSHEET

Volume Adjustment

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume, V	66	325	177	52	197	20	87	290	60	32	206	77
PHF	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Adj flow	73	361	197	58	219	22	97	322	67	36	229	86
No. Lanes	1	1	1	1	1	1	1	1	0	1	1	0
Lane group	L	T	R	L	T	R	L	TR		L	TR	
Adj flow	73	361	197	58	219	22	97	389		36	315	
Prop LTs	1.000	0.000		1.000	0.000		1.000	0.000		1.000	0.000	
Prop RTs		0.000	1.000		0.000	1.000		0.172			0.273	

Saturation Flow Rate (see Exhibit 16-7 to determine the adjustment factors)

	Eastbound			Westbound			Northbound			Southbound		
LG	L	T	R	L	T	R	L	TR		L	TR	
So	1900	1900	1900	1900	1900	1900	1900	1900		1900	1900	
Lanes	1	1	1	1	1	1	1	1	0	1	1	0
fW	1.000	0.967	1.000	1.000	0.967	1.000	1.000	1.000		1.000	1.000	
fHV	0.980	0.980	0.980	0.980	0.980	0.980	0.980	0.980		0.980	0.980	
fG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	
fP	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	
fBB	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	
fA	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	
fLU	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	
fRT		1.000	0.850		1.000	0.850		0.974			0.959	
fLT	0.950	1.000		0.950	1.000		0.950	1.000		0.950	1.000	
Sec.	0.467			0.300			0.337			0.249		
fLpb	1.000	1.000		0.983	1.000		0.980	1.000		1.000	1.000	
fRpb		1.000	0.961		1.000	1.000		1.000			0.989	
S	1770	1801	1522	1739	1801	1583	1735	1815		1770	1767	
Sec.	870			549			615			465		

CAPACITY AND LOS WORKSHEET

Capacity Analysis and Lane Group Capacity

Appr/ Mvmt	Lane Group	Adj Flow Rate (v)	Adj Sat Flow Rate (s)	Flow Ratio (v/s)	Green Ratio (g/C)	--Lane Group-- Capacity (c)	v/c Ratio
Eastbound							
Prot		73	1770	# 0.04	0.077	136	0.54
Perm		0	870	0.00	0.372	323	0.00
Left	L	73			0.45	459	0.16
Prot							
Perm							
Thru	T	361	1801	# 0.20	0.33	600	0.60
Right	R	197	1522	0.13	0.49	741	0.27
Westbound							
Prot		58	1739	0.03	0.077	134	0.43
Perm		0	549	0.00	0.372	204	0.00
Left	L	58			0.45	338	0.17
Prot							
Perm							
Thru	T	219	1801	0.12	0.33	600	0.37
Right	R	22	1583	0.01	0.49	771	0.03
Northbound							
Prot		97	1735	# 0.06	0.103	178	0.54
Perm		0	615	0.00	0.346	213	0.00
Left	L	97			0.45	391	0.25
Prot							
Perm							
Thru	TR	389	1815	# 0.21	0.33	605	0.64
Right							
Southbound							
Prot		36	1770	0.02	0.103	182	0.20
Perm		0	465	0.00	0.346	161	0.00
Left	L	36			0.45	343	0.10
Prot							
Perm							
Thru	TR	315	1767	0.18	0.33	589	0.53
Right							

Sum of flow ratios for critical lane groups, Yc = Sum (v/s) = 0.51
Total lost time per cycle, L = 16.00 sec
Critical flow rate to capacity ratio, Xc = (Yc)(C)/(C-L) = 0.64

Control Delay and LOS Determination

Appr/ Lane Grp	Ratios v/c	Ratios g/C	Unf Del d1	Prog Adj Fact	Lane Grp Cap	Incremental Factor k	Incremental Del d2	Res Del d3	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound												
L	0.16	0.45	12.7	1.000	459	0.11	0.2	0.0	12.9	B		
T	0.60	0.33	21.7	1.000	600	0.50	4.4	0.0	26.1	C	20.4	C
R	0.27	0.49	11.8	1.000	741	0.50	0.9	0.0	12.7	B		
Westbound												
L	0.17	0.45	13.4	1.000	338	0.11	0.2	0.0	13.7	B		
T	0.37	0.33	19.7	1.000	600	0.50	1.7	0.0	21.4	C	19.1	B
R	0.03	0.49	10.4	1.000	771	0.50	0.1	0.0	10.5	B		
Northbound												
L	0.25	0.45	13.4	1.000	391	0.11	0.3	0.0	13.7	B		
TR	0.64	0.33	22.1	1.000	605	0.22	2.3	0.0	24.4	C	22.3	C
Southbound												
L	0.10	0.45	13.5	1.000	343	0.11	0.1	0.0	13.6	B		

TR	0.53	0.33	21.1	1.000	589	0.14	1.0	0.0	22.1	C	21.2	C

Intersection delay = 20.8 (sec/veh) Intersection LOS = C

SUPPLEMENTAL PERMITTED LT WORKSHEET
for exclusive lefts

Input

		EB	WB	NB	SB
Opposed by Single(S) or Multiple(M) lane approach		M	M	M	M
Cycle length, C	78.0 sec				
Total actual green time for LT lane group, G (s)		34.0	34.0	34.0	34.0
Effective permitted green time for LT lane group, g(s)		29.0	29.0	27.0	27.0
Opposing effective green time, go (s)		26.0	26.0	26.0	26.0
Number of lanes in LT lane group, N		1	1	1	1
Number of lanes in opposing approach, No		1	1	1	1
Adjusted LT flow rate, VLT (veh/h)		73	58	97	36
Proportion of LT in LT lane group, PLT		1.000	1.000	1.000	1.000
Proportion of LT in opposing flow, PLTo		0.00	0.00	0.00	0.00
Adjusted opposing flow rate, Vo (veh/h)		219	361	315	389
Lost time for LT lane group, tL		4.00	4.00	4.00	4.00
Computation					
LT volume per cycle, LTC=VLTC/3600		1.58	1.26	2.10	0.78
Opposing lane util. factor, fLUo		1.000	1.000	1.000	1.000
Opposing flow, Volc=VoC/[3600(No)fLUo] (veh/ln/cyc)		4.74	7.82	6.82	8.43
gf=G[exp(- a * (LTC ** b))]-tl, gf<=g		0.0	0.0	0.0	0.0
Opposing platoon ratio, Rpo (refer Exhibit 16-11)		1.00	1.00	1.00	1.00
Opposing Queue Ratio, qro=Max[1-Rpo(go/C),0]		0.67	0.67	0.67	0.67
gq, (see Exhibit C16-4,5,6,7,8)		7.20	13.05	11.03	14.34
gu=g-gq if gq>=gf, or = g-gf if gq<gf		21.80	15.95	15.97	12.66
n=Max(gq-gf)/2,0)		3.60	6.52	5.52	7.17
PTHo=1-PLTo		1.00	1.00	1.00	1.00
PL*=PLT[1+(N-1)g/(gf+gu/EL1+4.24)]		1.00	1.00	1.00	1.00
EL1 (refer to Exhibit C16-3)		1.61	1.83	1.76	1.88
EL2=Max((1-Ptho**n)/Plto, 1.0)					
fmin=2(1+PL)/g or fmin=2(1+P1)/g		0.14	0.14	0.15	0.15
gdiff=max(gq-gf,0)		0.00	0.00	0.00	0.00
fm=[gf/g]+[gu/g]/[1+PL(EL1-1)], (min=fmin;max=1.00)		0.47	0.30	0.34	0.25
flt=fm=[gf/g]+[gu/g]/[1+PL(EL1-1)]+[gdiff/g]/[1+PL(EL2-1)],(fmin<=fm<=1.00)					
or flt=[fm+0.91(N-1)]/N**					
Left-turn adjustment, fLT		0.467	0.300	0.337	0.249

For special case of single-lane approach opposed by multilane approach, see text.
* If P1>=1 for shared left-turn lanes with N>1, then assume de-facto left-turn lane and redo calculations.
** For permitted left-turns with multiple exclusive left-turn lanes, flt=fm.
For special case of multilane approach opposed by single-lane approach or when gf>gq, see text.

SUPPLEMENTAL PERMITTED LT WORKSHEET
for shared lefts

Input

		EB	WB	NB	SB
Opposed by Single(S) or Multiple(M) lane approach					
Cycle length, C	78.0 sec				
Total actual green time for LT lane group, G (s)					
Effective permitted green time for LT lane group, g(s)					
Opposing effective green time, go (s)					

Number of lanes in LT lane group, N				
Number of lanes in opposing approach, No				
Adjusted LT flow rate, VLT (veh/h)				
Proportion of LT in LT lane group, PLT	0.000	0.000	0.000	0.000
Proportion of LT in opposing flow, PLTo				
Adjusted opposing flow rate, Vo (veh/h)				
Lost time for LT lane group, tL				
Computation				
LT volume per cycle, LTC=VLTC/3600				
Opposing lane util. factor, fLUo	1.000	1.000	1.000	1.000
Opposing flow, Volc=VoC/[3600(No)fLUo] (veh/ln/cyc)				
gf=G[exp(- a * (LTC ** b))]-tl, gf<=g				
Opposing platoon ratio, Rpo (refer Exhibit 16-11)				
Opposing Queue Ratio, qro=Max[1-Rpo(go/C),0]				
gq, (see Exhibit C16-4,5,6,7,8)				
gu=g-gq if gq>=gf, or = g-gf if gq<gf				
n=Max(gq-gf)/2,0)				
PTHo=1-PLTo				
PL*=PLT[1+(N-1)g/(gf+gu/EL1+4.24)]				
EL1 (refer to Exhibit C16-3)				
EL2=Max((1-Ptho**n)/Plto, 1.0)				
fmin=2(1+PL)/g or fmin=2(1+Pl)/g				
gdiff=max(gq-gf,0)				
fm=[gf/g]+[gu/g]/[1+PL(EL1-1)], (min=fmin;max=1.00)				
flt=fm=[gf/g]+[gu/g]/[1+PL(EL1-1)]+[gdiff/g]/[1+PL(EL2-1)],(fmin<=fm<=1.00)				
or flt=[fm+0.91(N-1)]/N**				
Left-turn adjustment, fLT				

For special case of single-lane approach opposed by multilane approach, see text.

* If Pl>=1 for shared left-turn lanes with N>1, then assume de-facto left-turn lane and redo calculations.

** For permitted left-turns with multiple exclusive left-turn lanes, flt=fm.

For special case of multilane approach opposed by single-lane approach or when gf>gq, see text.

SUPPLEMENTAL PEDESTRIAN-BICYCLE EFFECTS WORKSHEET

Permitted Left Turns	EB	WB	NB	SB
Effective pedestrian green time, gp (s)	25.0	25.0	25.0	
Conflicting pedestrian volume, Vped (p/h)	0	25	25	
Pedestrian flow rate, Vpedg (p/h)	0	78	78	
OCCpedg	0.000	0.039	0.039	
Opposing queue clearing green, gq (s)	7.20	13.05	11.03	
Eff. ped. green consumed by opp. veh. queue, gq/gp	0.288	0.522	0.441	
OCCpedu	0.000	0.029	0.030	
Opposing flow rate, Vo (veh/h)	219	361	315	
OCCr	0.000	0.017	0.020	
Number of cross-street receiving lanes, Nrec	1	1	1	
Number of turning lanes, Nturn	1	1	1	
ApbT	1.000	0.983	0.980	
Proportion of left turns, PLT	1.000	1.000	1.000	
Proportion of left turns using protected phase, PLTA	0.000	0.000	0.000	
Left-turn adjustment, fLpb	1.000	0.983	0.980	
Permitted Right Turns				
Effective pedestrian green time, gp (s)	25.0	25.0		25.0
Conflicting pedestrian volume, Vped (p/h)	25	0		25
Conflicting bicycle volume, Vbic (bicycles/h)	0	0		0
Vpedg	78	0		78
OCCpedg	0.039	0.000		0.039
Effective green, g (s)	29.0	29.0		26.0

Vbicg	0	0	0
OCCbicg	0.020	0.020	0.020
OCCr	0.039	0.000	0.039
Number of cross-street receiving lanes, Nrec	1	1	1
Number of turning lanes, Nturn	1	1	1
ApbT	0.961	1.000	0.961
Proportion right-turns, PRT	1.000	1.000	0.273
Proportion right-turns using protected phase, PRTA	0.000	0.000	0.000
Right turn adjustment, fRpb	1.000	1.000	0.989

SUPPLEMENTAL UNIFORM DELAY WORKSHEET

Cycle length, C 78.0 sec

	EBLT	WBLT	NBLT	SBLT
Adj. LT vol from Vol Adjustment Worksheet, v	73	58	97	36
v/c ratio from Capacity Worksheet, X	0.16	0.17	0.25	0.10
Protected phase effective green interval, g (s)	6.0	6.0	8.0	8.0
Opposing queue effective green interval, gq	7.20	13.05	11.03	14.34
Unopposed green interval, gu	21.80	15.95	15.97	12.66
Red time r=(C-g-gq-gu)	43.0	43.0	43.0	43.0
Arrival rate, qa=v/(3600(max[X,1.0]))	0.02	0.02	0.03	0.01
Protected ph. departure rate, Sp=s/3600	0.492	0.483	0.482	0.492
Permitted ph. departure rate, Ss=s(gq+gu)/(gu*3600)	0.32	0.28	0.29	0.28
XPerm	0.08	0.11	0.16	0.08
XProt	0.34	0.27	0.36	0.13
Case	1	1	1	1
Queue at beginning of green arrow, Qa	0.87	0.69	1.16	0.43
Queue at beginning of unsaturated green, Qu	0.15	0.21	0.30	0.14
Residual queue, Qr	0.00	0.00	0.00	0.00
Uniform Delay, d1	12.7	13.4	13.4	13.5

DELAY/LOS WORKSHEET WITH INITIAL QUEUE

Appr/ Lane Group	Initial Unmet Demand Q veh	Dur. Unmet Demand t hrs.	Uniform Delay Unadj. ds	Uniform Delay Adj. d1 sec	Initial Queue Param. u	Final Unmet Demand Q veh	Initial Queue Delay d3 sec	Lane Group Delay d sec
Eastbound								
Westbound								
Northbound								
Southbound								

Intersection Delay 20.8 sec/veh Intersection LOS C

BACK OF QUEUE WORKSHEET

	Eastbound			Westbound			Northbound			Southbound		
LaneGroup	L	T	R	L	T	R	L	TR		L	TR	
Init Queue	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Flow Rate	73	361	197	58	219	22	97	389		36	315	
So	1900	1900	1900	1900	1900	1900	1900	1900		1900	1900	
No.Lanes	1	1	1	1	1	1	1	1	0	1	1	0
SL	1024	1801	1522	753	1801	1583	871	1815		763	1767	
LnCapacity	459	600	741	338	600	771	391	605		343	589	
Flow Ratio	0.07	0.20	0.13	0.08	0.12	0.01	0.11	0.21		0.05	0.18	
v/c Ratio	0.16	0.60	0.27	0.17	0.37	0.03	0.25	0.64		0.10	0.53	
Grn Ratio	0.45	0.33	0.49	0.45	0.33	0.49	0.45	0.33		0.45	0.33	
I Factor		1.000			1.000			1.000			1.000	
AT or PVG	3	3	3	3	3	3	3	3		3	3	
Pltn Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
PF2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Q1	0.9	6.5	2.5	0.7	3.6	0.2	1.2	7.2		0.4	5.5	
kB	0.4	0.7	0.8	0.3	0.7	0.9	0.4	0.5		0.3	0.5	
Q2	0.1	1.1	0.3	0.1	0.4	0.0	0.1	0.8		0.0	0.5	
Q Average	1.0	7.6	2.8	0.8	4.0	0.3	1.3	8.0		0.5	6.1	
Q Spacing	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0		25.0	25.0	
Q Storage	175	0	0	200	0	0	185	0		185	0	
Q S Ratio	0.1			0.1			0.2			0.1		
70th Percentile Output:												
fB%	1.2	1.2	1.3	1.2	1.2	1.3	1.2	1.2		1.2	1.2	
BOQ	1.1	9.3	3.5	0.9	5.0	0.4	1.6	9.4		0.6	7.2	
QSRatio	0.2			0.1			0.2			0.1		
85th Percentile Output:												
fB%	1.6	1.5	1.6	1.6	1.5	1.7	1.6	1.5		1.6	1.5	
BOQ	1.5	11.1	4.4	1.2	6.2	0.5	2.1	12.2		0.8	9.4	
QSRatio	0.2			0.2			0.3			0.1		
90th Percentile Output:												
fB%	1.8	1.6	1.8	1.8	1.7	2.0	1.8	1.7		1.8	1.7	
BOQ	1.7	12.2	5.0	1.4	6.9	0.5	2.3	13.3		0.8	10.3	
QSRatio	0.2			0.2			0.3			0.1		
95th Percentile Output:												
fB%	2.1	1.8	2.2	2.1	2.0	2.5	2.1	1.9		2.1	1.9	
BOQ	2.0	13.8	6.1	1.6	8.2	0.7	2.7	15.0		1.0	11.7	
QSRatio	0.3			0.2			0.4			0.1		
98th Percentile Output:												
fB%	2.6	2.0	2.6	2.6	2.4	3.1	2.6	2.2		2.7	2.3	
BOQ	2.5	15.4	7.2	2.0	9.5	0.9	3.4	17.9		1.3	14.1	
QSRatio	0.4			0.3			0.5			0.2		

ERROR MESSAGES

No errors to report.

TOWN OF BROOKHAVEN
HAWKINS ROAD
between
Boyle Road and Ruland Road
SELDEN
January 14, 2014

N

Yellow DOT = Streetlight on Utility Pole

Map prepared by
Department of Highway
Division of Streetlighting

Document Number: S61-54-00
Engineering Specification

Title:
Environmental Compliance Requirements for Musco Products

This specification addresses but is not limited to the following environmental regulations:

A. **Europe: 2002/95/EC The European Union Directive on the Restriction of the Use of Certain Hazardous Substances (RoHS)**

B. **China: Administration on the Control of Pollution Caused by Electronic Information Products (China RoHS)**

C. **Europe: 2002/96/EC Waste Electrical and Electronic Equipment (WEEE)**

D. **Other regulations referenced in this specification**

S61-54-00_A.doc

REVISION HISTORY

REV	DESCRIPTION	PREP'D	DATE	CHK'D	APP'D	ECN#
A	Created/Released	WRT	5/23/2008	GNK	GNK	6888

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1. Purpose

1.1. Environmental responsibility is an important aspect of Musco's business philisophy, therefore Musco is fully in support of environmental initiatives in our market areas. As such, it is Musco's intention to fully comply with current environmental directives, legislation, and customer requirements that regulate and restrict the use of hazardous substances in products. In addition, Musco intends to comply with other legislation and restrictions being developed in Europe, China, and other jurisdictions, which will further restrict the use of certain substances.

1.2. This specification defines the product requirements Musco will enforce in order to comply with such environmental initiatives.

1.3. The European Union Directive on the Restriction and Use of Certain Hazardous Substances (RoHS) restricts the use of certain hazardous substances in several categories of products placed on the market in its member states. Lighting equipment is one of the categories included within the scope of the directive.

1.4. The Chinese Administration of the Control of Pollution Caused by Electronic Information Products (China RoHS) requires manufacturers to disclose the amount of certain hazardous substances contained in certain types of products. Although substances are not restricted under the current first phase of Chinese regulation, such restrictions are expected in the second phase.

1.5. The European Union Directive on the disposal of waste electrical and electronic equipment (WEEE) deals with the collection, treatment, recovery, and recycling of electrical and electronic waste products, including lighting equipment. This directive addresses producer responsibility for recycling and disposal of products, imposes certain product labeling requirements, and admonishes that products should be designed for recyclability.

1.6. The European Union Directive on batteries and accumulators (Battery Directive) restricts the use of certain hazardous substances in batteries and accumulators, imposes labeling requirements for batteries, addresses producer responsibility for recycling and disposal of batteries, and admonishes that products should be designed to facilitate battery recycling.

1.7. Additional environmental requirements for Musco products are defined in this specification.

2. Definitions

2.1. "RoHS" – Acronym for European Union (EU) Directive on the restricted use of certain hazardous substances in electrical and electronic equipment.

2.2. "China RoHS" – Nickname for Administration on the Control of Pollution Caused by Electronic Information Products. 'Phase One' is in effect as of this writing.

2.3. "Homogeneous material" – A material which is of uniform composition throughout. A homogeneous material cannot be mechanically separated into constituents by mechanical actions such as unscrewing, cutting, crushing, grinding and abrasive processes. Examples of homogeneous materials are certain types of plastics, ceramics, glass, metals, alloys, paper, board, resins, and coatings. An example of a component which is separable, and therefore not homogeneous, is a wire cable that consists of a metal conductor, plastic insulation, ink marking on the insulation, metal terminals, and plating on the terminals.

Note that paint, ink, plating, anodizing, and other finishes are considered, in principle, to be mechanically separable from the material to which they are applied.

3. Scope

3.1. Musco products will comply with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS), which went into effect July 1, 2006.

3.2. All Musco lighting products fall within the scope of the RoHS Directive 2002/95/EC with the exception of control and monitoring equipment. Control and monitoring equipment is a specific product category that is currently exempt from the RoHS directive, however, since this exemption is expected to be eliminated in the future, Musco is moving toward compliance with control and monitoring equipment.

3.3. Each material, part, product, or assembly comprising Musco lighting products must comply with the EU RoHS Directive. In order to comply with this directive, the material, part, product, or assembly must not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBBs) and/or polybrominated diphenyl ethers (PBDEs) above certain levels. See Section 5.1 for requirements.

3.4. The 2003 EU RoHS directive provides exemptions which allow the use of these materials in certain applications. See Section 5.3 for specific information on exemptions.

3.5. China RoHS, which went into effect March 1, 2007, requires disclosure of the absence or presence of certain hazardous substances. 'Phase One', which does not restrict the use of substances but does require disclosure, is in effect as of this writing. Future 'Phase Two' is expected to impose restrictions.

3.6. All Musco lighting products, including control and monitoring equipment, are considered to be within scope of China RoHS.

3.7. China RoHS requires disclosure of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBBs) and/or polybrominated diphenyl ethers (PBDEs). These six substances must be disclosed to be above or below certain threshold levels. Musco will perform this disclosure by applying labels to product subassemblies, also by providing tables showing whether the concentration of each substance in each subassembly is above or below the threshold value.

3.8. All batteries used in Musco products must comply with the EU Directive 2006/66/EC (Battery Directive), which restricts the use of certain substances and imposes labeling requirements.

3.9. Musco will apply proper labeling to product subassemblies as required by the WEEE Directive 2002/96/EC, which went into effect August 13, 2005. In the case of purchased subassemblies that require labeling, Musco Engineering will provide specific instruction to suppliers of these subassemblies.

3.10. Musco products will comply with current environmental directives and legislation that restrict the use of substances, including applicable EU directives which are outside of RoHS Directive 2002/95/EC, and applicable United States environmental policies and legislation.

4. Responsibilities

4.1. Responsibility to comply with this specification lies with all suppliers who provide materials to Musco. These include raw material manufacturers, component manufacturers, contract manufacturers, wholesalers, distributors, agents, and others who participate in the supply chain. The current version of Specification S61-54-00 may be found at www.musco.com/ec.

4.2. Musco requires that suppliers provide only compliant materials and components. In cases where an existing material or component is determined to be noncompliant, the supplier is responsible to provide a suitable substitution. All substitutions must be approved by Musco Engineering. Any product change proposed by a supplier must be communicated to Musco by means of a Product Change Notice (PCN). See the Musco Product Change Notice Procedure, which may be found at www.musco.com/ec.

4.3. Suppliers have the responsibility to provide proof of compliance by means of full material disclosure, for review by the Musco compliance team. Full disclosure shall be provided for each element or compound in each homogeneous material found in each component part or assembly. The amount of each compound or substance in each homogeneous material shall be stated in terms of parts-per-million (ppm) and grams (g). Full material disclosure shall be provided to Musco using the latest revision of Musco Material Disclosure Form F67-77-00, which may be found at www.musco.com/ec. Alternately, the Institute of Printed Circuits form IPC-1752 or the supplier's standard format will be accepted, providing it documents the materials at the homogeneous level.

4.4. Suppliers are responsible for implementing effective process controls that ensure effective and sustainable compliance for the long term. Musco reserves the right to view the supplier's documentation of this fact. Musco reserves the right to audit compliance related processes at the supplier's facility.

4.5. Musco is responsible for communicating compliance requirements to suppliers and for keeping current as requirements continue to change.

5. Requirements for RoHS in Europe

5.1. Prohibited Substances

The European RoHS directive EU 2002/95/EC identifies the following substances as hazardous and prohibits their use in electrical and electronic equipment, including lighting equipment.

1. Lead (Pb) and its compounds
2. Mercury (Hg) and its compounds
3. Cadmium (Cd) and its compounds
4. Hexavalent chromium (Cr^{+6})
5. Polybrominated biphenyl (PBB) flame retardants
6. Polybrominated diphenyl ether (PBDE) flame retardants, including deca-PBDE

This prohibition applies to the above substances and all compounds containing these substances. These substances and compounds must not be in or on any materials, parts, assemblies, or products, except for in the allowed concentrations found in Table 1 below or in the case of the exemptions listed in Section 5.3.

Table 1 shows the maximum allowable concentration in a homogeneous material.

Table 1 Maximum Concentration Values Under RoHS

Substance	Maximum Concentration by Weight
1. Lead (Pb)	Less than 0.10% (1000 ppm)
2. Mercury (Hg)	Less than 0.10% (1000 ppm)
3. Hexavalent Chromium (Cr^{+6})	Less than 0.10% (1000 ppm)
4. Cadmium (Cd)	Less than 0.01% (100 ppm)
5. Polybrominated Biphenyls (PBB)	Less than 0.10% (1000 ppm)
6. Polybrominated Diphenyl Esthers (PBDE)	Less than 0.10% (1000 ppm)

5.2. Analysis Method – Each homogeneous material comprising each material, part, product, or assembly will be evaluated separately. If any homogeneous material in a material, part, product, or assembly contains a hazardous substance above the maximum ppm limit, then the entire material, part, product, or assembly is considered to be out of compliance.

5.3. Exemptions - Following are some applications, relative to use in Musco Products, considered by the EU directive of 2003 to be exempt from RoHS requirements. The prohibition is in place for all other applications.

5.3.1. Mercury (Hg) in high intensity discharge (HID) lamps.

5.3.2. Lead (Pb) as an alloying element in steel containing up to 0.35% (3500 ppm) lead by weight, aluminum containing up to 0.4% (4000 ppm) lead by weight, and as a copper alloy containing up to 4% (40,000 ppm) lead by weight.

5.3.3. Cadmium and its compounds in electrical contacts.

5.3.4. Lead (Pb) and cadmium (Cd) in optical and filter glass.

5.3.5. Lead and cadmium in printing inks for the application of enamels on borosilicate glass.

5.3.6. Batteries are exempt from RoHS. See separate Battery Directive in Section 9.

5.3.7. Lead (Pb) used in compliant pin connector systems.

5.3.8. Lead (Pb) in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80% and less than 85% by weight.

5.3.9. Lead (Pb) in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages.

5.3.10. Lead in finishes of fine pitch components other than connectors with a pitch of 0.65 mm or less with NiFe lead frames and lead in finishes of fine pitch components other than connectors with a pitch of 0.65 mm or less with copper lead frames.

5.4. Detail of Prohibitions

5.4.1. Indicated below are applications of these substances that are or have been in common practice. These applications, or any other application of these substances, is not permitted in Musco products except as allowed by the exemptions listed in Section 5.3, or when below the maximum concentration for homogeneous materials as specified in Table 1.

5.4.2. Lead (Pb) – Lead and its compounds may not be used in solder, electrical components, printed circuit boards, ball or column grid arrays, plating, metal finishing, pigment or stabilizer in plastics, or pigment in paint or ink.

5.4.3. All printed circuit board components must be suitable for the lead-free assembly process and temperatures.

5.4.4. Mercury (Hg) – Mercury and its compounds may not be used in electrical switches, thermal sensing devices, printed circuit boards, or as a pigment or stabilizer in plastic materials.

5.4.5. Hexavalent Chromium (Cr+6) – Hexavalent chromium and its compounds may not be used as a corrosion inhibitor, in plating or metal finishing, in steel and stainless steel alloys, or as a colorant in paints or inks or dyes or plastic materials. Note that hexavalent chromium is commonly found in the form of chromate compounds.

5.4.6. Cadmium (Cd) – Cadmium and its compounds may not be used for metal plating or coating, as a pigment for paint or plastic or other materials, as a stabilizer for plastic materials, in metal alloys, or in electronic components.

5.4.7. Polybrominated biphenyls (PBB) – PBBs may not be uses as a flame retardant in synthetic fibers or plastic materials.

5.4.8. Polybrominated diphenyl esters (PBDE) – PBDEs may not be used as a flame retardant in synthetic fibers or plastic materials.

5.4.9. Other applicable substances restrictions in force outside of EU RoHS are listed in sections 7, 8, and 9 of this document.

6. Requirements for China RoHS

6.1. Substances Requiring Disclosure – same six substances being treated under EU RoHS.

6.2. Threshold Values Used in Reporting – same concentration (ppm) values as shown Table 1.

6.3. Definition of Homogeneous – same as Section 2.3, except China RoHS adds a provision that any component smaller in size than $4mm^3$ is considered to be homogeneous.

6.4. Analysis Method – Each homogeneous material comprising each material, part, product, or assembly will be evaluated separately. If any homogeneous material in a material, part, product, or assembly contains a hazardous substance above the ppm threshold, then the entire material, part, product, or assembly is considered to be above the threshold and must be reported as such.

6.5. Exemptions – There are no exemptions under China RoHS. The absence or presence of all six substances must be disclosed for all products within the scope of China RoHS.

7. Other Substance Restrictions

The substances in Table 2 have been restricted outside of EU RoHS Directive 2002/95/EC and China RoHS. The applicable regulatory references are provided for details on the restrictions. Use of these substances above the allowable threshold is prohibited.

Table 2 Other Substance Restrictions

Chemical Substance	Threshold	Example Applications	Regulatory Reference
Asbestos	May not be intentionally added	Pigment, paint, and fillers	1
Certain Shortchained Chlorinated Paraffins (SCCPs)	May not be used	Flame retardants in printed circuit boards and plastics	2
Lead and Lead Compounds	May not be used	Applies only to paint	3
Ozone Depleting Substances - Class I (CFC, HBFC, etc.), Class II (HCFC)	May not be used	Foaming agent, aerosols, and solvents	4
Polychlorinated Biphenyls (PCBs) / Polybrominated Terphenyls (PCT)	May not be used	Electrical insulation, solvent, capacitors, and transformers	5

Regulatory References:

1. EU Directives 1999/77/EEC; 91/659/EEC; 76/769/EEC
2. Parcom Decision 95/1
3. EU Directive 89/677/EEC; 76/769/EEC
4. EU Regulation (EC) No. 2037/2000 and Amendments; United States Clean Air Act Amendment of 1990
5. EU Directive 85/467/EEC; 76/769/EEC

8. Packaging Content Restriction

The substances in Table 3 are restricted for use in packaging materials. The applicable regulatory references are provided for details on the restrictions. Use of these substances above the allowable threshold is prohibited.

Table 3 Packaging Content Substance Restrictions

Chemical Substance	Threshold	Restricted Application(s)	Regulatory Reference
Lead, Mercury, Cadmium, and Hexavalent Chromium	The combined concentration may not exceed 0.01% (100 ppm) by weight.	Packaging, packaging labels, packaging inks	1
Ozone Depleting Substances - Class I (CFC, HBFC, etc.), Class II (HCFC)	May not be used	Foam packaging materials	2

Regulatory References:

1. EU Directives 94/62/EC and 2004/12/EC
2. EU Regulation (EC) No. 2037/2000 and Amendments; United States Clean Air Act Amendment of 1990

9. Battery Requirements

EU Directive 2006/66/EC (Battery Directive) regulates the material content, labeling, and recycling of batteries. As per this directive, the following requirements apply to all batteries purchased by Musco and used in Musco products.

9.1. Restricted Substances

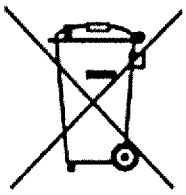
Table 4 shows the restrictions on substances used in batteries. These substances must not be used in any battery, except for in the allowed concentrations found in Table 4 below.

Table 4 Battery Substance Restrictions

Chemical Substance	Maximum Concentration by Weight
Cadmium	Less than 0.002% (20 ppm)
Mercury	Button Cells – less than 2.0% (20,000 ppm) All except Button Cells – less than 0.0005% (5ppm)

9.2. Battery Labeling Requirements

9.2.1. All batteries must be marked with the crossed out wheeled symbol shown below. This symbol shall cover at least 0.3% of the area of the largest side of the battery, up to a maximum size of 5 x 5 cm. In the case of cylindrical cells, the symbol shall cover at least 1.5% of the surface area of the battery and shall have a maximum size of 5 x 5 cm. Where the size of the battery is such that the symbol would be smaller than 0.5 X 0.5 cm, the battery need not be marked, but a symbol measuring at least 1 x 1 cm shall be printed on the packaging.



9.2.2. Batteries containing more than 0.004% (40 ppm) lead shall be marked with the chemical symbol Pb. The chemical symbol shall be located beneath the symbol shown in 9.2.1 and shall cover an area of at least one quarter the size of that symbol.

9.2.3. Button cells containing more than 0.0005% (5 ppm) mercury shall be marked with the chemical symbol Hg. The chemical symbol shall be located beneath the symbol shown in 9.2.1 and shall cover an area of at least one quarter the size of that symbol.

10. Reporting Requirements

10.1. Items Affected - The requirement of Full Material Disclosure applies to all materials, parts, products, and assemblies supplied to Musco for the manufacture and packaging of products.

10.2. Full Material Disclosure - The supplier must fully disclose all compounds and substances comprising each material, part, product, or assembly. This must be done at the homogeneous level. In other words, disclosure must be provided for each compound or substance in each homogeneous material in each component part or assembly. The amount of each compound or substance in each homogeneous material shall be stated in parts-per-million (ppm) and grams (g). In addition, the CAS number for each compound or substance must be provided.

10.3. Material Disclosure Format – Suppliers shall use the Musco Material Disclosure Form F67-77-00 to submit disclosure information. The current form may be found at www.musco.com/ec. It should be submitted electronically as an Excel spreadsheet to ec@musco.com.

10.3.1. The Material Disclosure Form is to be completed for each manufacturer of each Musco part number. If the responses to the questionnaire are identical for multiple part numbers from one manufacturer, then one questionnaire may be used to submit data for a list of part numbers for which the data applies.

10.3.2. Alternative Formats

10.3.2.1. The IPC-1752 format is an acceptable alternative. If this format is used, Class 5 or Class 6 declaration is preferred. It should be submitted electronically as an Excel spreadsheet.

10.3.2.2. The manufacturer's standard material disclosure format is an acceptable alternative, providing it documents the materials at the homogeneous level, includes all the information required on Musco Form F-67-77-00, and is submitted as an electronic Excel spreadsheet.

10.4. Sample Material Disclosure

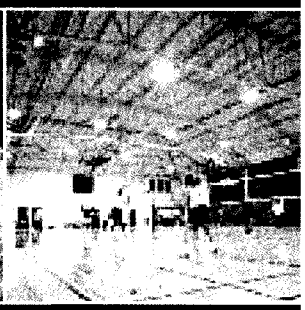
Material Disclosure - For each item or sub item list all homogeneous materials, and for each homogeneous material list all substances in parts per million (ppm) and grams (g). Note that the sum of PPM's for each homogeneous material should equal 1,000,000.

Item/Sub item	Homogeneous Mat'l	Compound or Substance	CAS #	PPM	Mass (g)
Terminal #1	Base Metal	tin	7440-31-5	200,000	0.0000302
"	"	zinc	7440-66-6	50,000	0.0000078
"	"	copper	7440-50-8	750,000	0.0063004
"	Plating	lead	7439-92-1	50,000	0.0000019
"	"	tin	7440-31-5	750,000	0.0000238
"	"	silver	7440-22-4	200,000	0.0000322
"	Plastic Insulation	polyethylene	9002-88-4	960,000	0.0025871
Etc.					

Sports Lighting

7 Answers to Common Questions

Bonus Information:
Funding Options
Inside back cover



MUSCO Lighting

We Make It Happen®

Decisions ... decisions ... decisions.

There are more decisions than you may realize in planning a sports-field lighting project. As the decision maker, the standards you set will affect recreation or athletic programs in your community for 20 to 30 years.

Obviously, you want your decisions to result in a trouble-free lighting system that will be a safe, energy-efficient source of pride rather than a disappointing source of continuing high-maintenance headaches and neighbors' complaints.

Lighting an outdoor sports facility is a big investment. You and your design consultant need to ask many questions about initial and long-term benefits to ensure you get the most value from the dollars you spend. The more you know about sports lighting, the better chance you have of getting the results you want.

To help get you started with your project, we've put together this guide to answer the most common questions people have about lighting a sports field.

Content: Answers to 7 Common Questions

1. What affects the cost of lighting my ballfield? 2

2. How many lights do I need? 4

3. What will it cost to operate my lighting system? 6

4. If they use the same wattage bulb, aren't all fixtures the same? 8

5. Our local utility company has offered to donate wood poles. How will these work on my field? 10

6. There are no houses near my field, so why should I be concerned about spill light and glare? 12

7. How can I make sure I get the results I want? 14

1.What affects the cost of lighting my ball field?

Many people don't realize the cost of light fixtures is only a small part of the overall project cost. When comparing proposals, it is important to look at both the initial and operating (or life-cycle) costs. *(See pages 6 and 7 for more information on operating costs.)*

Initial costs for a complete project will include three components:

- Lighting
- Structural
- Electrical

For each of these three components you will need to select someone to:

- Design
- Supply
- Install

Decisions you make on one component affect the others. For example, due to variances in fixture efficiency, some manufacturers may require more light fixtures, which means you may need larger poles to support the additional wind load and additional electrical components to operate the system.

9 Important Sports-Lighting Decisions

	Lighting	Structural	Electrical
Design			
Supply			
Install			

This matrix is an easy way to see at a glance if you've covered all areas of your project in developing cost estimates.

Musco provides

- Free project planning assistance and budget estimates
- Complete systems engineered for fast, cost-saving installation
- Energy efficient systems that save 50% in operating costs over the life of the system
- Ways to reduce your total project costs by up to ⅓ with volunteer-assisted installation
- Fundraising and financing programs

In addition to the nine important sports-lighting decisions, several variables affect the design and final cost of your project. The following is a checklist of the major items that will need to be reviewed with your local sports-lighting representative and incorporated into your lighting system design.

Quantity and quality of light

- ❑ Facility type
- ❑ Players' skill level
- ❑ Facility size
- ❑ Spectator capacity
- ❑ Television/video requirements
- ❑ Required or recommended lighting standards (for organizations such as Little League Baseball® and Softball or Amateur Softball Association)

Geographical issues

- ❑ Location — affects structural codes and local/state building codes
- ❑ Soil conditions
- ❑ Existing structures
- ❑ Pole setback requirements

Environmental light control issues

- ❑ Proximity of neighbors
- ❑ Community light ordinances
- ❑ Nearby airport or observatory ordinances
- ❑ Multifield complexes

2. How many lights do I need?

It is a common practice to specify a number of fixtures, rather than the amount of light produced on the field. However, this is like buying a car based on the size of its gas tank rather than its fuel efficiency. The efficiency of reflector systems currently available varies significantly. What you are buying is the quantity and quality of light on the field.

Quantity of light

Light on a playing surface is measured in footcandles. There are several factors that determine the number of footcandles required to light your field:

1. **Sport type** — More light is required to light smaller, faster moving objects. For example, baseball uses a small ball traveling at high speeds and, therefore, requires a higher light level than soccer.
2. **Players' skill level** — Higher light levels are needed for increased skill and accuracy.
3. **Field size** — Defines the number of square feet to be lighted.
4. **Spectator capacity** — More light is needed to see action that is farther away.
5. **Television/video requirements (if any)** — A camera interprets images more slowly than the human eye and requires more light to be able to follow the action.

Generally Accepted Lighting Standards

	LIGHT LEVELS			
	FOOTCANDLES		LUX	
	Target[1]/ Constant	Initial	Target[1]/ Constant	Initial
Baseball/Softball				
Recreational	30/20	43/29	323/215	462/308
Schools/Amateur Leagues	50/30	71/43	538/323	768/462
Little League Baseball®	50/30	71/43	538/323	768/462
Amateur Softball Association (ASA)	50/30	71/43	538/323	768/462
College[2]	100/70	143/100	1076/753	1538/1076
Basketball (indoor)				
Elementary	30	43	323	462
High School	50	71	538	768
College[2]	80	114	861	1230
Football				
Schools/Amateur Leagues	30	43	323	462
College[2]	50	71	538	768
Soccer				
Schools/Amateur Leagues	30	43	323	462
College/Municipal[2]	50	71	538	768
Tennis - 2 court (side by side)				
Recreational	30	43	323	462
Schools/Amateur Leagues	50	71	538	768
College[2]	75	107	807	1152

[1] .7 light loss factor used to determine target light levels on field for extended life of lighting system.
[2] May vary due to seating capacity and television requirements.

Light levels naturally depreciate over time as lamps age. New technology offsets this, but it is important to make sure your system is designed to provide maintained, or target, footcandles to ensure you have enough light over the life of your lighting system.

Lighting terms you'll hear

Lumen — A measure of light, much like a mile is a measure of distance.

Footcandle — One lumen of light spread over one square-foot of surface. In other words, a light level of 30 footcandles means that 30 lumens of light are being projected onto each square foot of playing surface.

Initial footcandles — The amount of light on the field when the lighting system is first put into use.

Target footcandles — The lowest average amount of light for which a lighting system should operate over its extended life to ensure performance requirements.

Constant light levels — The amount of light you can expect on the field at any given time over the extended life of the system.

Uniformity — The smoothness of light on the field.

Photometrics — The reflector is the photometric unit of a lighting system. It provides a mechanical redirection of light.

High intensity discharge lamp (HID) — A group of lamps consisting of metal halide, mercury, and high pressure sodium.

Light loss factor — A factor used to calculate the level of light after a given period of time. Accounts for lamp depreciation, dirt accumulation, temperature and voltage variations, and maintenance procedures.

Point-by-point — A computer-generated model of your proposed lighting system showing footcandle readings at given points on your field.

Quality of light

When talking about quality of light on the field, you'll hear the term uniformity, or evenness, of light on the field. It is stated as a ratio, like 3:1, the minimum standard for most sports.

What it means: the brightest point on the field should be no more than three times the darkest point. Why is that important? Balls appear to change speeds if they pass from dark to light areas, making it difficult to follow the flight and gauge the speed of the ball.

Each manufacturer should provide specific information on initial and maintained light levels as well as a uniformity ratio, so when you compare proposals you can be sure they're all designed to the same criteria.

It's also a good idea to get written guarantees for both the quantity and quality of light your system will provide.

Musco provides

- Free lighting design services to you or your consultant
- Guaranteed constant light levels

3. What will it cost to operate my lighting system?

Several issues affect the operating cost of a lighting system. In addition to the electrical cost of lighting your field, you should consider management and staff time for operating the on/off schedules and tracking facility usage. Routine maintenance and unexpected repair costs can rack up if your system is not well designed from an electrical and structural standpoint.

Electrical consumption

Differences in reflector system efficiencies and aiming design can vary, meaning one manufacturer may require fewer fixtures to achieve the same amount of light on the field. Over the life of the system you'll save money on electrical costs with fewer fixtures, and you'll save on lamp replacement and other maintenance costs.

In the example, Manufacturer A saves $41,500 in energy cost over the life of the system.

300-foot Radius Baseball Field (1500-watt metal halide lamps)

Manufacturer A – 32 fixtures		Manufacturer B – 52 fixtures
32 fixtures	Number of fixtures required	52 fixtures
x $.14*	Hourly cost per fixture	x $.15*
$4.48	Hourly energy cost	$7.80
x 500 hours	Hours operated per year	x 500 hours
$2,240	Annual energy cost	$3,900
x 25 years	Life of system	x 25 years
$56,000	**Life-cycle energy cost**	**$97,500**

* Assuming a 9¢ kWh electrical rate, Manufacturer A uses an average of 1.564 kW per fixture, and Manufacturer B uses an average of 1.62 kW per fixture.

Efficient management and scheduling

As public concern over energy conservation grows, many cities and organizations are implementing automated lighting control systems to turn their lights on and off. The automated systems are more reliable than timers and better at accommodating last minute changes or rainouts. Also, operating lights only when needed will save substantial energy dollars over time, especially for multiple fields.

In addition to the energy savings, automated control systems can save your staff traveling to and from the ballparks every night to turn lights on and off. Some systems provide advance weekly planning and management reports that track hours by user, helping you set user fees that offset your operating expenses.

Musco's Control-Link® automated control system

- Saves energy and staff costs
- Allows flexible control
- Improves management tools
- Increases security
- Provides reliable operation

Routine maintenance

Relamping — It's more efficient to "group" relamp rather than replace lamps as they burn out. We recommend group relamping prior to the end of the rated lamp life.

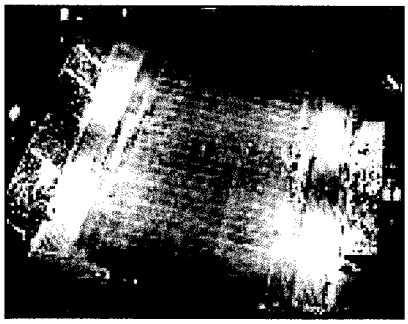
Costs include:
- Lamps ($60 - $70/lamp average)
- Equipment rental to get to top of pole ($60 - $125/hour)
- Labor (Approximately $40 / hour average)

Fuses — Replace as needed (average cost $1 - $5 / fuse). Unless fuses are accessible at ground level, you may also need to rent equipment to get to the top of the pole (see above).

Repair and unexpected costs — how to avoid them

These costs may be overlooked during the initial purchase of a lighting system, but can take significant time and money to correct later. A well-designed system will be durable enough to withstand the elements and have features designed to reduce labor costs.

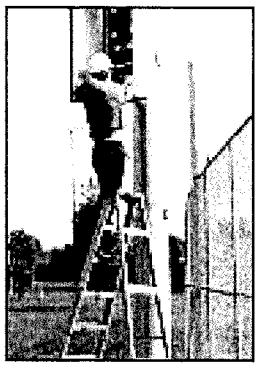
Re-aiming — Make sure your manufacturer guarantees fixture alignment. Over time, several factors, including the weather, can cause misalignment resulting in less light on the field. Labor and equipment costs to correct this can be significant.



Misalignment of as little as 10 degrees shifts light off the playing field into the stands.

Multiple fixture outages — Each fixture should be individually fused. This lessens the chance of a multiple or "gang" failure and also the need for emergency repairs.

Troubleshooting — Easy-to-access systems are designed so the major electrical components — ballasts, capacitors, and fuses — are located close to the ground, saving time and money.



Having major electrical components accessible at ground level avoids hiring a $100 crane to replace a $1 fuse.

Musco Constant 25™, a comprehensive foundation-to-poletop warranty and maintenance program, covers 100% of your maintenance costs, including parts and labor, for the next 25 years.

Musco Constant 25 **includes**

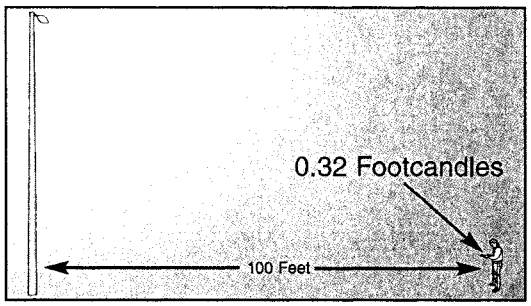
- Guaranteed constant light levels
- Group lamp replacements
- System monitoring
- Routine maintenance and on/off control services

4. If they use the same wattage bulb, aren't all fixtures the same?

All 1500-watt metal halide bulbs produce about the same amount of light (155,000 lumens). However, without a reflector, a 1500-watt metal halide bulb produces less than one footcandle of light on an area 100 feet away.

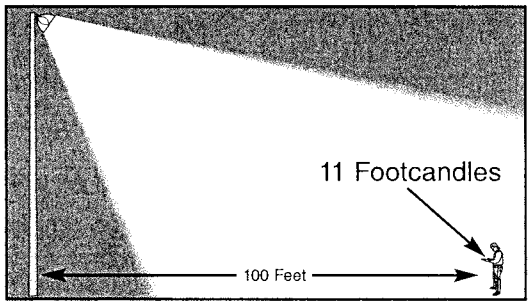
The manufacturer's reflector design is the critical factor in how effectively the lamp's light energy is projected onto the playing surface. New technology allows previously wasted spill light to be redirected back onto the playing surface, increasing the light on the field.

1500-watt metal halide bulb with no reflector



1500-watt metal halide bulb with reflector

A reflector concentrates and projects the light energy onto the playing surface.

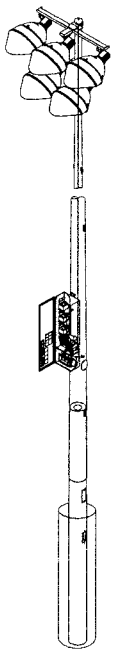


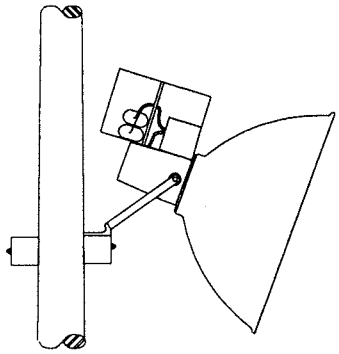
It is a common mistake to specify a number of fixtures, rather than the quantity of light produced on the field. Specifying a set number of fixtures simply spells out the amount of light that is going to be generated by the lamp at the top of the pole, rather than the light on the field.

Musco's Technology

- Provides more light per fixture on the playing surface — fewer fixtures to buy, install, operate, and maintain
- Reduces spill light and glare off-field by 50%; reduces fixture glare for players
- Ensures guaranteed Constant Light™ for the safety and performance of players without wasting energy
- Offers complete foundation-to-poletop lighting system

Fixtures may be purchased as a system or as single fixtures. Here's an analysis:





Shaded areas indicate engineered components

System

Engineered as a total system

- Parts selected by trained engineers for system compatibility
- Critical components assembled in controlled environment
- Tested prior to shipment
- Single source accountability with warranty on entire system

Factory aimed

- Reduced installation cost
- Known results

40+ pound ballast mounted at base of pole

- Easier maintenance
- Weight reduction assures fixture alignment

Single Fixture

Parts and pieces of unknown strengths put together by the installer

- Inconsistent warranties from several sources

Individual fixture-by-fixture aiming from the top of the pole

- Adds installation cost
- Unknown results

40+ pound ballast mounted on fixture

- Troubleshooting must be done from top of pole
- Increases chance of misalignment

5. Our local utility company has offered to donate wood poles. How will these work on my field?

While it's tempting to use wood poles, you'll find any initial savings are quickly eaten up in repairs and re-aiming fixtures. Here are some of the problems we've observed on facilities that used wood poles.

Improper mounting heights

In general, wood poles that are donated are not tall enough to allow for proper mounting heights required for sports lighting. Poles that are too short cause glare for players and spotty lighting on the field.

Fixture misalignment

Twisting poles — As wood poles dry in the sun, they naturally twist. Today's lighting systems are aimed to ½° accuracy, but wood poles commonly twist 15° - 20° in either direction. Re-aiming fixtures is a costly maintenance chore that can be avoided.

Leaning poles — Wind load created by the fixtures at the top of the pole make a standard utility embedment (10% plus 2 feet) inappropriate for a sports-lighting application. As a result, your poles may begin to lean, misaligning your fixtures.

Safety hazards

Twisting poles — Because electrical conduit must be run on the outside of the pole, twisting of a wood pole can result in exposed wiring.

Rotting wood — The center of treated wood poles are the most susceptible to deterioration, which means you may unknowingly have a pole that is in danger of failing.

Woodpeckers — Woodpeckers can create large holes in wood poles, making them structurally unsafe. (It sounds funny, but it does happen!)

Toxic preservatives — Effective wood preservatives are made from a variety of materials inappropriate for use in areas of high activity.

Twisting of this pole caused electrical conduit to separate, exposing wiring.

Other common pole types are concrete and steel

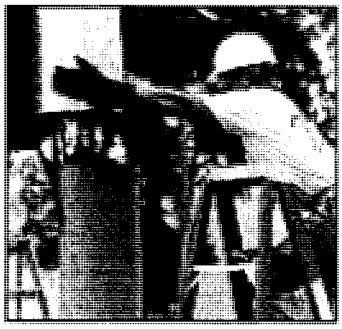
Pole Type	Benefits	Drawbacks
Concrete	▪ Can be direct buried eliminating the cost of elaborate footings ▪ Corrosion and moisture resistant ▪ Pleasing appearance	▪ Poles are heavier and more expensive to set ▪ High freight costs often limit their use to areas near concrete pole manufacturing plants
Base-plate Galvanized Steel	▪ Pleasing appearance ▪ Lightweight, easy to handle	▪ Higher initial cost ▪ Require construction of concrete foundations with anchor bolts on which poles are mounted ▪ Curing time of concrete base ▪ Corrosion at ground level ▪ Difficulty with pole orientation
Direct Burial Galvanized Steel Pole	▪ Pleasing appearance ▪ Lightweight	▪ Underground corrosion accelerated due to moisture and soil chemicals — often undetectable prior to pole failure ▪ Increased installation time and cost depending on structural engineer's criteria

Combination concrete and steel pole

This pole option combines the advantages of steel and concrete, while reducing or eliminating many of the problems. Steel pole shafts are slip-fit onto precast concrete bases that are set directly into the ground and backfilled with concrete.

Benefits

- **Installation ease** — Poles can normally be set onto pre-stressed, direct-buried bases within 24 hours, eliminating the up to 28-day cure time and extra expense for designing and fabricating on-site built foundations.
- **Cost savings** — Poles and bases are shipped in sections, lightweight and easier to handle for lower freight costs and faster installation.
- **Corrosion resistance** — Concrete bases provide maximum corrosion and moisture resistance at ground level and below grade; galvanized steel poles kept above accelerated corrosion zone (two feet above and below ground).



Musco's Light·Structure Green™
Combines the benefits of both concrete and steel poles — reduces installation costs and time

6. There are no houses near my field, so why should I be concerned about spill light and glare?

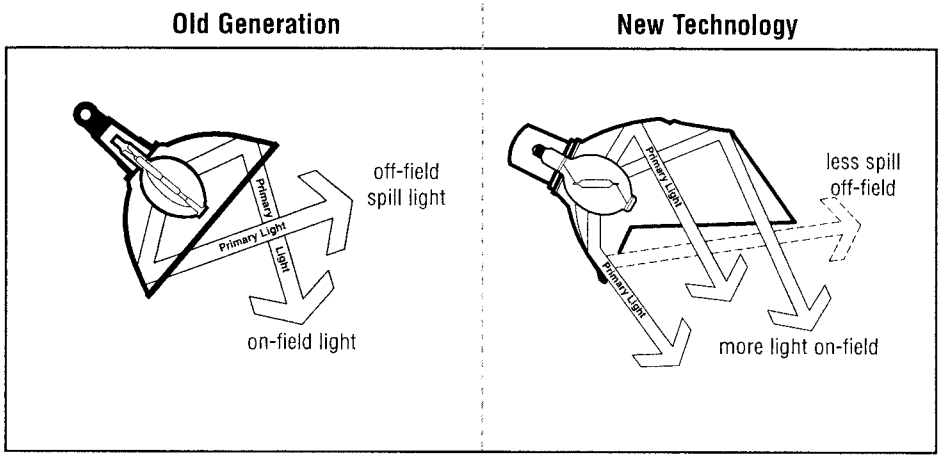
Even if there aren't any houses there now, controlling spill light and glare is important for several reasons:

- Spill light is wasted energy
- Spill light and glare control technology will improve the quality of light on the field for players and spectators
- Communities often "grow-up" around recreational facilities
- Communities are becoming increasingly concerned about environmental light control and energy consumption

Spill light = wasted energy

Prior generation, standard symmetrical reflectors actually waste light. Light control technology redirects wasted spill light back onto the playing surface, increasing light on the field.

By better controlling the light from each fixture, you reduce the number of fixtures needed to get the required amount of light on the field. This, in turn, reduces the electrical cost to operate and maintain the lighting system.



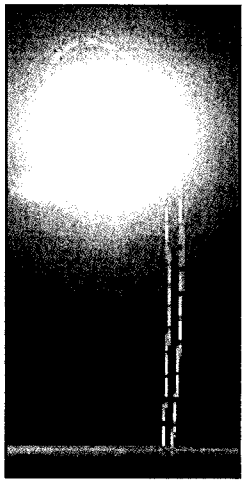
Standard Symmetrical Reflector

Redirects Off-Field Spill Light

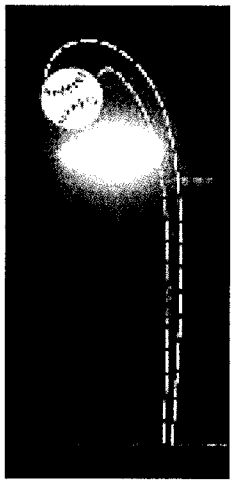
Glare problems

Glare control is not only important for off-site locations, it is also critical to player safety and spectator enjoyment. Glare from fixtures can make it difficult for players to follow the ball, creating the possibility for injury.

Players competing on multifield complexes can also be affected by glare from adjacent fields.



Old Generation Standard Symmetrical Reflector



New Technology — gets the glare out of players' eyes

Community growth

Often communities "grow up" around sports facilities. The fact that the facilities and the lights were there first doesn't stop the new neighbors' complaints when lights are shining into their living rooms. Your lighting system should last over 20 years, plenty of time for growth to become an issue in many communities.

Growing concern

We're all aware of the growing public concern for wasting the valuable energy resources it takes to produce light. Many communities are also enacting environmental light pollution ordinances to regulate bothersome light that shines on private property, through windows, onto roadways, and around astronomical research facilities.

Musco's Technology
Musco has developed advanced spill light and glare control systems to solve serious environmental concerns.

7. How can I make sure I get the results I want?

We've reviewed some of the issues involved in choosing the sports-lighting system that will meet your needs. Once you've made your decision, there are ways to ensure you get the results you want:

Define standards

It is important to have written specifications that establish the performance that you want from your system.

When defining specifications, remember to incorporate the three components of a lighting system: lighting, structural, and electrical. Take into account the costs involved for the design, supply, installation, and operation of the entire system. Specify the values you want for playability, environmental light control, life-cycle cost savings, and warranty.

Clear cut standards avoid two problems on bid date:

- Insufficient, cheap equipment substitutions to lower bid price
- High bids to cover the uncertain costs of an under-defined project

Seek accountability

Having a manufacturer that stands behind their product and provides good service will make a huge difference in long-term satisfaction with your lighting system:

Get a written guarantee — Manufacturers can provide written performance guarantees that your entire system — from the foundation to the light fixtures — will meet the specifications you established. Getting this guarantee from a single source that provides your entire system can save you the headache of sorting out responsibility among multiple manufacturers should a problem arise.

Compare warranties — The warranty reflects a manufacturer's confidence in their product. Some manufacturer warranties include routine maintenance and provide longer coverage based on their confidence in their product's performance.

Evaluate their reputation for service — Ask for project references and review the manufacturer's track record for service. Find out if there will be an on-site field performance evaluation after the installation.

Musco Lighting

- Provides local representatives to assist you in developing written specifications to ensure the performance of your sports-lighting system
- Offers an industry-leading 25-year product assurance warranty and maintenance program
- Provides dedicated warranty and field services personnel

We'll help get you started.

Whatever the size of your project, Musco provides the same quality equipment and expert engineering. Our technology provides unequaled performance:

- Reduces energy and life-cycle costs by 50%
- Eliminates 100% of maintenance for 25 years
- Cuts wasted spill light by 50%
- Provides constant light levels
- Control-Link® provides system monitoring, management tools, and on/off control

For free planning assistance for
your sports-lighting project contact

We Make It Happen

800/825-6030
www.musco.com
e-mail: lighting@musco.com

Notes

Funding options to help make your project happen

Finding available funds is often the most challenging part of the buying process. There are options available that can make your lighting project doable.

Utility grants/rebates

Many utility companies offer incentives to promote the use of energy efficient products including athletic field lighting. Incentives vary and come in the form of rebates, grants, low-interest loans, or reduced kilowatt rates. Once the utility company completes an energy savings audit, they can help fund new lights or upgrade your existing lighting equipment with an energy-efficient system.

Financing Programs

Financing programs for municipalities and public school systems provide a "budget stretcher" to help with facility improvements such as sports lighting and other equipment. The added revenue from expanded use of your facility can help make the annual payments, allowing you to enjoy the benefits of lighted facilities sooner. Plus, a set payment can be built into your annual budget, freeing you from budget uncertainties and lowering the cash flow impact of a large purchase.

Unique Fundraising

Musco's unique Pennant Program™ provides corporate advertising opportunities using pennants displayed on Musco's Light-Structure Green™ systems. Many organizations have used this program to totally finance their project or to complement other fundraising efforts. Others have continued the program after the initial purchase to help with annual operating costs.

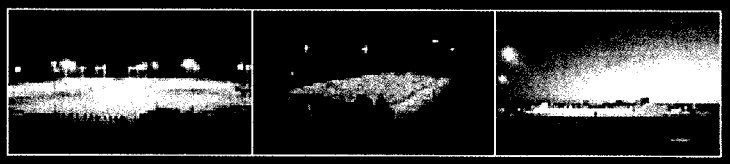
Volunteer Installation

Reducing installation time can save significant total project costs. Buying the components from one manufacturer as a complete, compatible system makes installation simpler, saving time and money. Plus, systems suitable for volunteer installation can save up to one-third of the total project costs.

Musco Lighting

- Has a resource database to help identify recreation, utility, and community foundation incentive programs available in your area
- Meets utility companies' eligibility requirements with its Light-Structure Green™ and Control-Link® energy and life-cycle cost savings
- Offers flexible, affordable financing programs for qualified applicants
- Provides Pennant Program™ material and other fundraising tips
- Offers a lighting system that makes volunteer installation possible

www.musco.com



musco Lighting®

We Make It Happen®

800/825-6030

www.musco.com

e-mail: lighting@musco.com

100 1st Avenue West / PO Box 808
Oskaloosa, Iowa 52577
641/673-0411 • Fax: 641/672-1996

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RESOLUTION NO. 2010-671
MEETING OF: June 1, 2010

ADOPTED

BY THE BROOKHAVEN TOWN BOARD

REQUESTING SUFFOLK COUNTY TO ACQUIRE CERTAIN PROPERTY IN MIDDLE COUNTRY SCHOOL DISTRICT PURSUANT TO THE NEW SUFFOLK COUNTY DRINKING WATER PROTECTION PROGRAM – HAMLET GREENS/ACTIVE RECREATION COMPONENT, AND AUTHORIZING CONSTRUCTION OF FACILITIES AND MAINTENANCE BY THE TOWN OF BROOKHAVEN THEREUPON

WHEREAS, the County of Suffolk, by Local Law No. 24-2007 authorized the acquisition of land under the New Suffolk County Drinking Water Protection Program (effective December 1, 2007) – Hamlet Greens/Active Recreation/Historic and/or Cultural Park Component; and

WHEREAS, the Town of Brookhaven desires that the County of Suffolk purchase a parcel of land under the New Suffolk County Drinking Water Protection Program for active parklands and ball fields which is located on Boyle Road in Selden and is more particularly described on the Suffolk County Tax Map as District 0200, Section 392.00, Block 04.00, Lot 016.000; and

WHEREAS, the Town of Brookhaven shall improve and maintain the property as active parks and ball fields;

NOW, THEREFORE, BE IT RESOLVED by the Town Board of the Town of Brookhaven that the Town of Brookhaven hereby requests that the following parcel of land be purchased by Suffolk County as part of the New Suffolk County Drinking Water Protection Program – Hamlet Greens/Active Recreation/Historic and/or Cultural Park

Component to wit: Boyle Road, Selden, and is more particularly described on the Suffolk County Tax Map as District 0200, Section 392.00, Block 04.00, Lot 016.000; and

BE IT FURTHER RESOLVED that the Town of Brookhaven hereby makes a commitment to improve and maintain the property as active parkland; and

BE IT FURTHER RESOLVED that the Town of Brookhaven may enter into agreements with civic groups to be approved by the County of Suffolk to maintain the parkland; and

BE IT FURTHER RESOLVED that the Town of Brookhaven Department of Law is authorized to negotiate an agreement with the County of Suffolk for construction and maintenance of the park and ball fields; and

BE IT FURTHER RESOLVED that the Supervisor/Deputy Supervisor is hereby authorized to execute all necessary agreements and documents to effectuate the construction and maintenance of the park and ball fields on the parcel that is the subject of this Resolution.

RESOLUTION SUBMISSION

MEETING OF: June 1, 2010 RESOLUTION NO. 2010-671

MOVED BY COUNCILMEMBER: Kathleen Walsh, District No. 3

REVISION:

SHORT TITLE: REQUESTING SUFFOLK COUNTY TO ACQUIRE CERTAIN PROPERTY IN MIDDLE COUNTRY SCHOOL DISTRICT PURSUANT TO THE NEW SUFFOLK COUNTY DRINKING WATER PROTECTION PROGRAM – HAMLET GREENS/ACTIVE RECREATION COMPONENT, AND AUTHORIZING CONSTRUCTION OF FACILITIES AND MAINTENANCE BY THE TOWN OF BROOKHAVEN THEREUPON

DEPARTMENT: Town Council

REASON: To preserve parkland in Selden.

PUBLIC HEARING REQUIRED:

DEPARTMENT OF FINANCE APPROVAL: YES NO
DOLLARS INVOLVED:

SEQRA REQUIRED: NO
DETERMINATION MADE: POSITIVE NEGATIVE
FEIS/FINDINGS FILED:

EXECUTION OF DOCUMENT REQUIRED:
RN:cb

Present	Absent		Motion	Aye	No	Abstain	Not Voting
		Councilmember Fiore-Rosenfeld	2				
		Councilmember Bonner					
		Councilmember Walsh	1				
		Councilmember Kepert					
		Councilmember Mazzei					
		Councilmember Panico					
		Supervisor Lesko					

Middle Country Sports Association

January 9, 2014

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

Legislator Muratore,

We are writing you today to express the support of Suffolk County acquiring the "Boyle Road property." This proposal will link together the "Boyle Road property," with the Town of Brookhaven's Veterans Field to the north and the county owned land behind Grace Presbyterian Church to the west. Combining all three parcels will create over 20 acres of parkland, which our communities desperately need. We believe that this acquisition is the first step in creating a park that will not only benefit our youth sports leagues but all of the residents who just want to take a walk, have lunch, read a book or play with their kids.

As it states on page one of the Middle Country Sustainable Community Plan we have "a lack of access to fields for our youth." The Town of Brookhaven and the school districts in our area do the best they can to accommodate our youth sports leagues. But today, because of a lack of fields our youth sports leagues are forced to travel all over the Town of Brookhaven to play games.

Middle Country Sports Association has been supporting the youth in our area for well over 25 years. We support over 700 girls and boys in the Centereach, Selden, and Lake Grove area. We have been working for many years to provide a much improved experience for the youth in our area, one that will encourage participation in fun activities which are important to their overall physical and mental health. While this purchase may not fulfill all of our youth sports league's needs, it will be a big step in the right direction.

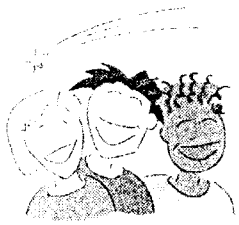
We also believe that the inclusion of a walking trail and a playground, with the ability to hold community events at the park will greatly benefit our residents. This will allow them to enjoy more than just their own backyards on a beautiful day. It is our sincere hope that this park will give our residents a place to come together and bring a sense of pride to the Middle Country Community.

Unfortunately, our communities have had a very limited ability to utilize Suffolk County's nationally renowned land acquisition programs because of the lack of vacant land in Centereach and Selden. This parcel could be our last chance to give our residents parkland that is desperately needed. We believe that the acquisition of this parcel is certainly in the best interest of the Middle Country community. Thank you for your efforts.

Sincerely Yours,

Vincent Amato
Treasurer, MCSA

Middle Country Sports Association
P.O. Box 438, Centereach, NY 11720



"Prevention Starts Here"

Selden Centereach Youth Association

P.O. Box 439 • Selden, New York 11784
scyal@optonline.net • scyainfo.com
Tel: 631-732-2186
Fax: 631-732-2187

BOARD OF DIRECTORS

Doreen Feldmann
Chairperson

Melba Canet-Pabon
Treasurer

Deborah Felber
Secretary

Mary Lewis
Member

Sal Bush
Executive Director

PROGRAMS:

Helping Hand Food Pantry

Holiday Assistance

Youth Council

Before & Aftercare Pre K - 5 School Program

Fun & Learn GAPPS Middle School After School Program

Counseling

Teen Tutoring

SCYA Summer Fun Day Camp

Drop In Lounge: (Recreation)

Youth Employment

Volunteer/Community Service Opportunities

Work Study

Safe Saturdays Grades 1 -5

January 9, 2014

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

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Unfortunately, our communities have had a very limited ability to utilize Suffolk County's nationally renowned land acquisition programs because of the lack of vacant land in Centereach and Selden. This parcel could be our last chance to give our residents parkland that is desperately needed. We believe that the acquisition of this parcel is certainly in the best interest of the Middle Country community. Thank you for your efforts.

Sincerely Yours,

Executive Director

April 17, 2013

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

Legislator Muratore,

We are writing you today to express both the Centereach and Selden Civics' support of Suffolk County acquiring the "Boyle Road property." This proposal will link together the "Boyle Road property," with the Town of Brookhaven's Veterans Field to the north and the county owned land behind Grace Presbyterian Church to the west. Combining all three parcels will create over 20 acres of parkland, which our communities desperately need. We believe that this acquisition is the first step in creating a park that will not only benefit our youth sports leagues but all of the residents who just want to take a walk, have lunch, read a book or play with their kids.

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Sincerely Yours,

Debbie Felber
President, Selden Civic Association

Diane M Caudullo

Diane Caudullo
President, Centereach Civic Association

www.SC3VLL.org

SELDEN-CENTEREACH / THREE VILLAGES LITTLE LEAGUE

DISTRICT 35 NEW YORK

January 9, 2014

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

Legislator Muratore,

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Sincerely Yours,

Kathleen M. Mankowski

Kathleen M. Mankowski
League Secretary

P.O BOX 383 CENTEREACH, NEW YORK 11720 PHONE (631) 698-4921

Sunshine

Alternative Education and Prevention Center

January 9, 2014

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

Legislator Muratore,

We are writing you today to express the support of Suffolk County acquiring the "Boyle Road property." This proposal will link together the "Boyle Road property," with the Town of Brookhaven's Veterans Field to the north and the county owned land behind Grace Presbyterian Church to the west. Combining all three parcels will create over 20 acres of parkland, which our communities desperately need. We believe that this acquisition is the first step in creating a park that will not only benefit our youth sports leagues but all of the residents who just want to take a walk, have lunch, read a book or play with their kids.

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Sincerely Yours,

Dr. Carol Carter

Dr. Carol Carter, CEO/Co-founder

Building drug-free & violence-free communities through prevention and education
468 Boyle Road Port Jefferson Station, NY 11776 631-476-3099 shine1@optonline.net

Lighthouse INSURANCE

SELDEN LIGHTHOUSE
1200 Middle Country Rd.
Selden, NY 11781
PHONE: 631-696-0003 FAX: 631-696-0061

January 9, 2014

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

Legislator Muratore,

We are writing you today to express the support of Suffolk County acquiring the "Boyle Road property." This proposal will link together the "Boyle Road property," with the Town of Brookhaven's Veterans Field to the north and the county owned land behind Grace Presbyterian Church to the west. Combining all three parcels will create over 20 acres of parkland, which our communities desperately need. We believe that this acquisition is the first step in creating a park that will not only benefit our youth sports leagues but all of the residents who just want to take a walk, have lunch, read a book or play with their kids.

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Sincerely Yours,

JAMES ROSE, PRES
SELDEN LIGHTHOUSE, INC
631 696-0003

1198 Middle Country Rd. Selden, NY 11784
Phone 631-696-0303 Fax 631-696-0321

Jazz Audio Sound and Security

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

Legislator Muratore,

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Sincerely Yours,

1198 Middle Country Rd. Selden, NY 11784
Phone 631-320-1213 Fax 631-696-0321

Cella Bagels

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

Legislator Muratore,

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Sincerely Yours,

The Greater Middle Country Chamber of Commerce
CENTEREACH • SELDEN • LAKE GROVE
• SURROUNDING COMMUNITIES •

www.MiddleCountryChamber.com

The Greater Middle Country Chamber of Commerce

Post Office Box 65
Centereach, NY 11720
(631) 681-8708

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

January 13, 2014

Legislator Muratore,

We are writing you today to express the support of Suffolk County acquiring the "Boyle Road property." This proposal will link together the "Boyle Road property," with the Town of Brookhaven's Veterans Field to the north and the county owned land behind Grace Presbyterian Church to the west. Combining all three parcels will create over 20 acres of parkland, which our communities desperately need. We believe that this acquisition is the first step in creating a park that will not only benefit our youth sports leagues but all of the residents who just want to take a walk, have lunch, read a book or play with their kids.

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Sincerely Yours,

Jeff Freund, President

Middle Country Boys Youth Lacross Association, Inc.

January 9, 2014

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

Legislator Muratore,

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Sincerely Yours,

Stephen P. Larsen Jr.
Director

PO Box 171
Centereach, NY 11720
(917) 306-4479
www.leaguelineup.com/mclax

Central Suffolk Youth Football Inc.
PO Box 13
Centereach, NY 11720

January 10, 2014

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

Legislator Muratore,

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Sincerely Yours,

Mark Pirollo, Sr., President

January 9, 2014

Legislator Tom Muratore
325 Middle Country Road, Suite 3
Selden, NY 11784

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Sincerely Yours,

Bruce Spotton Jr – President
Lake Grove-Newfield SC

Lake Grove-Newfield Soccer Club
P.O. Box 1562, Ronkonkoma, NY 11779

Intro. Res. No. 1841-2011 Laid on Table 10/11/2011
Introduced by Legislator Muratore

RESOLUTION NO. 990-2011, AUTHORIZING PLANNING STEPS FOR THE ACQUISITION OF LAND UNDER THE SUFFOLK COUNTY DRINKING WATER PROTECTION PROGRAM, AS AMENDED BY LOCAL LAW NO. 24-2007 - BOYLE ROAD PROPERTY - TOWN OF BROOKHAVEN (SCTM NO. 0200-392.00-04.00-016.000)

WHEREAS, the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007, authorizes the use of 31.10 percent of sales and compensating use tax proceeds generated each year for specific environmental protection, including the acquisition of land for use as hamlet greens, hamlet parks, pocket parks, active parkland, active recreation, historic and/or cultural park uses in accordance with specific criteria set forth therein; and

WHEREAS, the parcel listed in Exhibit "A" of this resolution meets the criteria for acquisition under the Drinking Water Protection Program; and

WHEREAS, adequate funding is provided for, pursuant to Section C12-2(A)(1)(i) of the SUFFOLK COUNTY CHARTER, from 31.10 percent of the sales and compensating use tax proceeds, for the acquisition of such land as active parks; and

WHEREAS, the Town of Brookhaven has indicated a willingness to improve and maintain the property as active parklands; now, therefore be it

1st **RESOLVED**, that the parcel listed in Exhibit "A" of this resolution, consisting of approximately 15 acres, is hereby approved for preliminary planning steps and ultimate inclusion in the Suffolk County Drinking Water Protection Program pursuant to Article XII of the SUFFOLK COUNTY CHARTER for use as a hamlet green, hamlet park, pocket parks, active parkland, active recreation, historic and/or cultural park; and be it further

2nd **RESOLVED**, that the parcel listed in Exhibit "A" meet the criteria required by the Suffolk County Drinking Water Protection Program; and be it further

3rd **RESOLVED**, that the Commissioner of the County Department of Public Works and/or the Director of the Division of Real Property Acquisition and Management, Department of Environment and Energy, and/or her designee, is hereby authorized, empowered, and directed, pursuant to Section 8-2(W) of the SUFFOLK COUNTY CHARTER, to have surveys and maps prepared for the subject parcel in accordance with Resolution No. 423-1988; and be it further

4th **RESOLVED**, that the Director of the Division of Real Property Acquisition and Management within the County Department of Environment and Energy, or his or her deputy, is hereby authorized, empowered, and directed, pursuant to Section 42-2(C) of the SUFFOLK COUNTY CHARTER, to have the subject parcel appraised, environmentally audited, and searched for title; and be it further

5th **RESOLVED**, that the cost of such surveys, title searches, audits, maps and/or appraisals, if any, shall be paid from the funds to be appropriated pursuant to Article XII of the SUFFOLK COUNTY CHARTER as a reimbursement, if necessary, for costs incurred and paid

for from other funds or as a direct payment from such proceeds, as the case may be; and be it further

6th **RESOLVED**, that the Director of the Division of Real Property Acquisition and Management within the County Department of Environment and Energy, or his or her deputy, is hereby further authorized, empowered, and directed, pursuant to Section 42-2(C) of the SUFFOLK COUNTY CHARTER, to utilize such valid appraisals for the subject parcel as may be made available to the County by any pertinent municipality, either voluntarily or upon request by the County of Suffolk; and be it further

7th **RESOLVED**, that the County of Suffolk may reimburse any municipality, whose appraisal is utilized for the above-described purpose, for the cost of obtaining such appraisal in the event that the County elects to utilize such appraisals for the subject parcel; and be it further

8th **RESOLVED**, that this Legislature, being the State Environmental Quality Review Act (SEQRA) lead agency, hereby finds and determines that this resolution constitutes a Type II action pursuant to Section 617.5(c)(20), (21) and (27) of Title 6 of the NEW YORK CODE OF RULES AND REGULATIONS (6 NYCRR) and within the meaning of Section 8-0109(2) of the NEW YORK ENVIRONMENTAL CONSERVATION LAW as a promulgation of regulations, rules, policies, procedures, and legislative decisions in connection with continuing agency administration, management and information collection, and the Suffolk County Council on Environmental Quality (CEQ) is hereby directed to circulate any appropriate SEQRA notices of determination of non-applicability or non-significance in accordance with this resolution.

DATED: DEC 0 6 2011

APPROVED BY:

VETOED

County Executive of Suffolk County

Date: 12-22-11

VETO OVERRIDE ADOPTED ON DECEMBER 30, 2011

PARCEL	SUFFOLK COUNTY TAX MAP NUMBER		ACRES	REPUTED OWNER AND ADDRESS
1	District: Section Block Lot	0200 392.00 04.00 016.000	15	School Board of Education 11 New Lane Selden, NY 11784

EXHIBIT "A"

Intro. Res. 1841 Res. No. 990 December 6, 2011

Motion:
Romaine, Schneiderman, Browning, Muratore, Anker
Eddington, Montano, Cilmi, Lindsay, Viloria-Fisher, Barraga,
Kennedy, Nowick, Horsley, Gregory, Stern, D'Amaro, Cooper

Co-Sponsors:
Romaine, Schneiderman, Browning, Muratore, Anker
Eddington, Montano, Cilmi, Lindsay, Viloria-Fisher, Barraga,
Kennedy, Nowick, Horsley, Gregory, Stern, D'Amaro, Cooper

Second:
Romaine, Schneiderman, Browning, Muratore, Anker
Eddington, Montano, Cilmi, Lindsay, Viloria-Fisher, Barraga,
Kennedy, Nowick, Horsley, Gregory, Stern, D'Amaro, Cooper

LD	Legislator	Yes	No	Abs	NP	R
1	Edward P. ROMAINE	/				
2	Jay H. SCHNEIDERMAN	/				
3	Kate M. BROWNING	/				
4	Thomas MURATORE	/				
6	Sarah S. ANKER		/			
7	Jack EDDINGTON	/				
9	Ricardo MONTANO				/	
10	Thomas CILMI	/				
11	Thomas F. BARRAGA	/				
12	John M. KENNEDY, JR.	/				
13	Lynne C. NOWICK	/				
14	Wayne R. HORSLEY	/				
15	DuWayne GREGORY	/				
16	Steven H. STERN	/				
17	Lou D'AMARO	/				
18	Jon COOPER	/				
5	Vivian VILORIA-FISHER, D.P.O.	/				
8	William J. LINDSAY, P.O.		/			
	Totals	15	2	—	1	—

MOTION
X Approve
___ Table: _____
___ Send To Committee
___ Table Subject To Call
___ Lay On The Table
___ Discharge
___ Take Out of Order
___ Reconsider
___ Waive Rule ___
___ Override Veto
___ Close
___ Recess

APPROVED X FAILED ___
No Motion ___ No Second ___

RESOLUTION DECLARED
X ADOPTED
___ NOT ADOPTED

Roll Call X Voice Vote ___

Tim Laube
Tim Laube, Clerk of the Legislature

SUFFOLK COUNTY
County Legislature
RIVERHEAD, NY

This is to Certify That I, TIM LAUBE, Clerk of the County Legislature of the County of Suffolk, have compared the foregoing copy of resolution with the original resolution now on file in this office, and which was duly adopted by the County Legislature of said County on December 30,2011 and that the same is a true and correct transcript of said resolution and of the whole thereof.

In Witness Whereof, I have hereunto set my hand and the official seal of the County Legislature of the County of Suffolk.

Tim Laube

Clerk of the Legislature

Intro. Res. 1841 Res. No. 990 December 30, 2011

Motion:
Romaine, Schneiderman, Browning, Muratore, Anker
Eddington, Montano, Cilmi, Lindsay, Viloria-Fisher, Barraga,
Kennedy, Nowick, Horsley, Gregory, Stern, D'Amaro, Cooper

Co-Sponsors:
Romaine, Schneiderman, Browning, Muratore, Anker
Eddington, Montano, Cilmi, Lindsay, Viloria-Fisher, Barraga,
Kennedy, Nowick, Horsley, Gregory, Stern, D'Amaro, Cooper

Second:
Romaine, Schneiderman, Browning, Muratore, Anker
Eddington, Montano, Cilmi, Lindsay, Viloria-Fisher, Barraga,
Kennedy, Nowick, Horsley, Gregory, Stern, D'Amaro, Cooper

LD	Legislator	Yes	No	Abs	NP	R
1	Edward P. ROMAINE	/				
2	Jay H. SCHNEIDERMAN	/				
3	Kate M. BROWNING	/				
4	Thomas MURATORE					
6	Sarah S. ANKER		/			
7	Jack EDDINGTON		/			
9	Ricardo MONTANO		/			
10	Thomas CILMI	/				
11	Thomas F. BARRAGA		/			
12	John M. KENNEDY, JR.	/				
13	Lynne C. NOWICK	/				
14	Wayne R. HORSLEY	/				
15	DuWayne GREGORY	/				
16	Steven H. STERN	/				
17	Lou D'AMARO	/				
18	Jon COOPER	/				
5	Vivian VILORIA-FISHER, D.P.O.	/				
8	William J. LINDSAY, P.O.		/			
	Totals	13	5	—	—	—

MOTION

___Approve
___Table:_____
___Send To Committee
___Table Subject To Call
___Lay On The Table
___Discharge
___Take Out of Order
___Reconsider
___Waive Rule ____
_X_Override Veto
___Close
___Recess

APPROVED X FAILED___
No Motion___ No Second___

RESOLUTION DECLARED

_X_ADOPTED
___NOT ADOPTED

Tim Laube
Tim Laube, Clerk of the Legislature

Roll Call___Voice Vote X

COUNTY OF SUFFOLK

OFFICE OF THE COUNTY EXECUTIVE

Steve Levy
COUNTY EXECUTIVE

December 22, 2011

Presiding Officer William J. Lindsay and
Members of the Suffolk County Legislature
William H. Rogers Legislative Building
725 Veterans Memorial Highway
Smithtown, New York 11787

RESOLUTION NO. 990 – 2011, AUTHORIZING PLANNING STEPS FOR THE ACQUISITION OF LAND UNDER THE SUFFOLK COUNTY DRINKING WATER PROTECTION PROGRAM, AS AMENDED BY LOCAL LAW NO. 24-2007 – BOYLE ROAD PROPERTY – TOWN OF BROOKHAVEN (SCTM NO. 0200-392.00-04.00-016.000)

Dear Presiding Officer Lindsay and Members of the Legislature:

I am returning herein **RESOLUTION NO. 990 – 2011, AUTHORIZING PLANNING STEPS FOR THE ACQUISITION OF LAND UNDER THE SUFFOLK COUNTY DRINKING WATER PROTECTION PROGRAM, AS AMENDED BY LOCAL LAW NO. 24-2007 – BOYLE ROAD PROPERTY – TOWN OF BROOKHAVEN (SCTM NO. 0200-392.00-04.00-016.000)**; vetoed in its entirety.

The purpose of the ¼ percent sales tax for the preservation of open space was to protect land that was faced with threat of development. Land currently owned by other public entities, including school districts, is not facing development pressure. To ask the taxpayers to purchase property from a school district would result in having the residents of that school district pay for the same land twice. ***As I stated in my veto message of resolution 592-2011, Boyle Road Property on August 17, 2011***; purchasing property from a school district because they are facing financial pressure would set a dangerous precedent. I applaud the legislators who voted in opposition to the motion to override that veto; resulting in the veto being sustained. I once again call on you to cast the same vote on this proposed acquisition. We are facing limited funding for open space acquisitions with the conclusion of the accelerated ¼ percent program. The use of the future pay-go funds must be carefully optimized to achieve the best results. The funds are limited. Property owned by a school district already is in the public domain. Purchasing land already in public ownership is contrary to the fund's intended purpose.

For these reasons, I strongly urge the Legislature to sustain my veto of this resolution.

Sincerely,

Steve Levy
County Executive of Suffolk County

cc: All Suffolk County Legislators
Tim Laube, Clerk of the Legislature
Christine Malafi, Esq., Suffolk County Attorney
Lynne A. Bizzarro, Esq., Chief Deputy County Attorney
Edward Dumas, Chief Deputy County Executive
Eric Naughton, Deputy County Executive for Finance and Management
Ken Crannell, Deputy County Executive
Connie Corso, Budget Director
Eric Kopp, Assistant Deputy County Executive
Dan Aug, Director of Communications
Mark Smith, Deputy Director of Communications

Suffolk County Legislature

Recent Reports

Suffolk County Legislature Introductory Resolutions
Search Results

Introductory Resolution:	1841	IR Year:	2011
Resolution:	990	Res Year:	2011
Title:	Authorizing planning steps for the acquisition of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007 - Boyle Road property - Town of Brookhaven (SCTM No. 0200-392.00-04.00-016.000).		
Date Laid on the Table:	10/11/2011		
Sponsor:	Tom Muratore		
Co-Sponsor(s):			
Committee:	ENVIRONMENT, PLANNING AND AGRICULTURE		
Final Legislative Action:	Adopted 12/06/2011		
Final Executive Action:	Vetoed 12/22/2011		
Legislative Veto Action:	Veto Override Adopted 12/30/2011		
Vote Summary:	YES 13 Lou D'Amaro, Vivian Viloria-Fisher, Lynne Nowick, Jay Schneiderman, Wayne Horsley, Jon Cooper, Kate Browning, Thomas Barraga, Steven Stern, DuWayne Gregory, Tom Cilmi, Tom Muratore, Edward Romaine NO 5 William Lindsay, John Kennedy, Jr., Ricardo Montano, Jack Eddington, Sarah Anker NOT PRESENT 0 ABSTAIN 0 RECUSED 0		
	Financial Impact Statement		Backup Documentation*

*This link connects to a PDF document which contains all materials pertaining to the packet of Introductory Resolutions (IR) Laid on the Table at a General meeting of the Legislature. Once the PDF is open, scroll down to, or search for, the IR for which back-up is needed. The back-up materials, if any, that were filed with a resolution will appear immediately following the resolution in the PDF document.

This back-up may not be complete. Please contact the Clerk of the Legislature (853-4074) to determine if additional back up was added after the Laid on the Table Date.

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ENVIRONMENT, PLANNING and AGRICULTURE COMMITTEE

OF THE

SUFFOLK COUNTY LEGISLATURE

MINUTES

A regular meeting of the Environment, Planning and Agriculture Committee of the Suffolk County Legislature was held in the Rose Y. Caracappa Legislative Auditorium of the William H. Rogers Legislature Building, 725 Veterans Memorial Highway, Smithtown, New York on November 14, 2011.

MEMBERS PRESENT:
Leg. Vivian Viloria-Fisher, Chairperson
Leg. Lou D'Amaro, Vice Chair (not present)
Leg. Thomas Muratore
Leg. Edward P. Romaine
Leg. Sarah Anker

ALSO IN ATTENDANCE:
George Nolan, Counsel to the Legislature
Eric A. Kopp, County Executive's Office
Laura Halloran, Budget Review Office
Barbara LoMoriello, Deputy Clerk
Sarah Lansdale, Director/Department of Planning
Pamela Greene, Director/Real Property Acquisition & Management
Michael Mule, Department of Planning
Lauretta Fischer, Principal Environmental Analyst/Department of Planning
John H. Corral, Planning Department
Katie Magee, Planning Department
Janet Longo, Real Property Acquisition & Management
Frank P. Castelli, Environmental Projects Coordinator/DEE
DeWitt Davies, Chief Environmental Analyst/Planning Department
Tom Ryan, Aide to Leg. Viloria-Fisher
Justin Littell, Aide to Leg. D'Amaro
Paul Perillie, Aide to Majority Leader
Marge Acevedo, Aide to Presiding Officer
Jennifer Mesiano, Southampton Village/Mesiano Consulting
Rich Meyer, AME
Clayton Pruch
Elizabeth L. Baldwin
Jeremy Samuelson
Mary Jo Molloy
Bob DiBenedetto
Cindy Samuels
David Weinstein
And all other interested parties

VERBATIM MINUTES TAKEN BY:
Diana Flesher, Court Stenographer

0400-251.00-04.00-005.000). (Kennedy) I just received word that Legislator Kennedy would like that tabled. So I'll make that motion, seconded by Legislator Romaine. All in favor? Opposed? **IR 1748 stands tabled. (VOTE: 4-0-0-1. LEG. D'AMARO NOT PRESENT)**

IR 1841, Authorizing planning steps for the acquisition of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007 - Boyle Road property - Town of Brookhaven (SCTM No. 0200-392.00-04.00-016.000). (Muratore) And we will hear the presentation before entertaining any motions.

DIRECTOR LANSDALE:
Thank you. This property is located on the northwest corner of Hawkins Road and Boyle Road in the hamlet of Selden in the Town of Brookhaven. It's part of the school facility property, 15.82 acres of a 21.3 acre site. This property was previously proposed for planning steps as IR 1140 of 2011, and was vetoed by the County Executive and a veto override was not adopted on September 15th.

The portion of the property that is being considered for acquisition is mostly wooded and is located on the north and west sides of the property. It surrounds the school buildings located on the southeast corner of the property. It's adjacent to a proposed County acquisition on the west side of the property known as Grace Presbyterian Church. The County's in the process of acquiring part of the church property that consists of ballfields.

Town of Brookhaven has agreed by approved town resolution to develop and maintain these ballfields. The Town of Brookhaven owns an active recreational site to the north of the property, and this property is being considered for active recreational uses. The Town of Brookhaven has adopted -- approved a resolution stating that they're interested in partnering with County to acquire the property and the Town would develop and maintain the property for active use for ballfields as well. So the County would acquire the property and the Town would develop and maintain the property just to clarify that.

CHAIRWOMAN VILORIA-FISHER:
Thank you, Commissioner. Is there a motion?

LEG. MURATORE:
Yes.

CHAIRWOMAN VILORIA-FISHER:
Motion to approve by Legislator Muratore, seconded by Legislator Romaine. All in favor? Opposed? Okay, motion carries. **(VOTE: 4-0-0-1. LEG. D'AMARO NOT PRESENT)**

IR 1868, making a SEQRA determination in connection with the proposed rehabilitation of CR 35, Mill Dam Road Bulkhead and Shoreline Improvements, CP 5375, Town of Huntington. (Pres. Off.) I'll make a motion to to approve and place on the consent calendar. Is there a second? Legislator Muratore seconds that motion. All in favor? Opposed? **IR 1868 stands approved and placed on the consent calendar. (VOTE: 4-0-0-1. LEG. D'AMARO NOT PRESENT)**

IR 1870, Making a SEQRA determination in connection with the proposed Suffolk County Eelgrass Restoration Initiative. (Pres. Off.) I will make a motion to approve and place on the consent calendar, seconded by Legislator Muratore. All in favor? Opposed? **IR 1870 is approved and placed on the consent calendar. (VOTE: 4-0-0-1. LEG. D'AMARO NOT PRESENT)**

IR 1872, Making a SEQRA determination in connection with the proposed final scoping document for the Suffolk County Sewer Capacity Study for Bellport, Sayville, Ronkonkoma

SUFFOLK COUNTY LEGISLATURE

GENERAL MEETING

SIXTEENTH DAY

November 22, 2011

VERBATIM TRANSCRIPT

MEETING HELD AT THE WILLIAM H. ROGERS LEGISLATURE BUILDING
IN THE ROSE Y. CARACAPPA LEGISLATIVE AUDITORIUM
725 VETERANS MEMORIAL HIGHWAY
SMITHTOWN, NEW YORK

Verbatim Minutes Taken & Transcribed By:
Alison Mahoney & Lucia Braaten - Court Reporters

P.O. LINDSAY:
Second by Legislator Horsley. All in favor? Opposed? Abstentions?

MR. LAUBE:
Eighteen.

P.O. LINDSAY:
1841 - Authorizing planning steps for the acquisition of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007 - Boyle Road property - Town of Brookhaven (SCTM No. 0200-392.00-04.00-016.000) (Muratore).

LEG. MURATORE:
Motion to approve.

P.O. LINDSAY:
Motion to approve by Legislator Muratore.

LEG. CILMI:
Second.

P.O. LINDSAY:
Second by Legislator Cilmi.

LEG. MONTANO:
Oh, the school property, yeah.

P.O. LINDSAY:
Yeah. We approved this once before and it was vetoed, right? Is this the same parcel?

LEG. ANKER:
No, it wasn't approved.

P.O. LINDSAY:
Do you know, George?

MR. NOLAN:
Maybe. I'm pretty sure this was passed. It was vetoed, and I believe the veto was sustained on the same property. That's my recollection.

P.O. LINDSAY:
Okay. We have a motion and a second to approve. I just got to say, I can't support it because it's just going to go down the same road again.

LEG. ANKER:
Can I say something?

P.O. LINDSAY:
Yes, Legislator Anker.

LEG. ANKER:
My recollection was that it wasn't -- I don't know. Do you remember? That it wasn't approved? This was your bill, yes? And it didn't go, okay.

P.O. LINDSAY:
I'm almost sure it was approved and vetoed.

LEG. ANKER:
I don't think it was. It was.

LEG. MONTANO:
It was vetoed, though.

LEG. ANKER:
It was vetoed, okay. All right, just to confirm that. My concern with this particular parcel is that it is owned by a school district. And again, I don't feel that the taxpayers should spend twice for the same piece of land. The school district property was purchased through, you know, the taxpayers and, you know, at a substantially lower rate, and now the County again is going to purchase this same piece of property. I think it's a wonderful idea to allow this property to be used for the benefit of the community and for the kids. However, I think the school district should be more assertive in trying to find a partnership, a public/private partnership, or just a private partnership like the North Shore Colts or other type of ball field type of clubs. I think that would be a wonderful idea, and then there's not as much of a burden on -- you know, on the taxpayers as far as where the funding will come from.

LEG. MURATORE:
So, if that doesn't work, you want to give it to a developer.

D.P.O. VILORIA-FISHER:
Through the Chair.

P.O. LINDSAY:
Go ahead.

D.P.O. VILORIA-FISHER:
Legislator Muratore, I think you know that I taught at Selden Junior High for quite a while, and I think this land actually may have been given to the Middle Country School District when the Levitt Homes went up there right off of Hawkins. There was a development. So maybe you could check on that. I think that this actually may not have paid for -- but you could check on that.

LEG. MURATORE:
So then it wasn't paid with taxpayer dollar.

D.P.O. VILORIA-FISHER:
That was my recollection, but I'm going back about 40 years. So I'm just going to --

LEG. CILMI:
Forty years?

LEG. MURATORE:
That's before my time.

D.P.O. VILORIA-FISHER:
I started teaching at Selden Junior High in 1969.

LEG. MONTANO:
Can we take that to the bank?

D.P.O. VILORIA-FISHER:
You sure can, as long as you're not a taxpayer.

LEG. MONTANO:
We are taxpayers.

LEG. MURATORE:
Can I do this, then, can I change my motion to table so we can research this and then --

P.O. LINDSAY:
Sure.

LEG. MURATORE:
Okay? Motion to table, then.

P.O. LINDSAY:
We have a motion and a second to table. All in favor? Opposed? Abstentions?

MR. LAUBE:
Eighteen.

P.O. LINDSAY:
1883 - Amending the Adopted 2011 Operating Budget to transfer funds from Fund 477 Water Quality Protection, amending the 2011 Capital Budget and Program, and appropriating funds in connection with the purchase of equipment for Hexavalent Chromium Testing (CP 8710.513) (County Executive).

D.P.O. VILORIA-FISHER:
Motion.

P.O. LINDSAY:
Motion by Legislator Viloria-Fisher. Do I have a second?

LEG. CILMI:
Second.

P.O. LINDSAY:
Second by Legislator Cilmi. I would probably be very happy to support this resolution if I knew what that was.

D.P.O. VILORIA-FISHER:
You know, this is some work that's being done by the Health Department, you know, the Division of Environmental Quality, Walter Dawydiak, and I believe it has to do with looking at new types of water cleansing, like in sewer systems, chromium systems.

P.O. LINDSAY:
Okay.

D.P.O. VILORIA-FISHER:
You know, I'm not a scientist, I'm not going to pretend, but Walter did a great presentation at the Water Quality Review Committee on this new kind of equipment.

P.O. LINDSAY:
Okay. We have a motion and a second. All in favor? Opposed? Abstentions?

SUFFOLK COUNTY LEGISLATURE

GENERAL MEETING

SEVENTEENTH DAY

DECEMBER 6, 2011

VERBATIM TRANSCRIPT

MEETING HELD AT THE MAXINE S. POSTAL LEGISLATIVE AUDITORIUM
EVANS K. GRIFFING BUILDING
300 CENTER DRIVE
RIVERHEAD, NEW YORK

Verbatim Minutes Taken & Transcribed by:
Diana Flesher & Alison Mahoney - Court Reporters

LEG. COOPER:
Yes.

LEG. D'AMARO:
Yes.

LEG. STERN:
Yes.

LEG. GREGORY:
Yes.

LEG. HORSLEY:
Yes.

LEG. NOWICK:
Yes.

LEG. KENNEDY:
Yes.

LEG. BARRAGA:
No.

LEG. CILMI:
Yes.

LEG. MONTANO:
(Absent).

LEG. EDDINGTON:
Yes.
LEG. ANKER:
Yes.

LEG. MURATORE:
Yes.

LEG. BROWNING:
No.

LEG. SCHNEIDERMAN:
Yes, again.

D.P.O. VILORIA-FISHER:
Yes.

MS. ORTIZ:
Fifteen.

P.O. LINDSAY:
Okay. There was a Tabled Resolution that was left off the agenda, it's been distributed to everybody, it's ***IR 1841-11 - Authorizing planning steps for the acquisition of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007***

- Boyle Road property - Town of Brookhaven (SCTM No. 0200-392.00-04.00-016.000) (Muratore).

LEG. MURATORE:
Motion to approve.

LEG. ROMAINE:
Second.

P.O. LINDSAY:
Motion to approve. Seconded by Legislator Romaine. Legislator Anker?

LEG. ANKER:
Did we find out if that property was donated?

LEG. MURATORE:
We just came from the Clerk's Office; it was purchased in 1962, the entire 21-acres, for less than $70,000. We're looking to take 15, the school is going to keep six, so it's --

P.O. LINDSAY:
I'll make a motion to table.

LEG. ANKER:
I'll second.

P.O. LINDSAY:
Second by Legislator Anker. Any discussion? Tabling goes first.
I'll call the roll.

(*Roll Called by Ms. Ortiz - Chief Deputy Clerk*)

P.O. LINDSAY:
Yes to table.

LEG. ANKER:
Yes.

LEG. COOPER:
Yes to table.

LEG. D'AMARO:
No.

LEG. STERN:
Yes.

LEG. GREGORY:
Yes.

LEG. HORSLEY:
Yes.

LEG. NOWICK:
No.

LEG. KENNEDY:
No.

LEG. BARRAGA:
No.

LEG. CILMI:
No.

LEG. MONTANO:
(Absent).

LEG. EDDINGTON:
Yes.

LEG. MURATORE:
No.

LEG. BROWNING:
Yes.

LEG. SCHNEIDERMAN:
No to table.

LEG. ROMAINE:
No to table.

D.P.O. VILORIA-FISHER:
No.

MS. ORTIZ:
Eight.

P.O. LINDSAY:
Okay, the tabling fails. To approve? Roll call.

(*Roll Called by Ms. Ortiz - Chief Deputy Clerk*)

LEG. MURATORE:
Yes.

LEG. ROMAINE:
Yes.

LEG. COOPER:
Yes.

LEG. D'AMARO:
Yes.

LEG. STERN:
Yes.

LEG. GREGORY:
Yes.

LEG. HORSLEY:
Yes.

LEG. NOWICK:
Yes.

LEG. KENNEDY:
Yes.

LEG. BARRAGA:
Yes.

LEG. CILMI:
Yes.

LEG. MONTANO:
(Absent).

LEG. EDDINGTON:
Yes.

LEG. ANKER:
No.

LEG. BROWNING:
Yes.

LEG. SCHNEIDERMAN:
Yes.

D.P.O. VILORIA-FISHER:
Yes.

P.O. LINDSAY:
No.

MS. ORTIZ:
Fifteen.

Budget & Finance, Information Technology:

P.O. LINDSAY:
Okay, ***1963-11 - Adopting Local Law No. -2011, A Local Law authorizing the sale of the County's ownership interest in the Residual Trust established under the declaration and agreement of trust by and between the Wilmington Trust Company and Suffolk Tobacco Asset Securitization Corporation (Presiding Officer Lindsay).*** I'll make a motion.

SUFFOLK COUNTY LEGISLATURE

SPECIAL MEETING

December 30, 2011

NINETEENTH DAY

Special Meeting held in the Rose Y. Caracappa Legislative Auditorium
Of the William H. Rogers Legislature Building
725 Veterans Memorial Highway, Smithtown, New York

Verbatim Minutes Taken By:
Alison Mahoney - Court Reporter

MR. LAUBE:
Seventeen (Not Present: Legislator Montano).

P.O. LINDSAY:
Okay. I am going to go in to the vetoes.

(*Legislator Montano entered the meeting at 3:36 P.M.*)

And I just want a clarification from Counsel whether we can do any or all of them by voice vote or do they all have to be roll calls?

MR. NOLAN:
I would state no, we don't have to do roll calls, except on the overrides of the Bond Resolutions, we should do those by a roll call vote on the bonds.

P.O. LINDSAY:
Okay.

MR. NOLAN:
We otherwise don't have to.

P.O. LINDSAY:
Okay. If it's all right with everybody, anything that I can do by a voice vote, is that all right with everybody?

"Yes" said in unison

The motivation here is --

D.P.O. VILORIA-FISHER:
Speed.

P.O. LINDSAY:
Yes. I've inconvenienced everybody enough and I'd like to get this over with as quickly as possible.

LEG. NOWICK:
You didn't inconvenience us.

P.O. LINDSAY:
Okay, first up is 1057, the Legislature of the County of Suffolk repealing its cents per -- no, that isn't the first one up.

990-11 - Authorizing planning steps for the acquisition of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007 - Boyle Road property - Town of Brookhaven.
(SCTM No. 0200-392.00-04.00-016.000) (Muratore).

LEG. MURATORE:
Motion to override.

LEG. KENNEDY:
Second.

P.O. LINDSAY:
Any discussion?

D.P.O. VILORIA-FISHER:
No, we've discussed this to death.

P.O. LINDSAY:
Okay.

MR. LAUBE:
Who was the motion and the second? I heard it but I didn't --

P.O. LINDSAY:
Motion by Legislator Muratore. Seconded by Legislator Kennedy. All in favor? Opposed?

LEG. BARRAGA:
Opposed.

LEG. EDDINGTON:
Opposed.

("Opposed" said in unison)

P.O. LINDSAY:
Okay, somebody is calling for a roll call.

LEG. MONTANO:
We don't need a roll call.

P.O. LINDSAY:
Go ahead.

MR. LAUBE:
If you hold your hands up, I can take it.

P.O. LINDSAY:
Opposed?

MR. LAUBE:
Hold them up, not just like -- not here, I need a here. Thanks.

MS. ORTIZ:
Anyone else over here in the negative?

MR. LAUBE:
Thirteen (Opposed: Legislators Anker, Eddington, Montano, Lindsay & Barraga).

P.O. LINDSAY:
Okay, ***1015-11 - Increasing the vehicle use fees at County parks (Presiding Officer Lindsay).*** I make a motion to override.

LEG. COOPER:
Second.

COUNTY OF SUFFOLK

STEVEN BELLONE
COUNTY EXECUTIVE

DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING
DIVISION OF PLANNING AND ENVIRONMENT

COUNCIL ON ENVIRONMENTAL QUALITY

GLORIA RUSSO
CHAIRPERSON
CEQ

MEMORANDUM

TO: Honorable Steven Bellone, Suffolk County Executive
Honorable DuWayne Gregory, Presiding Officer

FROM: Gloria Russo, Chairperson

DATE: January 15, 2014

RE: CEQ Review of the Recommended SEQRA Classifications of Legislative Resolutions Laid on the Table December 17, 2013

At its January 15, 2014 meeting, the CEQ reviewed the above referenced matter. Pursuant to Chapter 450 of the Suffolk County Code, and based on the information received, the Council recommends to the Suffolk County Legislature and County Executive in CEQ Resolution No. 03-2014, a copy of which is attached, that the enclosed list of legislative resolutions laid on the table December 17, 2013, be classified pursuant to SEQRA as so indicated in the left hand margin. The proposed resolutions are Type II actions pursuant to the appropriate section of Title 6 NYCRR Part 617.5, with no further environmental review necessary. Unlisted and Type I actions require that the initiating unit of County government prepare an Environmental Assessment Form (EAF), or other SEQRA documentation and submit it to the CEQ for further SEQRA review and recommendations.

Enclosed for your information is a copy of CEQ Resolution No. 03-2014 setting forth the Council's recommendations along with the associated list of legislative resolutions. If the Council can be of further help in this matter, please let us know.

Enc.
cc: All Suffolk County Legislators
Tim Laube, Clerk of Legislature
George Nolan, Attorney for the Legislature
Sarah Lansdale, Director of Planning, Department of Economic Development and Planning
Andrew Freleng, Chief Planner, Department of Economic Development and Planning
Dennis Brown, Suffolk County Attorney

CEQ RESOLUTION NO. 03-2014, RECOMMENDATION CONCERNING SEQRA CLASSIFICATIONS OF LEGISLATIVE RESOLUTIONS LAID ON THE TABLE DECEMBER 17, 2013 PURSUANT TO CHAPTER 450 OF THE SUFFOLK COUNTY CODE

WHEREAS, the legislative packet regarding resolutions laid on the table December 17, 2013 has been received in the CEQ office; and

WHEREAS, staff has preliminarily reviewed the proposed resolutions and recommended SEQRA classifications; now, therefore, be it

1st RESOLVED, that in the judgment of the CEQ, based on the information received and presented, a quorum of the Council recommends to the Suffolk County Legislature and County Executive, pursuant to Chapter 450 of the Suffolk County Code, that the attached list of actions and projects be classified by the Legislature and County Executive pursuant to SEQRA as so indicated.

DATED: 1/15/2014

PROJECT #: PLN-02-2014
RESOLUTION #: 03-2014
DATE: January 15, 2014

RECORD OF CEQ RESOLUTION VOTES

CEQ APPOINTED MEMBERS	AYE	NAY	ABSTAIN	NOT PRESENT	RECUSED
James Bagg	☒	☐	☐	☐	
Eva Growney	☒	☐	☐	☐	
Thomas C. Gulbransen	☐	☐	☐	☒	
Hon. Kara Hahn	☒	☐	☐	☐	
Michael Kaufman	☒	☐	☐	☐	
Daniel Pichney	☐	☐	☐	☒	
Gloria G. Russo	☒	☐	☐	☐	
Mary Ann Spencer	☐	☐	☐	☒	
Larry Swanson	☒	☐	☐	☐	
CAC REPRESENTATIVES	☐	☐	☐	☐	

Motion: Mr. Kaufman
Second: Mr. Bagg

Further information may be obtained by contacting:

Andrew P. Freleng, Chief Planner
Council on Environmental Quality
P.O. Box 6100
Hauppauge, New York 11788
Tel: (631) 853-5191

LAID ON THE TABLE DECEMBER 17, 2013

LADS REPORT PREPARED BY:
Michele Gerardi

Type II Action 6 NYCRR 617.5(c) (20)(27) 2107. Amending Resolution No. 1172-2013, implementing budget, staff and taxes for the Fiscal Year 2014 (Discretionary). (Pres. Off.)

Type II Action 6 NYCRR 617.5(c) (20)(27) 2108. Amending Resolution No. 1173-2013, implementing Fiscal Year 2014 (Mandated). (Pres. Off.)

Type II Action 6 NYCRR 617.5(c) (20)(27) 2109. Authorizing amended Tax Warrant for Resolution No. 1174-2013 (for the Town of Southold and Brookhaven) to be signed by the Presiding Officer and the Clerk of the County Legislature. (Pres. Off.)

Type II Action 6 NYCRR 617.5(c) (20)(27) 2110. Authorizing an Intermunicipal Agreement with the Village of Patchogue and the County of Suffolk for exchange services for the Mutual Benefit of Residents of the County and the Village. (Co. Exec.)

Type II Action 6 NYCRR 617.5(c) (20)(27) 2111. Accepting and appropriating a grant in the amount of $960 from the New York State Governor's Traffic Safety Committee Grant (GTSC FFY2013) Buckle-Up NY Program with 100% support for Park Police Traffic Safety Initiative. (Co. Exec.)

COUNTY OF SUFFOLK

STEVEN BELLONE
COUNTY EXECUTIVE

DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING
DIVISION OF PLANNING AND ENVIRONMENT

COUNCIL ON ENVIRONMENTAL QUALITY

GLORIA RUSSO
CHAIRPERSON
CEQ

MEMORANDUM

TO: Honorable Steven Bellone, Suffolk County Executive
Honorable DuWayne Gregory, Presiding Officer

FROM: Gloria Russo, Chairperson

DATE: January 15, 2014

RE: CEQ Review of the Recommended SEQRA Classifications of Legislative Resolutions Laid on the Table January 2, 2014

At its January 15, 2014 meeting, the CEQ reviewed the above referenced matter. Pursuant to Chapter 450 of the Suffolk County Code, and based on the information received, the Council recommends to the Suffolk County Legislature and County Executive in CEQ Resolution No. 04-2014, a copy of which is attached, that the enclosed list of legislative resolutions laid on the table January 2, 2014, be classified pursuant to SEQRA as so indicated in the left hand margin. The majority of the proposed resolutions are Type II actions pursuant to the appropriate section of Title 6 NYCRR Part 617.5, with no further environmental review necessary. Unlisted and Type I actions require that the initiating unit of County government prepare an Environmental Assessment Form (EAF), or other SEQRA documentation and submit it to the CEQ for further SEQRA review and recommendations.

Enclosed for your information is a copy of CEQ Resolution No. 04-2014 setting forth the Council's recommendations along with the associated list of legislative resolutions. If the Council can be of further help in this matter, please let us know.

Enc.
cc: All Suffolk County Legislators
Tim Laube, Clerk of Legislature
George Nolan, Attorney for the Legislature
Sarah Lansdale, Director of Planning, Department of Economic Development and Planning
Andrew Freleng, Chief Planner, Department of Economic Development and Planning
Dennis Brown, Suffolk County Attorney

Project # PLN-03-14 January 15, 2014

CEQ RESOLUTION NO. 04-2014, RECOMMENDATION CONCERNING SEQRA CLASSIFICATIONS OF LEGISLATIVE RESOLUTIONS LAID ON THE TABLE JANUARY 2, 2014 PURSUANT TO CHAPTER 450 OF THE SUFFOLK COUNTY CODE

WHEREAS, the legislative packet regarding resolutions laid on the table January 2, 2014 has been received in the CEQ office; and

WHEREAS, staff has preliminarily reviewed the proposed resolutions and recommended SEQRA classifications; now, therefore, be it

1st RESOLVED, that in the judgment of the CEQ, based on the information received and presented, a quorum of the Council recommends to the Suffolk County Legislature and County Executive, pursuant to Chapter 450 of the Suffolk County Code, that the attached list of actions and projects be classified by the Legislature and County Executive pursuant to SEQRA as so indicated.

DATED: 1/15/2014

PROJECT #: PLN-03-2014
RESOLUTION #: 04-2014
DATE: January 15, 2014

RECORD OF CEQ RESOLUTION VOTES

CEQ APPOINTED MEMBERS	AYE	NAY	ABSTAIN	NOT PRESENT	RECUSED
James Bagg	☒	☐	☐	☐	
Eva Growney	☒	☐	☐	☐	
Thomas C. Gulbransen	☐	☐	☐	☒	
Hon. Kara Hahn	☒	☐	☐	☐	
Michael Kaufman	☒	☐	☐	☐	
Daniel Pichney	☐	☐	☐	☒	
Gloria G. Russo	☒	☐	☐	☐	
Mary Ann Spencer	☐	☐	☐	☒	
Larry Swanson	☒	☐	☐	☐	
CAC REPRESENTATIVES	☐	☐	☐	☐	

Motion: Mr. Kaufman
Second: Ms. Growney

Further information may be obtained by contacting:

Andrew P. Freleng, Chief Planner
Council on Environmental Quality
P.O. Box 6100
Hauppauge, New York 11788
Tel: (631) 853-5191

LAID ON THE TABLE JANUARY 2, 2014

LADS REPORT PREPARED BY:
Michele Gerardi

Type II Action 6 NYCRR 617.5(c) (20)(27)	1000.	Authorizing conveyance of real property to First Baptist Church of Bay Shore. (Barraga) WAYS & MEANS
Type II Action 6 NYCRR 617.5(c) (20)(15)(27)	1001.	Repealing Resolution No. 726-2013 and authorizing the use of Smith Point County Park by the Long Island 2 Day Walk to Fight Breast Cancer, Inc. for Breast Cancer Walk in 2014. (Browning) PARKS & RECREATION
Type II Action 6 NYCRR 617.5(c) (2)(20)(21)(27)	1002.	Authorizing an agreement to revitalize Cedar Island Lighthouse. (Schneiderman) PARKS & RECREATION
Completes SEQRA	1003.	Making a SEQRA determination in connection with the proposed remediation of stormwater flooding in the vicinity of the North Fork Preserve, Town of Riverhead. (Pres. Off.) ENVIRONMENT, PLANNING AND AGRICULTURE
Type II Action 6 NYCRR 617.5(c) (18)(20)(27)	1004.	Appropriating funds in connection with County Share for the creation of the Shirley/Mastic Sewer District, Town of Brookhaven (CP 8134). (Browning) PUBLIC WORKS AND TRANSPORTATION
Type II Action 6 NYCRR 617.5(c) (20)(27)	1005.	Authorizing the payment of the County of Suffolk's proportionate share of the capital expenditures for improvements to the sewage treatment plant at Dorade (Suffolk County Sewer District No. 8 – Strathmore Ridge). (Co. Exec.) PUBLIC WORKS AND TRANSPORTATION
Type II Action 6 NYCRR 617.5(c) (20)(25)(27)	1006.	Amending Resolution No. 413-2013 which appropriated funds in connection with the purchase of replacement public safety vehicles (CP 3512). (Co. Exec.) PUBLIC SAFETY
Type II Action 6 NYCRR 617.5(c) (20)(27)	1007.	Accepting the donation of a tow truck from the Peninsula Insurance Company, a Donegal Insurance Group Company for use by the Suffolk County Police Department. (Co. Exec.) PUBLIC SAFETY
Type II Action 6 NYCRR 617.5(c) (20)(27)	1008.	Delegating authority to refund certain erroneous tax payments to the Suffolk County Treasurer. (Co. Exec.) BUDGET AND FINANCE
Type II Action 6 NYCRR 617.5(c) (20)(27)	1009.	Authorizing certain technical correction to Adopted Resolution No. 923-2013. (Co. Exec.) WAYS & MEANS
Type II Action 6 NYCRR 617.5(c) (20)(25)(27)	1010.	Accepting and appropriating a grant in the amount of $250,381 in State funding from the New York State Division of Homeland Security and Emergency Services, for the Public Safety Answering Point (PSAP) Grant Program with 100% support. (Co. Exec.) PUBLIC SAFETY
Unlisted Action	1011.	Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Don Vielie (SCTM No. 0200-879.00-03.00-006.000). (Co. Exec.) WAYS & MEANS

Unlisted Action 1012. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Christopher L. Harmse and Audrey J. Harmse, his wife (SCTM NO. 0200-952.00-02.00-048.000). (Co. Exec.) WAYS & MEANS

Unlisted Action 1013. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act C.C.L. Construction and Managing Corp. (SCTM No. 0900-114.00-01.00-043.000). (Co. Exec.) WAYS & MEANS

Unlisted Action 1014. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act 46 Indian Road, LLC (SCTM No. 0900-058.00-05.00-005.004). (Co. Exec.) WAYS & MEANS

Unlisted Action 1015. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Estate of Paul Michalowski, Mary Reardon, as devisee (SCTM No. 0200-486.00-04.00-002.000). (Co. Exec.) WAYS & MEANS

Unlisted Action 1016. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Estate of Edward D. Ralph, as to a ⅓ interest and Charles Rodman Murtha and Monnie Wilcoxon Murtha, his wife, as to a ⅔ interest (SCTM No. 0600-040.00-01.00-005.001). (Co. Exec.) WAYS & MEANS

Unlisted Action 1017. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Fausto Nunez and Juana Nunez (SCTM No. 0200-280.00-01.00-015.000). (Co. Exec.) WAYS & MEANS

Unlisted Action 1018. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Jean Louis and Uraine Louis, his wife (SCTM No. 0800-115.00-03.00-014.000). (Co. Exec.) WAYS & MEANS

Unlisted Action 1019. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Joseph M. Kohler, Jr. (SCTM No. 0200-072.00-02.00-027.000). (Co. Exec.) WAYS & MEANS

Unlisted Action 1020. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act June Alice Osburne (SCTM No. 0300-058.00-06.00-012.000). (Co. Exec.) WAYS & MEANS

Unlisted Action 1021. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Susan C. Wolin, as surviving tenant of the entirety (SCTM No. 0300-184.00-02.00-042.000). (Co. Exec.) WAYS & MEANS

Unlisted Action 1022. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Bill Theoharis, Anthony Theoharis and Anna Arabos, as tenants in common (SCTM No. 1000-022.00-04.00-011.000). (Co. Exec.) WAYS & MEANS

Unlisted Action 1023. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Wayne Hausch and Patricia A. Hausch, his wife (SCTM No. 0200-698.00-01.00-004.006). (Co. Exec.) WAYS & MEANS

Type II Action 6 NYCRR 617.5(c) (20)(27) 1024. To readjust, compromise, and grant refunds and charge-backs on real property correction of errors by: County Legislature (Control No. 940-2013). (Co. Exec.) BUDGET AND FINANCE

Unlisted Action 1025. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Brandon Pinto (SCTM No. 0200-479.00-03.00-021.000). (Co. Exec.) WAYS & MEANS

Unlisted Action 1026. Authorizing the sale, pursuant to Local Law No. 16-1976, of real property acquired under Section 46 of the Suffolk County Tax Act Donna Ibsen (SCTM No. 0900-255.00-01.00-036.000). (Co. Exec.) WAYS & MEANS

Type II Action 6 NYCRR 617.5(c) (20)(27) 1027. Adopting Local Law No. -2014, A Local Law to amend Section A13-10 of the Suffolk County Administrative Code to authorize donation of property held by the Police Property Bureau. (Co. Exec.) PUBLIC SAFETY

Type II Action 6 NYCRR 617.5(c) (20)(21)(27) 1028. Authorizing appraisal of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007, Mowdy property - Town of Brookhaven (SCTM No. 0209-021.00-05.00-032.000). (Browning) ENVIRONMENT, PLANNING AND AGRICULTURE

Type II Action 6 NYCRR 617.5(c) (20)(21)(27) 1029. Authorizing appraisal of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007, Bello property – Town of Brookhaven (SCTM No. 0209-036.00-03.00-042.000). (Browning) ENVIRONMENT, PLANNING AND AGRICULTURE

Type II Action 6 NYCRR 617.5(c) (20)(21)(27) 1030. Authorizing appraisal of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007, Bayview Drive, Mennuti property - Town of Brookhaven (SCTM No. 0209-037.00-01.00-021.000). (Browning) ENVIRONMENT, PLANNING AND AGRICULTURE

Type II Action 6 NYCRR 617.5(c) (20)(21)(27) 1031. Authorizing appraisal of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007, Riviera Drive, Mennuti property – Town of Brookhaven (SCTM No. 0209-025.00-07.00-004.000). (Browning) ENVIRONMENT, PLANNING AND AGRICULTURE

Type II Action 6 NYCRR 617.5(c) (20)(21)(27) 1032. Authorizing appraisal of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007, Pletenik property - Town of Brookhaven (SCTM Nos. 0209-033.00-07.00-025.000 and 0209-033.00-07.00-026.000). (Browning) ENVIRONMENT, PLANNING AND AGRICULTURE

Type II Action 6 NYCRR 617.5(c) (20)(21)(27) 1033. Authorizing appraisal of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007, Dittmer property – Town of Brookhaven (SCTM Nos. 0209-027.00-08.00-032.000, 0209-036.00-03.00-036.000 and 0209-027.00-05.00-025.000). (Browning) ENVIRONMENT, PLANNING AND AGRICULTURE

Type II Action 6 NYCRR 617.5(c) (20)(21)(27) 1034. Authorizing appraisal of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007, Farmer property – Town of Brookhaven (SCTM No. 0209-027.00-02.00-031.000). (Browning) ENVIRONMENT, PLANNING AND AGRICULTURE

Type II Action 6 NYCRR 617.5(c) (20)(21)(27) 1035. Authorizing appraisal of land under the Suffolk County Drinking Water Protection Program, as amended by Local Law No. 24-2007, Rivela property – Town of Brookhaven (SCTM No. 0209-027.00-07.00-057.000 and 0209-027.00-07.00-058.000). (Browning) ENVIRONMENT, PLANNING AND AGRICULTURE

Type II Action 6 NYCRR 617.5(c) (20)(27) 1036. Terminating a certain contract with Community Housing Innovations to provide Homeless Shelter Services. (Kennedy) HUMAN SERVICES

Type II Action 6 NYCRR 617.5(c) (20)(27) 1037. Declaring the week of February 23, 2014 through March 1, 2014 as "Eating Disorders Awareness Week" in Suffolk County. (Spencer) HEALTH

Unlisted Action 1038. Authorizing the sale of County-owned real property pursuant to Section 72-H of the General Municipal Law to the Village of Mastic Beach for Affordable Housing Purposes (SCTM No. 0209-032.00-05.00-029.000). (Browning) GOVERNMENT OPERATIONS, PERSONNEL, HOUSING & CONSUMER PROTECTION

Type II Action 6 NYCRR 617.5(c) (20)(27) 1039. Adopting Local Law No. -2014, A Local Law to raise the legal age for the sale of tobacco products in Suffolk County. (Spencer) HEALTH

CEQ RESOLUTION NO. 05-2014, APPOINTMENT OF CEQ OFFICERS
APPOINTMENT OF CHAIRPERSON

WHEREAS, the Council on Environmental Quality conducts an annual election to appoint a Chairperson to administer and facilitate all scheduled meetings in accordance with adopted CEQ bylaws; and

WHEREAS, at its January 15, 2014 meeting, the Council on Environmental Quality nominated one of its members for the officer position of Chairperson; now, therefore be it

RESOLVED, that the Council on Environmental Quality hereby elects Gloria Russo to the officer position of Chairperson for a term of one year.

PROJECT PLN-04-2014
RESOLUTION # 05-2014
DATE: January 15, 2014

RECORD OF CEQ RESOLUTION VOTES

CEQ APPOINTED MEMBERS	AYE	NAY	ABSTAIN	NOT PRESENT	RECUSED
James Bagg	☒	☐	☐	☐	
Eva Growney	☒	☐	☐	☐	
Thomas C. Gulbransen	☐	☐	☐	☒	
Hon. Kara Hahn	☒	☐	☐	☐	
Michael Kaufman	☒	☐	☐	☐	
Daniel Pichney	☐	☐	☐	☒	
Gloria G. Russo	☒	☐	☐	☐	
Mary Ann Spencer	☐	☐	☐	☒	
Larry Swanson	☒	☐	☐	☐	
CAC REPRESENTATIVES	☐	☐	☐	☐	

Motion: Mr. Swanson
Second: Mr. Kaufman

Further information may be obtained by contacting:

Andrew P. Freleng, Chief Planner
Council on Environmental Quality
P.O. Box 6100
Hauppauge, New York 11788
Tel: (631) 853-5191

CEQ RESOLUTION NO. 06-2014, APPOINTMENT OF CEQ OFFICERS
APPOINTMENT OF VICE-CHAIRMAN

WHEREAS, the Council on Environmental Quality conducts an annual election to appoint a Vice-Chairman to administer and facilitate all scheduled meetings in the absence of the Chairperson in accordance with adopted CEQ bylaws; and

WHEREAS, at its January 15, 2014 meeting, the Council on Environmental Quality nominated one of its members for the officer position of Vice-Chairman; now, therefore be it

RESOLVED, that the Council on Environmental Quality hereby elects James Bagg to the officer position of Vice-Chairman for the term of one-year;

PROJECT PLN-05-2014
RESOLUTION # 06-2014
DATE: January 15, 2014

RECORD OF CEQ RESOLUTION VOTES

CEQ APPOINTED MEMBERS	AYE	NAY	ABSTAIN	NOT PRESENT	RECUSED
James Bagg	☒	☐	☐	☐	
Eva Growney	☒	☐	☐	☐	
Thomas C. Gulbransen	☐	☐	☐	☒	
Hon. Kara Hahn	☒	☐	☐	☐	
Michael Kaufman	☒	☐	☐	☐	
Daniel Pichney	☐	☐	☐	☒	
Gloria G. Russo	☒	☐	☐	☐	
Mary Ann Spencer	☐	☐	☐	☒	
Larry Swanson	☒	☐	☐	☐	
CAC REPRESENTATIVES	☐	☐	☐	☐	

Motion: Mr. Swanson
Second: Mr. Kaufman

Further information may be obtained by contacting:

Andrew P. Freleng, Chief Planner
Council on Environmental Quality
P.O. Box 6100
Hauppauge, New York 11788
Tel: (631) 853-5191