#### REQUEST FOR PROPOSAL FOR CONSTRUCTION MANAGEMENT SERVICES SOUTHERN LEHIGH SCHOOL DISTRICT

#### **TAB 7: Fee Proposal**

#### A. Submit a Lump Sum Fee Proposal in the following format:

**D'Huy Engineering Inc.** proposes to provide construction management services to Southern Lehigh School District based on the Project Scope of Services with a target occupancy of **August 2017** or a target occupancy of the **preferable August 2016** described in the Request for Proposal for Construction Management Services, for a fixed fee of:

#### <u>\$636,748.00</u><sup>1</sup> for target occupancy of <u>August 2017</u> OR <u>\$558,948.00</u><sup>1</sup> for target occupancy of <u>August 2016</u>

#### B. Provide a breakdown of the Lump sum Fee Proposal.

Fee Breakdown Summary	Occupancy of	Occupancy of	Occupancy of	Occupancy of
	August 2017	August 2017	August 2016	August 2016
	Hours	Cost	Hours	Cost
1.2 Pre-Design Phase	113	\$13,475.00	included	included
	115	\$13,475.00	below	below
1.3 Design & Construction Doc Phase	648	\$76,207.00	738	\$86,832.00
1.4 Bidding & Procurement Phase	89	\$9,960.00	89	\$9,960.00
1.5 Construction Phase	5,312	\$524,621.00 <sup>1</sup>	4,592	\$451,196.00 <sup>1</sup>
Reimbursables	na	\$12,485.00	na	\$10,960.00
Total Hours & Fee:	6,162	\$636,748.00 <sup>1</sup>	5,419	\$558,948.00 <sup>1</sup>

1. For your information, we have broken out the fee for the abatement/demolition/final site phase, if D'Huy does not need to provide its principal, senior project manager, or part-time site representatives for this phase, the project would result in a cost reduction of \$89,311.00.

# C. Provide a Fee Schedule of hourly rates for additional Services for each function that may be required on the project.

Principal-in-Charge:	\$165.00/hr.	Technical Specialist:	\$130.00/hr.
Senior Project Mgr:	\$120.00/hr.	BIM/CAD Specialist:	\$65.00/hr.
Senior Field Rep:	\$120.00/hr.	Administrative Assistant	\$50.00/hr.
Field Rep:	\$97.00/hr.	Arif Fazil	agreed to

#### **D.** Reimbursable Expenses

The fee above includes the following reimbursables:

- Telecommunications
- Postage
- Transportation

Arif Fazil agreed to a two year fee of \$547,548 during call on May 21, 2014

- Photocopying
- Office Supplies
- Misc Supplies

Per your request in Addendum No. 1, we are providing a breakdown of the following requested fees. The tasks for the breakout fees are all integrated into the total services and are difficult to identify separately so the following is an estimate that can be used for discussion if the need arises to only provide and pay for the noted tasks.

Fee Breakdown Summary	Occupancy of August 2017 Hours	Occupancy of August 2017 Cost	Occupancy of August 2016 Hours	Occupancy of August 2016 Cost
A. Architect & Engineer Selection Process	24	\$3,120.00	24	\$3,120.00
B. Value Engineering/ Review Phase <sup>2</sup>	150	\$16,982.00	150	\$16,982.00
C. Construction Management Phase <sup>3</sup>	5,312	\$524,621.00	4,592	\$451,196.00

2. Assume value engineering and drawing review only at three (3) periods. This does not include cost estimating and other services required.

3. Assume construction phase only.

For your convenience, we are providing the following summary of our approach to meeting the District's target occupancy of August 2016.

#### SOUTHERN LEHIGH'S PROPOSED SCHEDULE

Under the RFP baseline schedule for occupancy of the new elementary school by August 2017, activity durations have been identified by Southern Lehigh School District as follows: 6 months for pre-design, 12 months for design, 2 months for bidding and 29 months for the new construction and demolition of the existing school.

The District has also expressed interest in a compressed schedule, which would result in occupancy of the new building by August 2016. The following is D'Huy Engineering's Value Management Approach to pursuing this target goal:

- 1. D'Huy has successfully implemented numerous projects of similar size and scope within a design and approval timeline of approximately 10 months and a construction timeline of 15 months. Examples of this include 12 elementary schools for Bethlehem Area School District, Elementary School for Perkiomen Valley School District, and Paxinosa Elementary and March Elementary for Easton Area School District. We are also currently implementing a similar project for Hatboro-Horsham School District under similar timelines.
- 2. In order to vet out the critical path and requirements to meet the Southern Lehigh target date of occupancy by August 2016, we have prepared a side by side schedule comparison to show the feasibility of accomplishing this as well as defining the milestones that will be necessary to get the whole team to accomplish this goal. (*Refer to the end of this Tab for the schedule comparison.*)
- 3. D'Huy's approach is to make sure that the client is informed and in control of the project at all times. The schedule, budget, quality and final outcome are, of course, keys to a successful outcome. Therefore, our goal will be to educate, define and integrate all of these parameters for the entire team with the intention of meeting the District's priorities.
- 4. Our approach to meet the target date is to integrate the pre-design and design phase into a combined 10 month period as shown on the schedule. D'Huy has the experience and expertise in developing successful programs, concept plans, budgets, schedules and PlanCon documents in advance of design. We have a wealth of direct experience and success in doing this for our clients prior to architect selection and design. This process not only helps expedite the design, but establishes realistic expectations and parameters which assist in the architect selection process. We have accomplished remarkable things with the <u>District's support</u>, <u>direction and leadership</u>. This will be done with the following strategies and process.
  - 4.1 Once we are selected as the CM, we will immediately prepare a preliminary program of educational specifications for the District's review and approval so that there is a clear program of the room requirements and District criteria for the architect to design to.
  - 4.2 We will work immediately with the District's administration to assist in defining the District's educational specifications and preliminary system specifications.
  - 4.3 We will work immediately to develop a detailed site survey scope so that a site plan is completed showing all of the site features, contours, utilities, roads, stormwater and other infrastructure. This will provide a head start for the architects to design the building and site as well as allow for the land development approval process to be expedited since this is the longest lead item in the design and approval phase.
  - 4.4 We will develop a preliminary PlanCon A form and also a realistic project budget based on the preliminary information for the district to review and approve. This will be included in the parameters for the architect selection.
  - 4.5 All of the above information will be incorporated into the architect's RFPs requesting that they provide a concept/schematic design as part of their proposal that is specific to the district's

criteria. This will serve several purposes. First and foremost, it will allow for the district to review the architect's creativity and solution to assist in the selection of the architect. Thereafter, it will be the catalyst to expedite the design process.

Once the architect is hired, we will then immediately work on the schematic design as an integrated team. This will allow the design to be expedited which will allow for development of the site plan design and therefore jump start the land development approval process. This above process will provide the mechanism to keep us on track to complete the design and approvals per the expedited schedule.

5. Based on the approved schedule, we will then implement the construction schedule with specific contract milestones to manage the multi-prime coordination and project quality, and deliver the project on target.

The above strategy requires that the district expedite input, information, reviews, direction and approvals through the early stages of the design. We will, of course, assist and guide this process which offers the following advantages:

- Meeting the District's target occupancy date of August 2016.
- Reduced CM fee due to a shortened timeline.
- Reduced architect fee due to a clearly defined program and reduced schematic design phase.
- The District will be afforded the opportunity to review three concept/schematic designs from three firms to make a decision not only on the architect selection, but it also provides assurance that they are pursuing the best design/value and solution for the site.
- Reduced construction costs due to an earlier timeline since inflation is currently increasing construction costs.
- Opportunities for more economical financing because lending rates are currently low.

D'Huy Engineering is committed to supporting the District's goals and will work diligently to streamline the project for early occupancy. D'Huy will assist the District in achieving their goals by providing an exceptional team that provides remarkable results on time and on budget.

Southern Lehigh School District Hopewell Elementary School Preliminary Side-by-Side Project Schedule

			Bas	eline								
Pice     Performance     Solve     Normance       0     Boatcard Schware     Boatcard     Boatcard       0     Boatcard Schware     Boatcard     Boatcard       0     Boatcard Schware     Boatcard     Boatcard       0     Boatcard     Boatcard     Boatcard       0     Boatcard     Boatcard     Boatcard       0     Boatcard     Boatcard     Boatcard     Boatcard       0     Abaatcard     Boatcard     Boatcard     Boatcard       0 <t< th=""><th>ID</th><th>Work Description</th><th>Sche</th><th>edule</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	ID	Work Description	Sche	edule								
Normality AngeneNormality AngeneNormality Angene1Normality AngeneNormality Angene2Normality AngeneNormality Angene2Normality AngeneNormality Angene2Normality AngeneNormality Angene2Normality AngeneNormality Angene2Normality AngeneNormality Angene3Normality AngeneNormality Angene3Normality AngeneNormality Angene4Normality AngeneNormality Angene4Normality AngeneNormality Angene5Normality AngeneNormality Angene6Normality AngeneNormality Angene7Normality AngeneNormality Angene8Normality AngeneNormality Angene9Normality AngeneNormality Angene9Norm							IJJASOND	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	
Image: Second			05/30/14			07/29/14						
Note     Note     Note     Note       Note     Note     Note     Note       Note     Note     Note     Note     Note       Note     Note     Note     Note     Note     Note       Note     Note     Note     Note     Note     Note       Note     Note     Note     Note     Note     Note       Note     Note     Note     Note     Note     Note       Note     Note     Note     Note     Note     Note       Note     Note     Note     Note     Note     Note       Note     Note     Note     Note     Note     Note       Note     Note     Note     Note     Note     Note       Note     Note     Note     Note     Note     Note       Note     Note     Note     Note     Note     Note       Note     Note     Note     Note     Note     Note       Note     <	10	Selection of Construction Manager		05/30/14		05/00/11/						
Image: Angle						05/30/14						
10     1000     1000     1000       10     1000     1000     1000       10     1000     1000     1000     1000       10     1000     1000     1000     1000     1000       10     1000     1000     1000     1000     1000       10     1000     1000     1000     1000     1000       10     1000     1000     1000     1000     1000       10     1000     1000     1000     1000     1000       10     1000     1000     1000     1000     1000       10     1000     1000     1000     1000     1000     1000       10     1000     1000     1000     1000     1000     1000     1000     1000       10     10000     10000     10000     10000     10000     10000     10000     10000     10000     10000     10000     10000     10000     10000     10000     10000     100000	20	Educational Program Requirements, Prelim Room Schedule	06/02/14	06/30/14		00/40/44	-					
Image:     Image: <th image:<<="" th=""><th>20</th><th>Cite Sumay Draliminary Cootesh Investigation</th><th>00/15/14</th><th>06/20/14</th><th></th><th>06/13/14</th><th>•</th><th></th><th></th><th></th><th></th></th>	<th>20</th> <th>Cite Sumay Draliminary Cootesh Investigation</th> <th>00/15/14</th> <th>06/20/14</th> <th></th> <th>06/13/14</th> <th>•</th> <th></th> <th></th> <th></th> <th></th>	20	Cite Sumay Draliminary Cootesh Investigation	00/15/14	06/20/14		06/13/14	•				
	30	Site Survey, Preiminary Geotech investigation	06/15/14	06/30/14		06/12/14	<b>.</b>					
Image: Second	40	Property Concept Plana, Concept hudget, concept schedule	07/01/14	09/01/14	-	06/13/14	•					
Descriptions     Source Services can Board Descriptions     Source Services       de     Source Services can Board Descriptions     Source Services     Source Services       de     Source Services can Board Descriptions     Source Services     Source Services       de     Source Services     Source Services     Source Services     Source Services       de     Source Services     Source Services     Source Services     Source Services       de     Source Services     Source Services     Source Services     Source Services       de     Source Services     Source Services     Source Services     Source Services       de     Source Services     Source Services     Source Services     Source Services       de     Source Services     Source Services     Source Services     Source Services       de     Source Services     Source Services     Source Services     Source Services     Source Services       de     Source Services     Source Services     Source Services     Source Services     Source Services     Source Services       de     Source Service Source Source Source Source Source Source Source Source Sourc	40	Frepare Concept Frans, Concept budget, concept schedule	07/01/14	06/01/14		06/20/14						
Image     Image     Image     Image     Image       0     Amount shows are Badd document     0 </th <th>50</th> <th>Issue and Receive REP for Architect and Include Concent Plans</th> <th>08/15/14</th> <th>00/15/14</th> <th></th> <th>00/20/14</th> <th>• •</th> <th></th> <th></th> <th></th> <th></th>	50	Issue and Receive REP for Architect and Include Concent Plans	08/15/14	00/15/14		00/20/14	• •					
v     V     V     V     V       V     V     V     V     V     V       V     V     V     V     V     V     V       V	30		00/13/14	09/13/14		07/14/14						
Image: Section	60	Architect Interviews and Reard Discussion	00/15/14	10/15/14	-	07714/14						
No. Medias Subscion     101311     102401       Schematic Design     102401     Norther       Schematic Design     101401     Norther       Obasity Taxon Norther Subscion     101401     Norther       Coloradia Taxon Norther Subscience	00		03/13/14	10/13/14	-	07/25/14						
Image: Description     Oracing and Watch	70	Architect Selection	10/15/14	11/26/14		51725/14						
Schematic Design     Standard     Standard     Standard       2     Devide Transmitor Of Meeting     12014     0       3     Schematic Schematic Of Meeting     12014     0       10     Schematic Schemati	- 0		10/10/14	11/20/14		07/29/14						
Note Service Note Service Servi	Sc	pematic Design	12/01/14	02/27/15			-					
mathem     mathem     mathem       10     immediates     immediates       20     contenting Contentings     immediates       20     contenting Contentings     immediates       20     contenting Contentings     immediates       20     contenting Contenting     immediates       20     immediates </td <th></th> <td></td> <td>12/01/14</td> <td></td> <td></td> <td>00/00/14</td> <td></td> <td></td> <td></td> <td></td> <td></td>			12/01/14			00/00/14						
100     1000000000000000000000000000000000000	100			12/01/14		08/04/14						
Image: Market develop wolf exerting in Section 4     Month 4       12     Generation Investigation     120114       13     Athetet develop wolf expect and finate schematic graving.     120114       14     Month 4     1202114       15     Month 4     1202114	110	Identify LEED and Value Engineering Opportunities	12/01/14	12/10/14		30,04,14						
122     Sectivical investigation     120114     12014       120     Antheat develops undire quees, and finalse schematis drawings     120144     001641       120     Antheat develops undire quees, and finalse schematis drawings     120144     001641       120     Develop input develops undire quees, and finalse schematis drawings     120141     001641       120     Develop input develops undire quees, and finalse schematis drawings     120141     001641       120     Develop input develops undire quees, and finalse schematis drawings     120141     001641       120     Develop input develops undire quees, and finalse schematis drawings     120141     120141       120     Develop input develops undire quees, and finalse schematis drawings     120141     120141       120     Develop input develops undire quees, and finalse schematis drawings     120141     120141       120     Develop input develops undire quees, and finalse schematis drawings     120141     120141       120     Develop input develops undire quees, and finalse schematis drawings     120141     120141       120     Develop input develops undire quees, and finalse schematis drawings     12014114141     120141 <t< td=""><th>110</th><td></td><td>12/01/14</td><td>12/10/14</td><td></td><td>08/15/14</td><td></td><td></td><td></td><td></td><td></td></t<>	110		12/01/14	12/10/14		08/15/14						
Image     Image     Image     Image       30     Anthrited testing schemalic drawing     100     000044	120	Geotechnical Investigation	12/01/14	12/10/14	-	00/13/14						
Abbiland devolop outline appool and traitable storematic drawings   201111   01112   000011   000011     140   Owner incut and foodback on Soltmantic Design   0111211   000011   000011     150   Okto traviewe Schematic Design & Prepare Sone Budgett   011121   000011   000011     150   Okto traviewe Schematic Design & Prepare Sone Budgett   011211   01112   01111     160   Prepare Marcon A&B and Board Approval   011   0100014   0100014     160   Prepare Marcon A&B and Board Approval   020015   020014   0100014     170   Begin Conservation Detrict. Utility and Land Development Approval   020015   020014   101014     170   Begin Conservation Detrict. Utility and Land Development Approval   020015   020014   101014     170   Bedin Conservation Detrict. Utility and Land Development Approval   020015   020014   101014     170   Bedin Conservation Detrict. Utility and Land Development Approval   020015   020014   101014     170   Bedin Conservation Detrict. Utility and Land Development Approval   020125   020141   102014     170   Bedin Edvelopment Approval   021125	120		12/01/14	12/10/14		08/15/14						
image     image     image     image       140     Demon input and fundation Rochumatic Design     01/11/5     02/01/6       140     All to moles Schematic Design & Prepare 20/6 Budget     02/01/6     04/02/1       150     All to moles Schematic Design & Prepare 20/6 Budget     02/01/6     04/01/6       150     Prepare Plancon AbB and Beard Approval     02/01/6     05/01/6       150     Prepare Plancon AbB and Beard Approval     02/02/7     05/01/6       170     Begin Contensition District, Using and Land Development Approval     05/02/7     0       170     Begin Contensition District, Using and Land Development Approval     05/02/7     0       170     Begin Contensition District, Using and Land Development Approval     05/02/7     0       170     Begin Contensition District, Using and Land Development Approval     05/02/7     0       170     Begin Contensition District, Using and Land Development Approval     05/02/7     0       170     Begin Contensition District, Using and Elevis Basing Approval     05/02/7     0       170     Begin Contensition District, Using and Elevis Basing Approval     05/02/15     0	130	Architect develop outline specs and finalize schematic drawings	12/01/14	01/15/15		00/13/14						
140     Darw input and iterabask on Schumatic Design A     01/151     00/151       10     DM to review Schematic Design A. Prepare 30% Budget     020/11     020/15     1       10     DM to review Schematic Design A. Prepare 30% Budget     020/11     020/15     1       10     Prepare Flamon A&B and Soard Approval     020/11     020/15     1       10     Prepare Flamon A&B and Soard Approval     020/15     020/15     1       110     Design Development     020/15     080/14     080/14       110     Bergin Concension District Julity and Land Development Approval     030/25     080/21     080/21       110     Incontrol Line Schuld Sch	100		12/01/14	01/10/10		08/29/14		•				
image     image     image     image       150     CM to review Chainmantic Design & Prepare Rancom AdB and Approval     020115     0802714       160     Pagere Rancom AdB and Approval     022015     0802714     0802714       160     Pagere Rancom AdB and Approval     022017     0     0       160     Pagere Rancom AdB and Approval     022017     0     0       170     Bogn Connervation District, Unity and Land Development Approvali     0302075     0     0       170     Bogn Connervation District, Unity and Land Development Approvali     0302075     0     0       180     Indivity LEED and Value Engineering Opportunities     0302175     0     0       190     BM Coordination and Procedure Meeting     0     004574     0       191     BM Coordination and Procedure Meeting     0     041574     0       190     BM Coordination and Procedure Meeting     051175     0     0     1124174     120574       191     BM Coordination and Procedure Meeting     0511575     0     0     1124174     120574       192	140	Owner input and feedback on Schematic Design	01/15/15	02/01/15	-	00/23/14						
150   OM to review Schematic Design & Prepare S0% Budget   020119   02114   0     1   040201   022010   022110   02111     10   Prepare Plancon A&B and Board Approval   020210   022110   030014     10   Prepare Plancon A&B and Board Approval   020210   020211   030014     117   Begin Conservation District, Utility and Land Development Approval   0300215   040014   1030116     10   Identify LEED and Value Engineering Coportunities   030215   040014   103114     101   Identify LEED and Value Engineering Coportunities   031215   04114   121114     101   Identify LEED and Value Engineering Coportunities   03115   04114   121114     102   American And Procedure Meeting   03115   04114   121114     103   Information and Procedure Meeting   03115   041141   121114     103   Information and Procedure Meeting   030115   041141   121114     103   Information and Procedure Meeting   030115   041141   121114     103   Information and Procedure Meeting   000115   0111241   1201	140	Owner hiput and recuback on Schematic Design	01/13/13	02/01/13		00/05/14		-				
Image Plance A&B and Board Approval     09:0214     09:0214       160     Prepare Plance A&B and Board Approval     02:015     00:0214       Design Development     03:0215     00:0214     00:0214       170     Bogin Conservation District, Utility and Land Development Approval     03:0215     00:00:14       170     Bogin Conservation District, Utility and Land Development Approval     03:0215     00:00:14       170     Heartify LEED and Value Engineering Opportunities     03:0215     00:00:14       170     Bogin Conservation District, Utility and Land Development 4: 20:00:14     03:00:16     00:00:14       170     Heartify LEED and Value Engineering Opportunities     03:02:15     00:00:14       170     Bogin Conservation District, Utility and Land Development 4: 20:00:14     00:00:14     00:00:14       170     Bogin Conservation District, Utility and Land Development 4: 20:00:14     00:00:15     00:00:14       170     Bogin Conservation District, Utility and Land Development 4: 20:00:14     00:00:15     00:00:15       170     Conservation District, Utility and Land Development 4: 20:00:14     10:20:14     10:20:14       170     Development 4: 20:00:14     10:20:14<	150	CM to review Schematic Design & Prenare 30% Budget	02/01/15	02/15/15		03/03/14	-					
160     Prepare Plancon A&B and Board Approval     02/2010     02/2014       Obsign Onservation District, Unility and Land Development Approvals     03/02/19     06/0014     12/08/14       170     Begin Conservation District, Unility and Land Development Approvals     03/02/19     06/0014     10/08/14       170     Begin Conservation District, Unility and Land Development Approvals     03/02/15     06/0014     10/08/14       170     Identify LEED and Value Engineering Opportunities     03/02/15     00/08/14     10/08/14       170     Buff Condination and Procedure Meeting     03/02/15     00/08/14     10/08/14       170     Buff Condination and Procedure Meeting     03/02/15     03/02/15     0       170     Multict Lo complete Gol% design development drawing/spece     03/12/15     0     0       170     Moreir input and feedback on 60% documents     06/01/15     0     1     1       170     To eview Design Development Approval     0     1     1/12/14     1/20/14       170     To eview Design Developments Approval     0     1     1/20/14     1/20/14       170     Multict Approval </td <th>150</th> <td>ow to review ochematic besign &amp; riepare 50% budget</td> <td>02/01/13</td> <td>02/13/13</td> <td></td> <td>09/05/14</td> <td></td> <td>•</td> <td></td> <td></td> <td></td>	150	ow to review ochematic besign & riepare 50% budget	02/01/13	02/13/13		09/05/14		•				
Image: Non-Section District, Utility and Land Development Approvals     0430214     0431216     0431216     0431216     0431216     0431216     0431216     0431214     0431514     0431214     0431514     0431214     0431514     043114     0431514     043114     0431514     043114     0431514     0431214     0431514     043114	160	Prenare Plancon A&B and Board Approval	02/20/15	02/27/15		03/03/14	-					
Design Development     050/15     04/00/15     10/00/15       170<	100		02/20/13	02/27/13	-	09/08/14		•				
170   Begin Conservation District, Utility and Land Development Approvals   03/02/15   08/02/15     180   dentify LEED and Value Engineering Opportunties   03/02/15   08/02/15     180   dentify LEED and Value Engineering Opportunties   03/02/15   08/02/15     190   BMC Coordination and Procedure Meeting   09/02/15   0     190   DArchitect to complete 60% design development drawings/specs   03/12/15   0   0     100   Owner input and feedback on 60% documents   06/01/15   06/15/15   0   1     120   Mato serview Design Development & Prepare 60% budget   06/15/15   05/01/15   1   1     120   Prepare Plancon D&E for Board Approval   0   05/01/15   1   1   1     120   Hentify LE	De	sign Development	03/02/15	06/30/15			•					
Image: Market						12/00/14						
180     Identify LEED and Value Engineering Opportunities     03/02/1     03/02/1     0       190     BM Coordination and Procedure Meeting     03/02/1     0     09/01/1       190     BM Coordination and Procedure Meeting     03/02/1     0     09/15/1       100     Architect to complete 60% design development drawings/specs     03/12/15     0     09/15/14       200     Architect to complete 60% design development drawings/specs     03/12/15     0     0       210     Owner input and feedback on 60% documents     06/01/15     0     0       210     Ovner input and feedback on 60% documents     06/15/15     0     0       220     Ch review Design Development & Prepare 60% budget     06/15/15     0     11/24/14     12/05/14       220     Prepare Plancon D&E for Board Approval     06/30/15     0     11/24/14     12/08/14       230     Prepare Plancon D&E for Board Approval     0/63/01/5     12/08/14     12/08/14       240     Identify LEED and Value Engineering Opportunities     07/01/16     12/08/14     12/08/14			00,02,10	00,02,10		10/31/14						
Image: Normal System     Image: Normal System     Normal System       10     BMM Coordination and Procedure Meeting     03/12/15     Image: Normal System       11     BMM Coordination and Procedure Meeting     03/12/15     Image: Normal System       11     Architect to complete 60% design development drawings/specs     03/12/15     Image: Normal System       12     Architect to complete 60% design development drawings/specs     03/12/15     Image: Normal System       13     Architect to complete 60% design development drawings/specs     03/12/15     06/11/15     Image: Normal System       14     Architect to complete 60% design development drawings/specs     06/11/15     Image: Normal System     06/11/15     Image: Normal System       120     Owner input and feedback on 60% documents     06/01/15     Image: Normal System     Image: Normal System     Image: Normal System       120     Okn review Design Development & Prepare 60% budget     06/15/15     Image: Normal System     <	180	Identify LEED and Value Engineering Opportunities	03/02/15	03/12/15		10/01/11						
100   BIM Coordination and Procedure Meeting   0   0/3/12/5   0     100   Architect to complete 60% design development drawings/specs   0/3/12/5   0/6/15/1     101   Ormer input and feedback on 60% documents   0/6/15/1   0/15/14     110   Ormer input and feedback on 60% documents   0/6/15/15   0     1210   Ormer input and feedback on 60% documents   0/6/15/15   0     1210   Ormer input and feedback on 60% documents   0/6/15/15   0     1210   Ormer input and feedback on 60% budget   0/6/15/15   0/12/14     1200   Prepare Plancon D&E for Board Approval   0/6/15/15   0/12/14     1200   Prepare Plancon D&E for Board Approval   0   0/12/14     1200   Interview Design Dependentities   07/01/15   12/08/14     1200   Interview Design Dependentities   07/01/15   1     1200   Interview Design Dependentities   07/0						09/15/14		-				
Image: Normal System     Image: Normal System     Image: Normal System     Normal System       200     Architect to complete 60% design development drawings/specs     03/12/15     06/01/15     Image: Normal System       210     Owner input and feedback on 60% documents     06/01/15     Image: Normal System     09/15/14     11/21/14       210     Owner input and feedback on 60% documents     06/15/15     Image: Normal System     11/22/14     12/05/14       220     CM to review Design Development & Prepare 60% budget     06/15/15     Image: Normal System     Normal System       230     Prepare Plancon D&E for Board Approval     0     11/22/14     12/05/14       240     Identify LEED and Value Engineering Opportunities     07/01/15     12/08/14     3/11/15       240     Identify LEED and Value Engineering Opportunities     07/01/15     12/08/14     12/08/14	190	BIM Coordination and Procedure Meeting		03/12/15			-					
200   Architect to complete 60% design development drawings/specs   03/12/15   0   9     210   Owner input and feedback on 60% documents   06/01/15   06/11/15   11/21/14     210   Owner input and feedback on 60% documents   06/01/15   06/11/15   11/21/14     211   Owner input and feedback on 60% documents   06/01/15   06/11/15   11/21/14     210   Owner input and feedback on 60% documents   06/01/15   06/11/15   12/21/14     210   Owner on postelopment & Prepare 60% budget   06/11/15   06/30/15   12/21/14     210   Prepare Plancon D&E for Board Approval   06   0   12/21/14     210   Prepare Plancon D&E for Board Approval   07   12/81/14   12/81/14     210   Identify LEED and Value Engineering Opportunities   07/01/15   12/81/14   32/81/15     210   Identify LEED and Value Engineering Opportunities   07/01/15   12/20/14   12/15/14						09/15/14		-				
Image: Constraint of the constrated of the constraint of the constraint of the constraint of the	200	Architect to complete 60% design development drawings/specs	03/12/15	06/01/15			-					
210Owner input and feedback on 60% documents06/01/1506/01/1506/15/150111 <t< td=""><th></th><td></td><td></td><td>-</td><td>-</td><td>11/21/14</td><td></td><td></td><td></td><td></td><td></td></t<>				-	-	11/21/14						
Image: space s	210	Owner input and feedback on 60% documents	06/01/15	-	-							
220   CM to review Design Development & Prepare 60% budget   06/15/15   06/30/15   0     240   Frepare Plancon D&E for Board Approval   1   12/24/14   12/08/14     250   Frepare Plancon D&E for Board Approval   0   0   12/08/14     260   Image: Comparison of the plance of	<u> </u>				-	12/05/14						
Image: section of the section of th	220	CM to review Design Development & Prepare 60% budget	06/15/15	06/30/15								
230Prepare Plancon D&E for Board ApprovalGG/G/J015GG7777777770110511/301512/8/143/31/15740Identify LEED and Value Engineering Opportunities07/01/507/01/5G71000000000000000000000000000000000000	<u> </u>					12/05/14						
Image: section blocumentsImage: section blocumentsImage: section blocumentsImage: section blocuments240Identify LEED and Value Engineering Opportunities07/01/512/08/143/31/15Image: section blocuments07/01/507/01/5Image: section blocumentsImage: section blocuments07/01/512/08/1412/15/14	230	Prepare Plancon D&E for Board Approval		06/30/15	-							
Construction Documents     07/01/5     11/30/5     12/8/14     3/31/15       240     Identify LEED and Value Engineering Opportunities     07/01/5     07/01/5     0       2     Identify LEED and Value Engineering Opportunities     07/01/5     12/08/14     12/08/14	-					12/08/14	<b>—</b>					
240   Identify LEED and Value Engineering Opportunities   07/01/5   07/01/5   07/01/5   07/01/5     A   A   A   12/08/14   12/08/14   12/15/14	Co	nstruction Documents	07/01/15	11/30/15	12/8/14		-					
12/08/14     12/15/14												
						12/15/14						
	250	Architect 90% drawings	07/10/15	11/01/15								
					-	03/15/15						
				-					•	•	• •	



Southern Lehigh School District Hopewell Elementary School Preliminary Side-by-Side Project Schedule

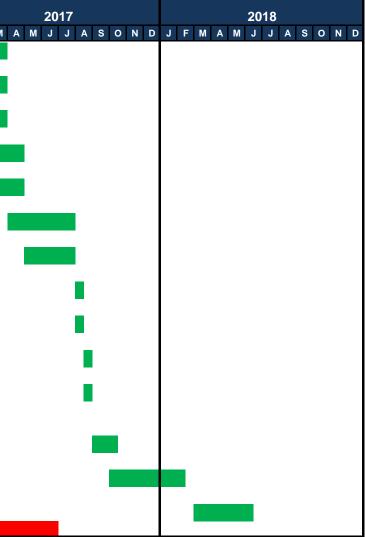
			seline							
ID	Work Description		edule Finish		Schedule Finish	2014 m j j a s o n d	2015 J F M A M J J A S O N D	2016 J F M A M J J A S O N D	2017 J F M A M J J A S O N D	2018 J F M A M J J A S O N D
260	BIM Coordination and Procedure Meeting		07/10/15							
					12/08/14		_			
270	Construction Phasing Plan Development	09/01/15	10/01/15			_				
				12/15/14	01/01/15		<b>–</b>			
280	Submit drawings to Township for code review	10/15/15	11/15/15							
				01/01/15	02/02/15		_			
290	Develop all non-technical specs, General Conditions, etc.	10/15/15	11/15/15							
				02/02/15	02/13/15					
300	Issue RFP for Construction Testing, TAB, Waste Mgmt.		11/15/15							
0.1.0		44/40/45	44/45/45	-	03/15/15		•			
310	District solicitor to review/comment on non-technical specs	11/10/15	11/15/15		00/07/45					
220	200/ Cast Undets & Casatzustikility raviou	11/01/15	11/15/15	02/16/15	02/27/15		•			
320	90% Cost Update & Constructibility review	11/01/15		03/16/15	02/22/45					
220	Owner review and final drawing/cnee completion	11/01/15	11/15/15		03/23/15					
330	Owner review and final drawing/spec completion	11/01/15	11/15/15	03/16/15	03/21/15					
340	Prepare Plancon F		11/30/15		03/31/15					
540			11/30/15		03/31/15					
Bid	ling Phase	12/01/15	01/27/16	04/01/15			•			
	Advertise Project for 3 consecutive weeks		12/15/15		00/10/10					
000		12/01/10	12/10/10	04/01/15	04/15/15					
360	Mandatory Pre-Bid Conference		12/17/15		0 11 10/10		-			
000			12/11/10		04/16/15					
370	Receive Bids		01/21/16				-			
					05/07/15			-		
380	Review Bids with Facilities Committee		01/25/16				-			
					05/11/15			-		
390	Award construction testing/TAB/WM/Haz Mat contracts		01/27/16				-			
					05/11/15			-		
400	Bid Award, PlanCon F (Part C) and PlanCon G at Board Meeting		01/27/16				-			
					05/11/15			-		
Cor	struction Phase	02/01/16	08/31/17	05/15/15	08/31/16		_			
410	Preliminary Construction Prep Work	02/15/16	02/28/16							
				05/15/15	06/15/15		📕			
420	Sitework and excavation	03/01/16	05/01/16				I			
				06/15/15	08/15/15		💻			
430	Footings and Foundations	05/01/16	06/01/16				I <u> </u>			
				07/01/15	08/01/15		💻			
440	Structural Steel Erection	06/01/16	07/15/16				I _			
			-	09/15/15	10/15/15		📕			
450	Exterior Framing and Sheathing	07/01/16	09/01/16				I			
				10/01/15	11/01/15		💻			
460	Exterior Veneer	09/01/16	11/01/16		10/1-11		I			
L		00/07/11	40/07/10		12/15/15		–			
470	Roofing	09/01/16	10/01/16		40/45/45		I			
					12/15/15		– – – – – – – – – – – – – – – – – – –	-		
480	Permanent Enclosure Milestone		11/01/16		04/04/40			-		
400		11/04/10	01/04/47		01/01/16			•		
490	Interior walls construction	11/01/16	01/01/17		03/04/46					
				01/01/16	03/01/16		I		l	I I



Southern Lehigh School District Hopewell Elementary School Preliminary Side-by-Side Project Schedule

ID	D Work Description		eline edule	Target S	Schedule	2014	201	5	2016	;	
	Work Description		Finish			M J J A S O N D					JFM
500	HVAC Equipment, Ductwork, Piping	10/01/16	04/01/17								
				12/15/15	05/15/16						
510	Plumbing piping, fixtures and equipment	10/01/16	04/01/17								
				12/15/15	05/15/16						
520	Electrical systems installation	10/01/16	04/01/17					_			
				12/15/16	05/15/16						
530	Ceilings and Interior Paint	03/01/17	05/01/17								
				04/15/16	06/15/16						
540	Floor Finishes	03/01/17	05/01/17								
				04/15/16	06/15/16						
550	Final MEP devices, start-up, TAB, commissioning	04/01/17	08/01/17							_	
				05/01/16	08/01/16						
560	Finish Sitework/Seeding	05/01/17	08/01/17							-	
				05/01/16	08/01/16						
570	Building Completion and Occupancy Permit		08/01/17							-	
					08/01/16						
580	Building Move	08/01/17	08/15/17							-	
				08/01/16	08/15/16						
590	First Day for Teachers		08/25/17							-	
					08/25/17						
600	First Day for Students		08/31/17								
					08/31/16						
	nolition and Final Site Work	09/01/17		09/01/16	06/29/17						
610	Abatement	09/01/17	10/01/17	00/04/40	40/04/40					_	
000		40/04/47	00/04/40	09/01/16	10/01/16						
620	Existing Building Demolition	10/01/17	02/01/18	10/01/40	02/01/17						
620	Final Site Completion	03/01/18	06/04/40	10/01/16	02/01/17						
630	Final Site Completion	03/01/18	06/01/18	03/01/17	06/29/17						
				03/01/17	00/29/17						





### Southern Lehigh School District Hopewell Elementary School

## Preliminary Concept Budget

CONSTRUCTION COSTS								
	Size, sq. ft.:	TBD						
Category	\$/sq. ft.	Cost						
General Requirements		20						
Concrete		PV						
Masonry								
Metals								
Wood & Plastics								
Thermal & Moist								
Openings								
Finishes								
Specialties								
Equipment								
Furnishings								
Conveying								
HVAC								
Electrical								
Plumbing								
Construction Subtotal								
Building Demolition								
Sitework								

SOFT	COSTS
Construction Subtotal	TBD
Architect Fee	
CM Fee	
Site and Civil Fees	
Haz Matls Designer	
Geotechnical	
Phasing	
Phone & Technology	
Furniture & Equipment AHJ Permits & Approvals	
AHJ Inspections	
Abatement	
Construction Testing	
Waste Management	
TAB, LEED Commish	
Builders Risk Insurance	
Total Soft Costs	
Total Cost Subtotal	
Contingency (10%)	
Inflation Contingency (3%)	$\mathbf{N}$
Total Budget	V

**Total Construction Cost** 



#### HOPEWELL ELEMENTARY SCHOOL SOUTHERN LEHIGH SCHOOL DISTRICT PRELIMINARY PROGRAM SPACES AND CAPACITY (FOR BUDGETING) Draft by D'Huy Engineering, Inc. APRIL 2014

		well Elem School Iew Buildi		SLSD Capacity	Total FTE Capacity
Name of Space	Unit Area Sq. Ft.	Proposed Bldg No. of Units	Total Area Sq. Ft.		
GENERAL EDUCATION					
Kindergarten Classroom (AM & PM)					
Kindergarten Classroom (AM or PM)	-				
First Grade Classroom					
Second Grade Classroom	-				
Third Grade Classroom					· · · · · · · · · · · · · · · · · · ·
SPECIAL EDUCATION					
Special Education Classrooms					
SUPPORT PROGRAMS					
Learning Support					
Math Support					
Speech Support					
OT/PT Support					
ESL Support					
Gifted Support		-			
Reading Support			· · · · ·		
SHARED INSTRUCTIONAL AREAS					
Media Center					
Media Office / Work Room					
Media Storage					
Media Computer Lab / Classroom					
Art Classroom					
Art Storage					
Music Classroom					
Music Storage Instructional Lab -Brain & Science (Tech Smart)					
PHYSICAL EDUCATION and M.P. ROOM					
Stage / Platform - Band					
Gymnasium / M.P. Room					
P.E. Office					
Gym Storage	<u></u>				
Student Dining (included in M.P. Room)					
Table and Chair Storage					
BUILDING ADMINISTRATION					
Administration / Guidance					
Waiting		NV			
Reception / Secretary					
Work Room					
Principal Office					

1

#### HOPEWELL ELEMENTARY SCHOOL SOUTHERN LEHIGH SCHOOL DISTRICT PRELIMINARY PROGRAM SPACES AND CAPACITY (FOR BUDGETING) Draft by D'Huy Engineering, Inc. APRIL 2014

		well Elem School ew Buildi	ng	SLSD Capacity	Total FTE Capacity
Name of Space	Unit Area Sq. Ft.	Proposed Bldg No. of Units	Total Area Sq. Ft.		
Office					
Guidance	1	0			
Counselor Office		D			
Conference Room	U				
Storage / Records					
Toilet					
Circulation					
Health Suite					
Waiting / First Aid			_		
Nurse's Office					
Storage / Records					
Circulation					
BUILDING SUPPORT					· · · · · · · · · · · · · · · · · · ·
Kitchen Areas					·
Serving					
Kitchen Storage	_				
Dishwash					
Office	-				
Locker Room	<u> </u>				
Toilet					·
Faculty Dining Room					
Faculty Planning					
Mechanical Room					
Receiving / Storage					
Work Area / Office					
M.D.F. / Server Room					
I.D.F. Room					
Janitors Closet					
SUB TOTAL Scheduled Area		V.			
Grossing factor					· · · · ·
Total SF					

1

---

ACORD	
Ű	

## **CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY) 4 / 25 / 2014

_							4/23	/2014	
C B	HIS CERTIFICATE IS ISSUED AS A ERTIFICATE DOES NOT AFFIRMAT ELOW. THIS CERTIFICATE OF INS EPRESENTATIVE OR PRODUCER, A	IVELY ( URANC	OR NEGATIVELY AMEND, E DOES NOT CONSTITUT	EXTEND OR ALT	ER THE CO	VERAGE AFFORDED B	Y THE	<b>POLICIES</b>	
tł	IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subj the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights								
-	ertificate holder in lieu of such endors	sement(	s).	CONTACT Timoth	y Esler				
1	nner & Esler			PHONE (A/C. No. Ext): (201		FAX (A/C, No): (	201)26	2-7810	
1	7 Kinderkamack Road			ADDRESS:	/202 1200	(A/C, No): \	201)20	2-7010	
	0. Box 60							NAIC #	
or	adell NJ 07	649-0	060	INSURER A RLI I				13056	
INSU	JRED					urance Company		19437	
ים	Huy Engineering, Inc.			INSURER C :					
On	e East Broad Street			INSURER D :					
	ite 310			INSURER E :					
	thlehem PA 18			INSURER F :	_				
_			TENUMBER:Master 14			REVISION NUMBER:			
	HIS IS TO CERTIFY THAT THE POLICIES NDICATED. NOTWITHSTANDING ANY RE ERTIFICATE MAY BE ISSUED OR MAY XCLUSIONS AND CONDITIONS OF SUCH	EQUIREM PERTAIN POLICIE	IENT, TERM OR CONDITION I, THE INSURANCE AFFORD IS. LIMITS SHOWN MAY HAVE	OF ANY CONTRAC DED BY THE POLICI E BEEN REDUCED B	T OR OTHER ES DESCRIBE Y PAID CLAIMS	DOCUMENT WITH RESPECT	ст то	WHICH THIS	
INSR LTR	TYPE OF INSURANCE	ADDL SUE	BR D POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	;		
	GENERAL LIABILITY					EACH OCCURRENCE	\$	1,000,000	
	X COMMERCIAL GENERAL LIABILITY			F (1 (201 A	F /1 /001 F	PREMISES (Ea occurrence)	\$	1,000,000	
A	CLAIMS-MADE X OCCUR		PSB0001529	5/1/2014	5/1/2015		\$	10,000	
							\$	1,000,000	
							\$ \$	2,000,000	
	GEN'L AGGREGATE LIMIT APPLIES PER:						<u>ծ</u> \$	2,000,000	
	X POLICY JECT LOC   AUTOMOBILE LIABILITY   X ANY AUTO					COMBINED SINGLE LIMIT (Ea accident)	\$\$	1,000,000	
A	ALL OWNED SCHEDULED AUTOS		PSA0001268	5/1/2014	5/1/2015	,	\$		
	HIRED AUTOS					PROPERTY DAMAGE (Per accident)	\$		
							\$		
	X UMBRELLA LIAB X OCCUR					EACH OCCURRENCE	\$	5,000,000	
A	EXCESS LIAB CLAIMS-MADE					AGGREGATE	\$	5,000,000	
			PSE0001345	5/1/2014	5/1/2015		\$		
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N					X WC STATU- TORY LIMITS OTH- ER			
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	N/A	Datio 0.0.047.2	5/1/2014	5/1/2015		\$	1,000,000	
	(Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		PSW0002473	5/1/2014	5/1/2015	E.L. DISEASE - EA EMPLOYEE		1,000,000	
<u> </u>				1 /11 /001 4	1 /11 /0015	E.L. DISEASE - POLICY LIMIT		1,000,000	
В	Professional Liability		021456751	1/11/2014	1/11/2015	Per Claim Limit Annual Aggregate		\$3,000,000 \$3,000,000	
	CRIPTION OF OPERATIONS/LOCATIONS/VEHIC ditional Insured - Certific					e required by writ	ten	contract.	
CE	RTIFICATE HOLDER			CANCELLATION					
	PROOF OF COVERAGE			N DATE THI ITH THE POLIC	ESCRIBED POLICIES BE CA EREOF, NOTICE WILL B CY PROVISIONS.				
				Timothy Esler		frank P.	E	0	

© 1988-2010 ACORD CORPORATION. All rights reserved.