

**DESIGNING ENVIRONMENTS**2201 North Front Street, Suite 200 • Harrisburg, PA 17110  
717.635.2835 • www.kandwengineers.com**PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS**CLIENT: Shippensburg Area School District  
PROJECT NAME: Shippensburg High School Concept 1  
PROJECT NO.: 2192.002PREPARER: EFM  
DATE: 11/15/2021  
REVISED: 02/24/2022

<u>E&amp;S CONTROLS</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
E&S Lump Sum	1	L.S.	x \$45,000.00 =	\$45,000.00
<b>E&amp;S CONTROLS TOTAL</b>				<b>\$45,000.00</b>
<u>SITE DEMOLITION</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Mill & Overlay Existing Track	6465	S.Y.	x \$12.00 =	\$77,580.00
Remove Fencing	2340	L.F.	x \$8.00 =	\$18,720.00
<b>SITE DEMOLITION TOTAL</b>				<b>\$96,300.00</b>
<u>EARTHWORK AND EXCAVATION</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Earthwork Lump Sum	1	L.S.	x \$200,000.00 =	\$200,000.00
<b>EARTHWORK AND EXCAVATION TOTAL</b>				<b>\$200,000.00</b>
<u>PAVEMENT AND ASSOC. IMPROVEMENTS</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Standard Duty Paving (2", 4", 6")	14575	S.Y.	x \$36.00 =	\$524,700.00
Compacted Aggregate Base - 2A, 6" Depth	14575	S.Y.	x \$3.00 =	\$43,725.00
Concrete Sidewalk (5" Depth)	34245	S.F.	x \$6.00 =	\$205,470.00
Vertical Curb w/ grading and backfill	4235	L.F.	x \$16.00 =	\$67,760.00
Pavement Markings (4" Wide Acrylic)	7600	L.F.	x \$0.30 =	\$2,280.00
<b>PAVEMENT AND ASSOCIATED IMPROVEMENTS TOTAL</b>				<b>\$843,935.00</b>
<u>WATER DISTRIBUTION</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Water Distribution Lump Sum	1	L.S.	x \$30,000.00 =	\$30,000.00
<b>WATER DISTRIBUTION TOTAL</b>				<b>\$30,000.00</b>
<u>SANITARY SEWER</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Sanitary Sewer Lump Sum	1	L.S.	x \$40,000.00 =	\$40,000.00
<b>SANITARY SEWER TOTAL</b>				<b>\$40,000.00</b>
<u>STORMWATER MANAGEMENT</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Stormwater Lump Sum	1	L.S.	x \$250,000.00 =	\$250,000.00
<b>STORMWATER MANAGEMENT TOTAL</b>				<b>\$250,000.00</b>
<u>MISCELLANEOUS SITE IMPROVEMENTS</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Chainlink Fence (8' High)	2210	L.F.	x \$50.00 =	\$110,500.00
<b>MISCELLANEOUS SITE IMPROVEMENTS TOTAL</b>				<b>\$110,500.00</b>
<u>LANDSCAPING</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Landscaping Lump Sum	1	L.S.	x \$20,000.00 =	\$20,000.00
<b>LANDSCAPING TOTAL</b>				<b>\$20,000.00</b>
<u>BUILDINGS/STRUCTURES</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Restroom/Fieldhouse	2250	S.F.	x \$300.00 =	\$675,000.00
Restroom	1750	S.F.	x \$300.00 =	\$525,000.00

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Restroom & Concessions/Fieldhouse	2250	S.F.	x	\$300.00	=	\$675,000.00
<b>BUILDINGS/STRUCTURES TOTAL</b>						<b>\$1,875,000.00</b>

<u>SITE LIGHTING</u>	<u>Quantity</u>	<u>Unit</u>		<u>Unit Price</u>		<u>Total</u>
Single Head w/ Base	21	EA	x	\$1,650.00		\$34,650.00
Athletic Field Stadium Lighting	4	EA	x	\$100,000.00		\$400,000.00
Assoc. Electric	1	L.S.	x	\$100,000.00		\$100,000.00
In-Ground Electrical Boxes	1	L.S.	x	\$40,000.00		\$40,000.00
Sound System	1	L.S.	x	\$70,000.00		\$70,000.00
<b>SITE LIGHTING TOTAL</b>						<b>\$644,650.00</b>

<u>ATHLETIC FACILITY IMPROVEMENTS</u>	<u>Quantity</u>	<u>Unit</u>		<u>Unit Price</u>		<u>Total</u>
Synthetic Turf Field	168000	S.F.	x	\$8.50	=	\$1,428,000.00
Track Subgrade Preparation	6465	S.Y.	x	\$0.50	=	\$3,232.50
Field Curb Nailer	1165	L.F.	x	\$16.00	=	\$18,640.00
Track Asphalt Paving	6465	S.Y.	x	\$36.00	=	\$232,740.00
8" Stone Track Subbase	6465	S.Y.	x	\$10.00	=	\$64,650.00
Generic Urethane Track, 3/8", Color	6465	S.Y.	x	\$40.00	=	\$258,600.00
Fence, Track Perimeter, 4' Height, Vinyl Chain Link	1610	L.F.	x	\$30.00	=	\$48,300.00
Bleacher, 6 to 20 Tiers, upto 300' Long (All Bleachers)	2000	SEAT	x	\$300.00	=	\$600,000.00
Bleacher, 6 to 20 Tiers, upto 300' Long (All Bleachers)	1000	SEAT	x	\$300.00	=	\$300,000.00
Bleacher, 6 to 20 Tiers, upto 300' Long (All Bleachers)	450	SEAT	x	\$300.00	=	\$135,000.00
Football Goalpost, Steel, Double Post	4	EA	x	\$2,500.00	=	\$10,000.00
Scoreboard	2	EA	x	\$25,000.00	=	\$50,000.00
Soccer Goal, Regulation	4	EA	x	\$2,000.00	=	\$8,000.00
Press Box	1	EA	x	\$50,000.00	=	\$50,000.00
<b>ATHLETIC FACILITY IMPROVEMENTS</b>						<b>\$3,207,162.50</b>

E&S CONTROLS TOTAL					=	\$45,000.00
SITE DEMOLITION TOTAL					=	\$96,300.00
EARTHWORK AND EXCAVATION TOTAL					=	\$200,000.00
PAVEMENT AND ASSOCIATED IMPROVEMENTS TOTAL					=	\$843,935.00
WATER DISTRIBUTION TOTAL					=	\$30,000.00
SANITARY SEWER TOTAL					=	\$40,000.00
STORMWATER MANAGEMENT TOTAL					=	\$250,000.00
MISCELLANEOUS SITE IMPROVEMENTS TOTAL					=	\$110,500.00
LANDSCAPING TOTAL					=	\$20,000.00
<b>BUILDINGS/STRUCTURES TOTAL</b>					=	<b>\$1,875,000.00</b>
<b>SITE LIGHTING TOTAL</b>					=	<b>\$644,650.00</b>
<b>ATHLETIC FACILITY IMPROVEMENTS</b>					=	<b>\$3,207,162.50</b>
<b>ESTIMATED SITEWORK CONSTRUCTION COST - SUBTOTAL</b>					=	<b>\$7,362,547.50</b>

Mobilization				5%	=	\$368,127.38
Bonding and Insurance				2%	=	\$147,250.95



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**PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS**

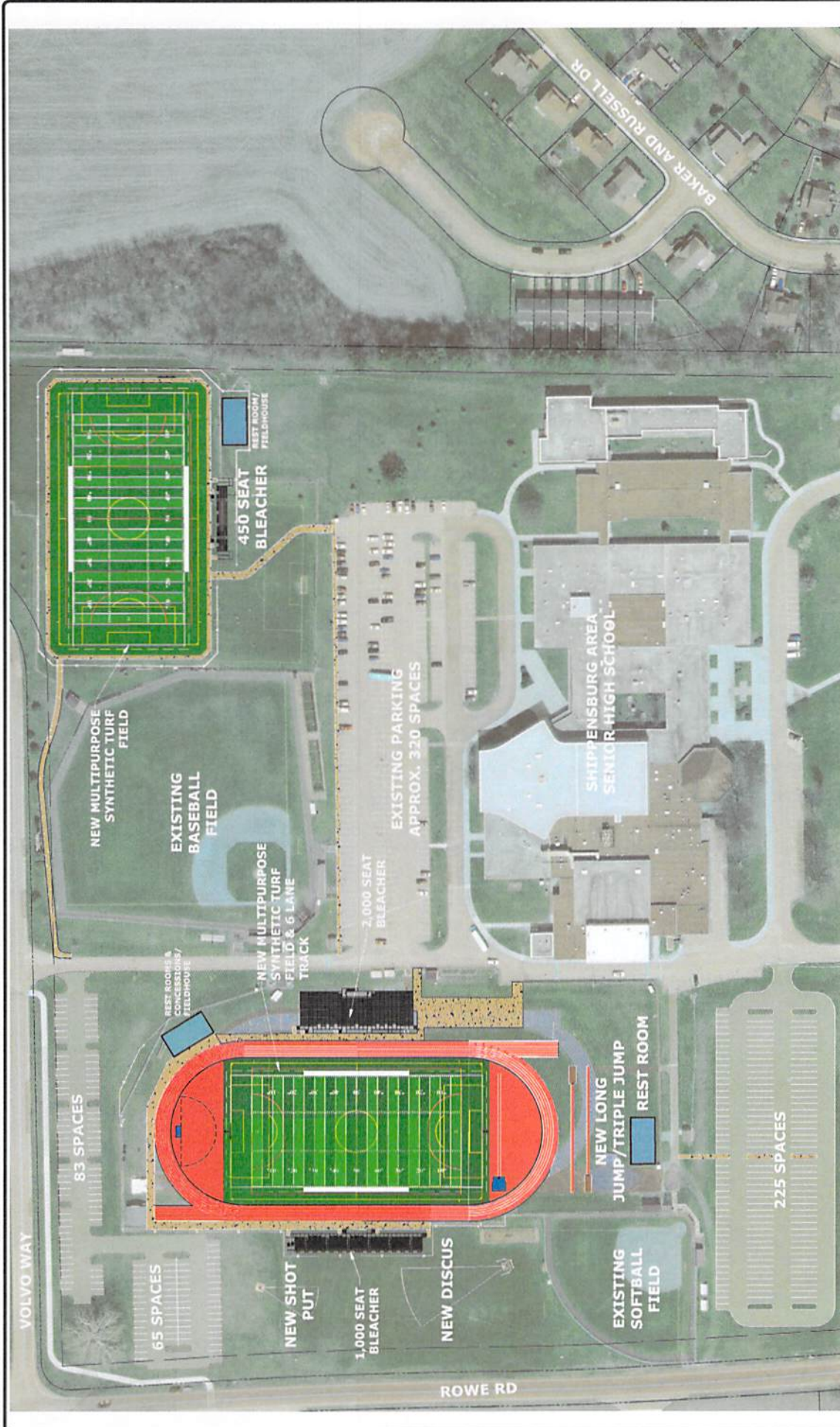
CLIENT: Shippensburg Area School District  
PROJECT NAME: Shippensburg High School Concept 1  
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Maintenance of Traffic	1%	=	\$73,625.48
Testing and Miscellaneous	2%	=	\$147,250.95
Contingency	10%	=	\$736,254.75
<b>ESTIMATED SITEWORK CONSTRUCTION COST - TOTAL</b>			<b>\$8,835,057</b>

**NOTES:**

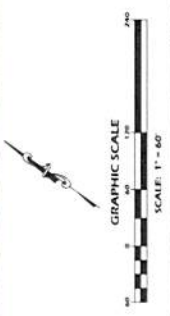
1. Estimate is based on Conceptual Sketch 1, and does not reflect detailed design, investigation, etc. More detailed estimates can be provided when design drawings are produced.
2. Estimate is prepared without benefit of boundary or topographic survey.
3. Does not include Rock Removal
4. Does not include import/export of soil.
5. Does not include water or sewer tapping fees, permit fees, application fees, review fees, etc.



Shippensburg High School - Concept Plan 1  
**Athletic Improvements**  
 Shippensburg Area School District  
 Shippensburg, Pennsylvania

Scale: 1" = 60' - Date: Nov. 15, 2021

**EXHIBIT A**



**K&W**  
 ENGINEERING ARCHITECTS  
 227 N. State Street  
 P.O. Box 200  
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