

# FOREST HILLS SCHOOL DISTRICT

Roof Replacement Budget 2023



**ENGAGE • EMPOWER • EXCEL** 

Presented to:

**Larry Corley** 













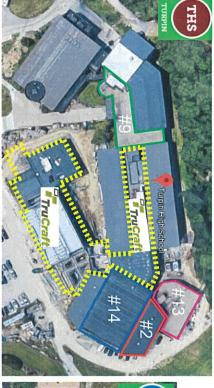






# Forest Hills School District - Re-Roof Flow Chart By Priority

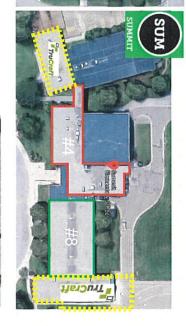
















District Office

Milford, OH | P 513.965.9200 | F 513.823.2900









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Budget Cost 2019  201,600.00  201,600.00  202,640.00  87,360.00  112,000.00  367,800.00  209,440.00  101,420.00  115,480.00  116,480.00  214,1530.00  224,160.00  77,280.00  77,280.00  349,060.00  349,060.00  372,120.00  372,120.00  28  All Roof Areas 2019  21		7				-				-													_
	ROOFING   Above. Beyond.	School	Anderson	Turpin	District Office	Summit	Maddux	Anderson	Anderson	Summit	Turpin	Sherwood	Maddux	Anderson	Turpin	Turpin	Ayer	Mercer	Ayer	Ayer	Sherwood		
Budget Cost 2020 for 2023   Square Frontiage   Budget Cost 2021   From 2021   Budget Cost 2029   Square Frontiage   Budget Cost 2021   Square Frontiage   Square Fr	Beyond.	Roof Area	Area #1	Area #1	All	Area #1	Area #1	Area #2	Area #3	Area #2	Area #4	Area #2	Area #2	Area #4	Area #2	Area #3	Area #3	Area #1	Area #1	Area #2	Area # 1		
Square Footage         Budget Cost 2021         from 2021         Budget Cost 2019           13,000         \$231,550.00         \$50,390.00         201,600.00           3,500         \$60,540.00         \$13,155.00         \$21,640.00           112,000         \$50,390.00         \$226,004.00         \$22,640.00           28,000         \$128,800.00         \$228,000.00         \$112,000.00           28,000         \$128,800.00         \$31,000.00         \$367,900.00           15,500         \$240,860.00         \$2117,034.00         \$299,400.00           15,500         \$113,640.00         \$253,390.00         \$279,400.00           16,500         \$133,960.00         \$235,348.00         \$114,420.00           16,500         \$123,970.00         \$236,100.00         \$244,900.00           16,500         \$246,710.00         \$313,700.40         \$212,590.00           \$50,000         \$238,880.00         \$113,700.40         \$212,590.00           \$0,000         \$238,880.00         \$212,590.00         \$244,980.00           \$0,000         \$239,530.00         \$212,590.00         \$244,980.00           \$10,000         \$239,530.00         \$236,122.00         \$296,120.00           \$20,000         \$329,530.00         \$239,530			#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	#17	#18	#19		
Budget Cost 2021         from 2021         Budget Cost 2019           \$2231,850,00         \$50,390,00         201,600,00           \$60,540,00         \$13,156,00         \$22,640,00           \$96,100,00         \$226,204,00         \$7,360,00           \$1128,800,00         \$226,204,00         367,800,00           \$423,000,00         \$91,920,00         367,800,00           \$2340,860,00         \$91,920,00         367,800,00           \$116,640,00         \$252,348,00         101,420,00           \$113,960,00         \$229,112,00         116,480,00           \$143,960,00         \$229,112,00         116,480,00           \$140,910,00         \$3113,700,40         214,530,00           \$226,710,00         \$113,700,40         214,530,00           \$288,880,00         \$113,700,40         214,530,00           \$122,360,00         \$113,700,40         214,530,00           \$288,880,00         \$113,700,40         214,530,00           \$288,880,00         \$113,700,40         214,530,00           \$396,330,00         \$112,264,00         30,600,00           \$396,330,00         \$122,264,00         39,600,00           \$396,330,00         \$106,400,00         39,600,00           \$396,330,00	ENGAGE - EMPOWER - EXCEL	Idget Cost: 2020 for 2023	\$282,240.00	\$73,696.00	\$122,304.00	\$156,800.00	\$514,920.00	\$655,424.00	\$293,216.00	\$141,988.00	\$163,072.00	\$171,542.00	\$360,410.40	\$341,824.00	\$108,192.00	\$148,960.00	\$68,684.00	\$482,482.00	\$413,630.00	Replaced by TruCraft	\$520,968.00	All roof areas 2023	\$5,020,352.40
Budget Cost 2021         from 2021         Budget Cost 2019           \$231,850.00         \$50,390.00         201,500.00           \$50,540.00         \$13,156.00         \$20,540.00           \$95,100.00         \$226,204.00         87,360.00           \$128,800.00         \$228,000.00         112,000.00           \$117,034.00         \$51,000.00         367,800.00           \$238,390.00         \$117,034.00         367,800.00           \$243,000.00         \$25,348.00         101,420.00           \$240,860.00         \$25,348.00         101,420.00           \$116,640.00         \$25,348.00         101,420.00           \$133,960.00         \$230,632.00         122,530.00           \$133,960.00         \$113,700.40         124,430.00           \$122,390.00         \$113,700.40         244,160.00           \$286,880.00         \$113,700.40         244,160.00           \$122,390.00         \$122,590.00         244,160.00           \$286,420.00         \$106,400.00         \$106,400.00           \$339,770.00         \$173,860.00         295,450.00           \$339,770.00         \$173,860.00         372,120.00           \$339,770.00         \$33,080.00         373,120.00           \$344,630.00 <td< td=""><th>Schoo</th><td>Square Footage</td><td>13,000</td><td>3,500</td><td>12,000</td><td>8,400</td><td>28,000</td><td>35,000</td><td>15,500</td><td>8,100</td><td>6,500</td><td>5,600</td><td>16,200</td><td>16,500</td><td>5,000</td><td>10,000</td><td>3,500</td><td>30,000</td><td>32,000</td><td>5,500</td><td>37,000</td><td></td><td></td></td<>	Schoo	Square Footage	13,000	3,500	12,000	8,400	28,000	35,000	15,500	8,100	6,500	5,600	16,200	16,500	5,000	10,000	3,500	30,000	32,000	5,500	37,000		
Budget Cost 2019  201,600.00  52,640.00  87,360.00  112,000.00  367,800.00  468,160.00  209,440.00  101,420.00  116,480.00  214,530.00  244,160.00  344,630.00  344,630.00  372,120.00  All Roof Areas 2019  §3,543,060.00	School District	Budget Cost 2021	\$231,850.00	\$60,540.00	\$96,100.00	\$128,800.00	\$423,000.00	\$538,390.00	\$240,860.00	\$116,640.00	\$133,960.00	\$140,910.00	\$246,710.00	\$280,790.00	\$88,880.00	\$122,360.00	\$56,420.00	\$396,330.00	\$339,770.00		\$427,940.00	All roofs 2021	-
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00	2023 increase	from 2021	\$50,390.00	\$13,156.00	\$26,204.00	\$28,000.00	\$91,920.00	\$117,034.00	\$52,356.00	\$25,348.00	\$29,112.00	\$30,632.00	\$113,700.40	\$61,034.00	\$19,312.00	\$26,600.00	\$12,264.00	\$86,152.00	\$73,860.00		\$93,028.00	Total increase 2023 from 2021	\$950,102.40
\$80,640.00 \$80,640.00 \$21,056.00 \$34,944.00 \$44,800.00 \$147,120.00 \$147,120.00 \$46,592.00 \$49,012.00 \$415,880.40 \$97,664.00 \$30,912.00 \$118,180.00 \$118,180.00 \$148,848.00  2023 from 2019 \$1,477,292.40	Bdast Cost 2010	Budget Cost 2019	201,600.00	52,640.00	87,360.00	112,000.00	367,800.00	468,160.00	209,440.00	101,420.00	116,480.00	122,530.00	214,530.00	244,160.00	77,280.00	106,400.00	49,060.00	344,630.00	295,450.00		372,120.00	All Roof Areas 2019	\$3,543,060.00
	2023 increase	<u>from 2019</u>	\$80,640.00	\$21,056.00	\$34,944.00	\$44,800.00	\$147,120.00	\$187,264.00	\$83,776.00	\$40,568.00	\$46,592.00	\$49,012.00	\$145,880.40	\$97,664.00	\$30,912.00	\$42,560.00	\$19,624.00	\$137,852.00	\$118,180.00		\$148,848.00	2023 from 2019	\$1,477,292.40



 Provided for:
 Project Information:

 Forest Hills Local Schools
 Name: 2023 Roof Budgets

 Attn: Larry Corley
 RE: Roofing and Sheet Metal

 Location: Multiple Schools
 Job Type: Commercial

 Proposal Type: Budget

### Budgetary Roof Replacement Scope: Priority #1 ANDERSON HIGH SCHOOL

### Scope -

- . Remove the existing roof system(s) down to the GYPSUM roof deck and dispose of off-site.
- 2. Remove the existing wall flashing, penetration flashings and edge metals and dispose of off-site.
- 3. Install (2) layers of 2.2" polyisocyanurate roof insulation = R-25 using 2-part urethane adhesive.
- 4. Install tapered insulation on canopy roof (only roof to include tapered insulation).
- 5. Install 1/2" HD polyisocyanurate coverboard.
- 6. Install 60 mil Black EPDM (rubber) fully-adhered roof system.
- 7. Flash all through roof penetrations.
- Install new 24-gague edge metal/coping.
- 9. Install 24-gauge pre-finished metal bib-flashing/counter-flashing.
- 10. Provide Owner with Roofing Manufacturer's 20-year warranty and TruCraft 2-year Warranty.

TOTAL BUDGET PRICE:

\$282,240.00



### Clarifications:

- Pricing is budgetary in nature and subject to changed based on more details scope.
- Material availably and pricing are starting to stabilize but still fluctuating (this is just a projection and still subject to change).
- Access in multiple locations for crane and dumpster will be needed.
- Pricing is based on adequate structural slope; NO TAPERED insulation is included.
- Pricing adjustments may need to be made to incorporate flashing heights or added wood nailer to match new insulation heights.



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### Budgetary Roof Replacement Scope: Priority #2 TURPIN HIGH SCHOOL

### Scope -

- 1. Remove the existing roof system(s) down to the STEEL roof deck and dispose of off-site.
- 2. Remove the existing wall flashing, penetrations flashings and edge metals and dispose of off-site.
- 3. Install (2) layers of 2.2" polyisocyanurate roof insulation = R-25 using 2-part urethane adhesive.
- 4. Install tapered insulation on canopy roof (only roof to include tapered insulation).
- Install 1/2" HD polyisocyanurate coverboard.
- 6. Install 60mil Black EPDM (rubber)fully-adhered roof system.
- 7. Flash all through roof penetrations.
- 8. Install new 24-gague edge metal/coping (gutters have already been replaced as part of 2017/2018 contract work).
- 9. Install 24-gauge pre-finished metal bib-flashing/counter-flashing.
- 10. Provide owner with Roofing Manufacturer's 20-year warranty and TruCraft 2-year Warranty.

**TOTAL BUDGET PRICE:** 

\$73,696.00



### Clarifications:

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- Material availably and pricing are starting to stabilize but still fluctuating (this is just a projection and still subject to change).
- Access in multiple locations for crane and dumpster will be needed.
- Pricing is based on adequate structural slope; NO TAPERED insulation is included.
- Pricing adjustments may need to be made to incorporate flashing heights or added wood nailer to match new insulation heights.



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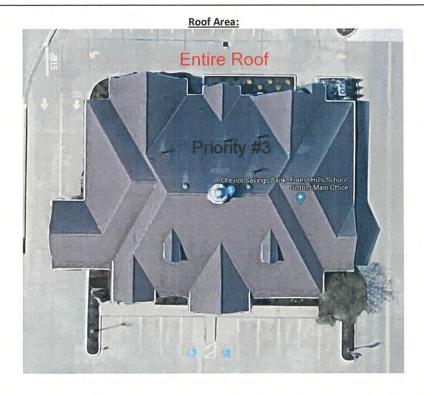
### Budgetary Roof Replacement Scope: Priority #3 BOARD OFFICE

### Scope -

- 1. Remove the existing shingle roof system(s) down to the wood deck and dispose of off-site.
- 2. Remove the existing rake, eave, valley and peak flashings and dispose of off-site.
- 3. Remove the existing gutters and downspouts and dispose of off-site
- 4. Install new ice & water shield underlayment.
- 5. Install new synthetic felt underlayment.
- 6. Install new dimension shingle roof system.
- 7. Install rake, eave, valley and peak flashings.
- 8. Flash all through roof pipe and curb flashings.
- 9. Install new 24-gauge pre-finished gutters and downspouts.
- 10. Provide Owner with Roofing Manufacturer's Lifetime Limited Warranty and TruCraft 2-year Warranty.

**TOTAL BUDGET PRICE:** 

\$122,304.00



### Clarifications:

- Pricing is budgetary in nature and subject to changed based on more details scope.
- Material availably and pricing are starting to stabilize but still fluctuating (this is just a projection and still subject to change).
- Access in multiple locations for crane and dumpster will be needed.
- Pricing adjustments may need to be made to incorporate flashing heights or added wood nailer to match new insulation heights.



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### Budgetary Roof Replacement Scope: Priority #4 SUMMIT ELEMENTARY

### Scope -

- 1. Remove the existing roof system(s) down to the STEEL roof deck and dispose of off-site.
- 2. Remove the existing wall flashing, penetrations flashings and edge metals and dispose of off-site.
- 3. Install (2) layers of 2.2" polyiso roof insulation = R-25 using 2-part urethane adhesive.
- 4. Install tapered insulation on canopy roof (only roof to include tapered insulation).
- 5. Install 1/2"" HD polyiso coverboard.
- 6. Install 60mil Black EPDM (Rubber) fully-adhered roof system.
- 7. Flash all through roof penetrations.
- 8. Install new 24-gague edge metal/coping.
- 9. Install 24-gauge pre-finished metal bib-flashing/counter-flashing.
- 10. Provide Owner with Roofing Manufacturer's 20-year warranty and TruCraft 2-year Warranty.

TOTAL BUDGET PRICE:

\$156,800.00



### Clarifications:

- Pricing is budgetary in nature and subject to changed based on more details scope.
- Material availably and pricing are starting to stabilize but still fluctuating (this is just a projection and still subject to change).
- Access in multiple locations for crane and dumpster will be needed.
- Pricing is based on adequate structural slope; NO TAPERED insulation is included.
- Pricing adjustments may need to be made to incorporate flashing heights or added wood nailer to match new insulation heights.



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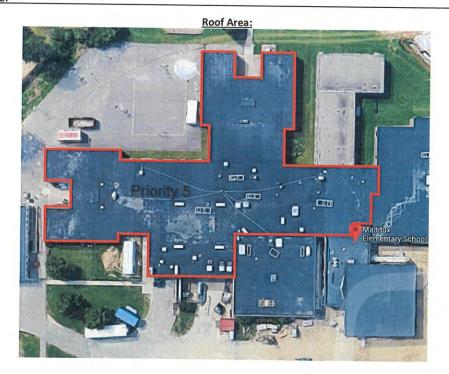
### Budgetary Roof Replacement Scope: Priority #5 MADDUX ELEMENTARY

### Scope -

- 1. Remove the existing roof system(s) down to the STEEL roof deck and dispose of off-site.
- 2. Remove the existing wall flashing, penetrations flashings and edge metals and dispose of off-site.
- 3. Install (2) layers of 2.2" polyisocyanurate roof insulation = R-25 using 2-part urethane adhesive.
- 4. Install tapered insulation on canopy roof (only roof to include tapered insulation).
- 5. Install 1/2" HD polyisocyanurate coverboard.
- 6. Install 60mil Black EPDM (rubber) fully-adhered roof system.
- 7. Flash all through roof penetrations.
- Install new 24-gague edge metal/coping.
- 9. Install 24-gauge pre-finished metal bib-flashing/counter-flashing.
- 10. Provide Owner with Roofing Manufacturer's 20-year warranty and TruCraft 2-year Warranty.

**TOTAL BUDGET PRICE:** 

\$514,920.00



### Clarifications:

- Pricing is budgetary in nature and subject to changed based on more details scope.
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- Access in multiple locations for crane and dumpster will be needed.
- Pricing is based on adequate structural slope; NO TAPERED insulation is included.
- Pricing adjustments may need to be made to incorporate flashing heights or added wood nailer to match new insulation heights.



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