

REQUEST FOR ADDITIONAL DAYS ADDED TO EAST HARDIN MIDDLE SCHOOL SCHEDULE

1st Reason for Request – Delayed startup

The site-work package for East Middle project was bid concurrently with Lincoln Trail Elementary. This was done in hopes for a quicker startup for the site-work at East. Post bid information was submitted to KDE on March 30, 2019. The quick startup never materialized as KDE took 6 weeks before they gave a verbal authorization on May 15. What had been anticipated was to begin site-work in early April, but actual site-work startup was late May. The milestone date in the bid documents for "Start Construction of Building Pad" was April 15, but it was May 15 when we received verbal authorization to proceed from KDE. In reality it takes some time for a contractor to mobilize on site. Once Jave was given a notice to proceed, and their equipment was delivered, site-work commenced on May 28, 2019. The original schedule allowed 43 days for building pad from start to finish. The building pad was started and completed in 46 days. We suggest that a minimum of 30 days be added to the East Middle School project schedule.

2nd Reason for Request – June Rainfall

Construction of the building pad was critical for schedule adherence. Equipment was mobilized on May 23-25. Being 45 days late for startup, the first dirt was moved on Tuesday, May 28 followed by two straight days of rain. The rain continued off and on for the next 30 days until July 8th when the weather broke for the entire week. There was recorded 9.37 inches of rain for Elizabethtown/Hardin County during this period. The average of rainfall for this period, for this area is 3.8 inches per the Kentucky Mesonet, the Commonwealths official center for weather data. Not counting wet weekends, 22 of 30 work days were unworkable on the building pad which added an additional 22 days longer to the completion of the building pad. The building pad was completed on July 12, 2019. What amount of time the contractor would normally have required to complete the pad during the normally dry month of June was lost due to this excessive amount of rain. We suggest that an additional 22 days could be added to the construction schedules.

As a result of these issues it is necessary to revise the initial schedule and establish new milestone dates. Alliance has documented 52 days of delay to the original project schedule. The original schedule had included some float days, therefore, we are not seeking all 52 days. Most importantly to the school district are the substantial and final completion dates. Taking into consideration these project delays, we are projecting a substantial completion of November 30, 2020 from October 31st and final completion on or before December 31, 2020.

**EAST HARDIN MIDDLE SCHOOL
SITE EXCAVATION PROGRESS**

LOST PRODUCTION DAY

WEDNESDAY MAY 22	MET BILLINGS ON SITE	
THURSDAY MAY 23	EQUIPMENT DELIVERED	
FRIDAY MAY 24	EQUIPMENT DELIVERED	

MONDAY MAY 27	EQUIPMENT DELIVERED	
TUESDAY MAY 28	STRIP TOPSOIL ON PAD	
WEDNESDAY MAY 29	RAINED OUT	X
THURSDAY MAY 30	RAINED OUT	X
FRIDAY MAY 31	RAINED OUT	X

MONDAY 6/03	STRIP TOPSOIL ON PAD	
TUESDAY 6/04	RAINED OUT	X
WEDNESDAY 6/05	RAINED OUT	X
THURSDAY 6/06	TOO WET	X
FRIDAY 6/07	TOO WET	X

MONDAY JUNE 10	RAINED OUT	X
TUESDAY JUNE 11	RAINED OUT	X
WEDNESDAY JUNE 12	TOO WET	X
THURSDAY JUNE 13	WORKING	
FRIDAY JUNE 14	WORKING	

MONDAY JUNE 17	RAINED OUT	X
TUESDAY JUNE 18	RAINED OUT	X
WEDNESDAY JUNE 19	RAINED OUT	X
THURSDAY JUNE 20	RAINED OUT	X
FRIDAY JUNE 21	RAINED OUT	X

MONDAY JUNE 24	TOO WET	X
TUESDAY JUNE 25	DRAINING PAD	X
WEDNESDAY JUNE 26	DRAINING PAD	
THURSDAY JUNE 27	TOO WET	X
FRIDAY JUNE 28	TOO WET	X

MONDAY JULY 1	WORK ON BUILDING PAD	
TUESDAY JULY 2	RAINED OUT	X
WEDNESDAY JULY 3	RAINED OUT	X
THURSDAY JULY 4	HOLIDAY	
FRIDAY JULY 5	TOO WET	X

22 OF 30 DAYS UNWORKABLE

July 8-10	DRY & WORKING	
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REQUEST FOR ADDITIONAL DAYS ADDED TO LINCOLN TRAIL ELEMENTARY SCHOOL SCHEDULE

1st Reason for Request - Delayed startup

Once the bidding process was completed for Lincoln Trail Elementary and all documents were assembled, Alliance Corporation submitted (uploaded) the documents to KDE on March 30, 2019. The normal time for processing by KDE is a few weeks, but tentative approval for the project by KDE was not received until May 15, 2019. This was a full 6 weeks later. Alliance had even prepared interim contracts to expedite the construction process but these were reviewed by KDE along with the normal contracts, therefore we gained no advantage.

The initial milestone date for construction start-up was April 1, 2019. The excavation contractor Trademark, finally received their official go ahead to begin stripping topsoil on May 2nd. Proceeding with the building pad, Trademark completed the pad on May 24, 2019. The amount of time they required to build the pad was on target for the 26 days Alliance had allowed in the original milestone schedule.

Even with their production, the project was already 30 days beyond the original schedule. An extension of 30 days added to the construction schedule is more than reasonable.

2nd Reason for Request – June Rainfall

From the time the building pad was completed and accessible to contractors, the building layout was begun on May 27, 2019. Throughout the month of June and the first week of July, the project lost 16 out of the 30 actual work days due to rainouts and wet/sloppy conditions that made the work impossible. There was 9.37 inches of rainfall in and around Elizabethtown during this period of time. The average rainfall for Elizabethtown/Hardin County is 3.8 inches, per Kentucky Mesonet, the Commonwealths official source of weather data. Our records are in sync with this data and we believe adding 16 working days to the construction schedule is reasonable.

3rd Reason for Request – Grouting methods

Masonry concrete blocks when laid are required to be grouted and the plans and specifications gave two methods of grouting using a “high lift” or “low lift” process. Low lift required the mason to grout the 12’8 tall first floor walls three separate times, whereas the high lift requires only two separate grouting applications. The masonry contractor chose to bid using “high lift grouting” but was rejected by the structural engineer who preferred the low lift choice. After several attempts to ask for high lift grouting it was finally granted 30 days later by the structural engineer. Carmicle Masonry advised that his block count laid per day finally equaled the production he had originally bid, once they eliminated one third of the grouting applications. This is difficult to determine the actual number of days that could have speeded up the masonry work if the high lift had been authorized when initially requested. It is worth noting this issue because this did have a negative impact on the schedule due to the slower process of laying block and we calculate at least 10 days over the time in question.

As a result of these documented delays to the project a revised schedule has been developed. The new timeline for the project will have final completion no later than September 30, 2020 in time for Fall Break which occurs on the week of October 5, 2020. There are no other foreseeable delays that would negatively affect this revised schedule.

LINCOLN TRAIL ELEMENTARY BUILD FOUNDATION PROGRESS

LOST PRODUCTION DAY

WEDNESDAY MAY 1	EQUIPMENT DELIVERED	
THURSDAY MAY 2	AUTHORIZATION TO PROCEED	
FRIDAY MAY 3	RAINED OUT	

WEEK OF MAY 21-24	BUILDING PAD COMPLETE	
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MONDAY MAY 27	EDG LAYOUT BUILDING	
TUESDAY MAY 28	RAINED OUT	X
WEDNESDAY MAY 29	RAINED OUT	X
THURSDAY MAY 30	EDG LAYOUT BUILDING	
FRIDAY MAY 31	RAINED OUT	X

MONDAY JUNE 3	ACCESS TO PAD CONSTRUCTED	
TUESDAY JUNE 4	RAINED OUT	X
WEDNESDAY JUNE 5	RAINED OUT	X
THURSDAY JUNE 6	LAYOUT FOOTINGS	
FRIDAY JUNE 7	RAINED OUT	X

MONDAY JUNE 10	SLOPPY-BUILDING FORMS	
TUESDAY JUNE 11	EXCAVATING FOOTINGS	
WEDNESDAY JUNE 12	POURING FOOTINGS	
THURSDAY JUNE 13	EXCAVATING FOOTINGS	
FRIDAY JUNE 14	POURING FOOTINGS	

MONDAY JUNE 17	RAINED OUT	X
TUESDAY JUNE 18	RAINED OUT	X
WEDNESDAY JUNE 19	RAINED OUT	X
THURSDAY JUNE 20	RAINED OUT	X
FRIDAY JUNE 21	RAINED OUT	X

MONDAY JUNE 24	RAINED OUT	X
TUESDAY JUNE 25	PUMPING WATER/NO WORK	X
WEDNESDAY JUNE 26	PUMPING WATER	X
THURSDAY JUNE 27	FORMING WALLS	
FRIDAY JUNE 28	POURING FOOTINGS	

MONDAY JULY 1	WORKING	
TUESDAY JULY 2	RAINED OUT	X
WEDNESDAY JULY 3	RAINED OUT	X
THURSDAY JULY 4	HOLIDAY	
FRIDAY JULY 5	SLOPPY BUT WORKING	

JULY 8-12	16 OF 1ST 30 WORK DAYS AFTER PAD COMPLETE UNWORKABLE WORKING ON FOUNDATIONS	
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