



# EAST ISLIP

## UNION FREE SCHOOL DISTRICT

FALL/WINTER 2018

**SEPT. 2017-MAY 2018**  
Research and Bond Vote

A long-range planning committee, comprised of members of the Board of Education, the district's architect, district administrators and community residents, develops a list of suggested districtwide capital projects and projected cost. The proposed scope of projects is then presented to the Board for their consideration and the Board accepts the committee's recommendations. The community approved the proposed bond on May 15, 2018.

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**JUNE 2018-APR. 2019**  
New York State Education Department and Bidding

The district must submit a Letter of Intent to complete capital work to NYSED and then proceed with testing to ensure environmental conditions. Once the district has completed all the necessary procedures, a final scope of work is sent to NYSED for review and approval. At this time, approval can take approximately 6-9 months. After receiving approval, the district must advertise the available work and review bids from companies vying for the project. The Board will accept the proposal from the lowest responsible bidder.

2

**OCTOBER 2018**  
Phase I Projects Begin

Phase 1 of the bond work begins with the renovation of the synthetic turf field and track, as well as the replacement of the bleachers. It is expected that the rest of the Phase 1 projects will begin in May 2019. In the coming weeks, the district will begin to put together a debriefing committee that will oversee all construction projects and meet with construction managers and architects to ensure the projects are completed on the proposed schedule.

3

**2020**  
Phase II Projects Begin

Phase 2 of the bond is anticipated to begin in 2020 and we expect the projects to be completed in 2021. Please see the full construction schedule on page 6. Although this is our proposed schedule, it is subject to change based on many factors outside of the district's control.

4

1.  $\mathbb{R}^n$  上の線形変換  $T$  が、基底  $\{e_1, \dots, e_n\}$  に対して、 $T(e_i) = e_i$  となるように作用する。このとき、 $T$  の行列表示は、 $n \times n$  の対角行列  $I_n$  である。

2.  $\mathbb{R}^n$  上の線形変換  $T$  が、基底  $\{e_1, \dots, e_n\}$  に対して、 $T(e_i) = e_{i+1}$  (ただし  $e_{n+1} = 0$ ) となるように作用する。このとき、 $T$  の行列表示は、 $n \times n$  の上三角行列  $A$  である。

3.  $\mathbb{R}^n$  上の線形変換  $T$  が、基底  $\{e_1, \dots, e_n\}$  に対して、 $T(e_i) = e_i + e_{i+1}$  (ただし  $e_{n+1} = 0$ ) となるように作用する。このとき、 $T$  の行列表示は、 $n \times n$  の上三角行列  $B$  である。

4.  $\mathbb{R}^n$  上の線形変換  $T$  が、基底  $\{e_1, \dots, e_n\}$  に対して、 $T(e_i) = e_i + e_{i-1}$  (ただし  $e_0 = 0$ ) となるように作用する。このとき、 $T$  の行列表示は、 $n \times n$  の上三角行列  $C$  である。

5.  $\mathbb{R}^n$  上の線形変換  $T$  が、基底  $\{e_1, \dots, e_n\}$  に対して、 $T(e_i) = e_i + e_{i+1} + e_{i-1}$  (ただし  $e_0 = e_{n+1} = 0$ ) となるように作用する。このとき、 $T$  の行列表示は、 $n \times n$  の上三角行列  $D$  である。

6.  $\mathbb{R}^n$  上の線形変換  $T$  が、基底  $\{e_1, \dots, e_n\}$  に対して、 $T(e_i) = e_i + e_{i+1} + e_{i-1} + e_{i-2}$  (ただし  $e_0 = e_{n+1} = e_{n+2} = 0$ ) となるように作用する。このとき、 $T$  の行列表示は、 $n \times n$  の上三角行列  $E$  である。

7.  $\mathbb{R}^n$  上の線形変換  $T$  が、基底  $\{e_1, \dots, e_n\}$  に対して、 $T(e_i) = e_i + e_{i+1} + e_{i-1} + e_{i-2} + e_{i-3}$  (ただし  $e_0 = e_{n+1} = e_{n+2} = e_{n+3} = 0$ ) となるように作用する。このとき、 $T$  の行列表示は、 $n \times n$  の上三角行列  $F$  である。

8.  $\mathbb{R}^n$  上の線形変換  $T$  が、基底  $\{e_1, \dots, e_n\}$  に対して、 $T(e_i) = e_i + e_{i+1} + e_{i-1} + e_{i-2} + e_{i-3} + e_{i-4}$  (ただし  $e_0 = e_{n+1} = e_{n+2} = e_{n+3} = e_{n+4} = 0$ ) となるように作用する。このとき、 $T$  の行列表示は、 $n \times n$  の上三角行列  $G$  である。

9.  $\mathbb{R}^n$  上の線形変換  $T$  が、基底  $\{e_1, \dots, e_n\}$  に対して、 $T(e_i) = e_i + e_{i+1} + e_{i-1} + e_{i-2} + e_{i-3} + e_{i-4} + e_{i-5}$  (ただし  $e_0 = e_{n+1} = e_{n+2} = e_{n+3} = e_{n+4} = e_{n+5} = 0$ ) となるように作用する。このとき、 $T$  の行列表示は、 $n \times n$  の上三角行列  $H$  である。

10.  $\mathbb{R}^n$  上の線形変換  $T$  が、基底  $\{e_1, \dots, e_n\}$  に対して、 $T(e_i) = e_i + e_{i+1} + e_{i-1} + e_{i-2} + e_{i-3} + e_{i-4} + e_{i-5} + e_{i-6}$  (ただし  $e_0 = e_{n+1} = e_{n+2} = e_{n+3} = e_{n+4} = e_{n+5} = e_{n+6} = 0$ ) となるように作用する。このとき、 $T$  の行列表示は、 $n \times n$  の上三角行列  $I$  である。



# SMART BOARDS CONTINUE TO BRING EXCITING TECH TO EI CLASSROOMS

Smart boards are a great way to bring technology into the classroom. They allow teachers to interact with their students in a new way. Smart boards can be used for a variety of purposes, including:

- Presenting information
- Collaborating with students
- Assessing student learning
- Providing feedback
- Encouraging student participation

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**East Islip Union Free School District**

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