The Bradford Pear trees on the side of the school by the playground are past their life stage and need to be removed. A plan has been created to remove and replant in phases. Phase 1 should occur during the summer and winter of 2015. Phase 2 should occur during the summer and winter of 2017. And the final phase, should occur in 2018, but if funds are an issue, this phase could be pushed back to 2019. The final phase should not really extend past 2019 due to the existing tree’s life.

**PHASE 1 - 2015**

**Trees Removed –** There will be6 of the 19 Bradford Pear trees removed by the playground, and then another large Bradford Pear tree removed at the front of the school by the Butterfly Garden. Also, some of the Bradford Pear trees by the bus ramp will be removed without plans to replant anything in this area. (There are no sprinkler lines available in the bus ramp area, and the cost of providing shade and aesthetically beautiful landscaping by this side of the school outweighs the benefits.) The district will remove the trees at no cost to the PTO. However, we need a contingency plan in place to pay to remove the trees in case the district comes back later to tell the PTO that they will not have time, or it cannot be done by the beginning of school. FBISD Facilities would be the group in charge of removing trees on campuses, and their group may become overwhelmed with the Aliana campus opening as well as any portables needed/moved throughout the district. Due to these and other possibilities out of the PTO’s control, it would be best to have a contingency that if by Monday, August 3rd the district hasn’t removed the trees, then the PTO will contact Arbor Care to remove them at a cost of $1,520.

**New Trees & Sizes** – There will be one 30 gallon Redbud tree planted at the front of the school near the Butterfly Garden in the same area as the existing Bradford Pear tree which will be removed. However, the new Redbud tree will have to be planted at least three feet away from same location as the Pear tree stump. In addition to the new tree at the front of the building, five 45 gallon Drummond Red Maples will be planted near the playground. Please see drawings for specific locations of new trees near the playground.

**Planting Timeline** – The district will remove the 6 trees by the playground and grind the stumps during summer 2015. The district will pay to remove and grind the stumps, so this will NOT be charged to the PTO. New plantings must occur during a certain time of year in order to increase the chances of survival, so the new Red Maple trees will be planted between November 2015 and January 2016. New irrigation lines will be run 2-4 days after planting.

**Irrigation** – Individual bubbler/irrigation lines will be run by Certified Landscape Company to each new tree in order to increase chances of survival.

**Cost –** Arbor Care will plant the new trees at a cost of$2,750 for five 45 gallon Drummond Red Maples ($550 per tree). This cost includes the tree, planting, staking system, fertilizer, and mulch. The cost of the one Redbud tree at the front of the school will be $350. There will be maintenance plan for two years with Arbor Care for an additional cost of $1,000\* to increase the chances of tree survival. The cost of irrigation modifications will be under $4,500\*. Phase 1 will be a total cost in an amount below $8,600 with a contingency of $1,520 for potential tree removal. This is a grand total of $10,120.

**Power Lines** – The red maples will be relatively close to the power lines and may someday grow closer to the lines upon maturity. It is the responsibility of the power company to trim trees around the lines, so PTO would not be responsible for maintaining the tree trimming near the lines. Also, the trees will be planted far enough away from the lines that we should not see an issue where the power company completely mutilates the trees as they have already done in the area.

**Other Notes** – The trees would be staked into the ground, but it is a system where there are no wires above ground for the children to hang on/run into/destroy/etc. It is essentially an underground root ball stake.

\*These are estimated costs. Vendors have not given us exact amounts as of April 2015.

**PHASE 2 - 2017**

**Trees Removed –** There will be10 Bradford Pear trees removed by the playground.

**New Trees & Sizes** – There will be six 45 gallon Monterrey Oaks planted near the playground. Please see drawings for specific locations of new trees near the playground.

**Planting Timeline** – The district will remove all trees and grind the stumps during summer 2017. The district will pay to remove and grind the stumps, so this will NOT be charged to the PTO. New plantings must occur during a certain time of year in order to increase the chances of survival, so the new Monterrey Oak trees will be planted between November 2017 and January 2018. New irrigation lines will be run 2-4 days after planting.

**Irrigation** – Individual bubbler/irrigation lines will be run by Certified Landscape Company to each new tree in order to increase chances of survival.

**Cost –** Arbor Care will plant the new trees at a cost of$3,300-$3,900 for six 45 gallon Monterrey Oak trees ($550-$650 per tree, depending on prices at that time). This cost includes the tree, planting, staking system, fertilizer, and mulch. There will be a two year maintenance plan with Arbor Care for an additional cost of $1,000-$2,000 to increase the chances of tree survival. The cost of irrigation modifications will be in a range of $3,000-$5,000, but a new estimate will be required in 2017. This is a wide range and outside factors may change this estimate. A contingency should also be put into place for the removal of the ten trees at a cost of roughly $2,000. Phase 2 total cost will be between $9,300 and $12,900 with the contingency.

**Other Notes** – The trees would be staked into the ground, but it is a system where there are no wires above ground for the children to hang on/run into/destroy/etc. It is essentially an underground root ball stake.

**PHASE 3 – 2018\***

**Trees Removed –** There will be4 Bradford Pear trees removed by the playground.

**New Trees & Sizes** – There will be three 45 gallon Monterrey Oaks planted near the playground. Please see drawings for specific locations of new trees near the playground.

**Planting Timeline** – The district will remove all trees and grind the stumps during summer 2018\*. The district will pay to remove and grind the stumps, so this will NOT be charged to the PTO. New plantings must occur during a certain time of year in order to increase the chances of survival, so the new Monterrey Oak trees will be planted between November 2018 and January 2019. New irrigation lines will be run 2-4 days after planting.

**Irrigation** – Individual bubbler/irrigation lines will be run by Certified Landscape Company to each new tree in order to increase chances of survival.

**Cost –** Arbor Care will plant the new trees at a cost of$1,650 -$1,950 for three 45 gallon Monterrey Oak trees ($550-$650 per tree, depending on prices at that time). This cost includes the tree, planting, staking system, fertilizer, and mulch. There will be a two year maintenance plan with Arbor Care for an additional cost of $1,000-$2,000 to increase the chances of tree survival. The cost of irrigation modifications will be in a range of $2,000-$4,000, but a new estimate will be required in 2018. A contingency should also be put into place for the removal of the four trees at a cost of roughly $1,000. Phase 3 total cost will be between $5,650 and $8,950 with the contingency. This is a wide range and outside factors may change this estimate with time.

**Other Notes** – The trees would be staked into the ground, but it is a system where there are no wires above ground for the children to hang on/run into/destroy/etc. It is essentially an underground root ball stake.

\* Upon plan creation, it is suggested to implement Phase 3 in 2018. However, the PTO Board could decide to wait until 2019. The final four Bradford Pear trees will not have much, if any, life left after 2019.