

## **2-8854.00, Daviess County**

### **Fairview Drive Widening**

#### **Project Overview**

The Kentucky Transportation Cabinet (KYTC) is in the preliminary design stages for the project to widen Fairview Drive (KY 3143) between Settles Road (KY 3335) and KY 54. In the current Highway Plan, enacted by the state legislature, the right-of-way acquisition for this project can begin in FY 2022, the utility relocation can begin in FY 2024 and the construction of the project can begin in FY 2026.

For ease of comparing alternatives, this project has been subdivided into four sections:

1. From Settles Road intersection to Pleasant Heights Lane
2. From Pleasant Heights Lane to Brooks Parkway
3. From Brooks Parkway to Green River Drive
4. From Green River Drive to KY 54

#### **Section 1**

Three alternates are proposed for Section 1. Section 1 proposes to construct either a 2-lane roadway with 11' lanes and 12' dedicated left turn lanes at Settles Road and Hillbrooke Parkway or a 3-lane roadway with 11' lanes and a 12' center turn lane. Both sides of the road will have a 6' paved shoulder with ditching.

**Alternate A** proposes to widen existing Fairview Drive equally on both sides and matches the existing roadway elevations from Settles Road to Pecks Place with minor adjustments to roadway grade between Pecks Place and Pleasant Heights Lane. This would have a moderate impact to traffic during construction but would also leave the existing crest and steep roadway grades leading to the Settles Road intersection. Estimated cost to construct this Alternate is \$750,000.

**Alternate B** will slightly shift Fairview Drive such that most of the widening will be to one side or the other. This alternate will cut down the crest hill approaching the Settles Road intersection as well as flatten the grade leading to this crest. This alternate will have the greatest impact to traffic during construction. Estimated cost to construct this Alternate is \$1,025,000.

**Alternate C** would realign Fairview Drive to tie into Settles Road at the existing location of Fairview Spur. This alternate would allow the design team to flatten the vertical grade approaching the Settles Road intersection without impacting traffic on Fairview Drive. Estimated cost to construct this Alternate is \$1,150,000.

## **Section 2**

Two alternates are proposed for Section 2. Section 2 will consist of a 2-lane roadway with 11' lanes and curb and gutter and a sidewalk on the west side of Fairview Drive between Hillbrooke Parkway and Brooks Parkway. The east side of Fairview Drive will have a 6' paved shoulder and ditching.

**Alternate A** will widen existing Fairview Drive equally on both sides with minor adjustments to roadway grade. Estimated cost to construct this Alternate is \$700,000.

**Alternate B** will slightly shift Fairview Drive such that most of the widening will be to one side or the other. This alternate also performs minor adjustments to roadway grade. Estimated cost to construct this Alternate is \$700,000.

## **Section 3**

There are three alternates in Section 3. Section 3 proposes to construct a 3-lane roadway with 11' lanes and a 12' center turn lane. Both sides of the road will have curb and gutter. A sidewalk will be constructed on the west side from Brooks Parkway to Green River Drive. On the east side, a sidewalk will be constructed from Brooks Parkway to the Greenbelt with a 10' shared use path (SUP) being constructed from the Greenbelt to Green River Drive.

**Alternate A** proposes to widen existing Fairview Drive equally on both sides with minor adjustments to roadway grade. The curve where the Greenbelt crosses Fairview Drive will be improved to help sight distance and the crossing will be replaced at-grade. Estimated cost to construct this Alternate is \$1,075,000.

**Alternate B** will slightly shift Fairview Drive such that most of the widening will be to one side or the other. This alternate also performs minor adjustments to roadway grade. The curve where the Greenbelt crosses Fairview Drive will be improved to help sight distance and the crossing will be replaced at-grade. Estimated cost to construct this Alternate is \$1,075,000.

**Alternate C** would realign Fairview Drive such that a bridge could be constructed over the Greenbelt. This alternate would separate the pedestrian traffic crossing Fairview Drive on the Greenbelt from the vehicular traffic travelling on Fairview Drive. Estimated cost to construct this Alternate is \$1,950,000.

## **Section 4**

Two alternates are being considered for Section 4. Section 4 proposes to construct a 3-lane roadway with 11' lanes and a 12' center turn lane. Both sides of the road will have curb and gutter. A sidewalk will be constructed on the west side and a 10' SUP will be constructed on the east side. In both alternates, the left turn lane from NB Fairview Drive will be extended to accommodate queuing traffic without blocking the through lane. The existing splitter island at Villa Point will be replaced in a similar fashion to what is currently constructed. North of KY 54, Fairview Drive will be widened to allow a dedicated right turn lane from SB Fairview Drive to KY 54.

**Alternate A** will widen existing Fairview Drive equally on both sides with minor adjustments to roadway grade. Estimated cost to construct this Alternate is \$1,775,000.

**Alternate B** will slightly shift Fairview Drive such that most of the widening will be to one side or the other. This alternate also performs minor adjustments to roadway grade. Estimated cost to construct this Alternate is \$1,800,000.

## **Intersection of Fairview Drive and Settles Road**

Several options are being considered to address the intersection at Fairview Drive.

**Alternate A** proposes to realign Fairview Spur to the existing location of the Fairview Drive and Settles Road intersection, making this a 4-legged intersection. A traffic signal would be installed to control traffic and allow left turns from Fairview Spur. Additional estimated cost to install traffic signal is \$150,000.

**Alternate B** would construct a cul-de-sac on Fairview Spur near its current intersection with Fairview Drive. The connection to Fairview Drive would be removed and this would become a dead end street. This intersection alternate would have the least impact to right-of-way. Additional estimate cost to construct cul-de-sac is \$10,000.

**Alternate C** proposes to construct a roundabout at the current intersection of Fairview Spur and Settles Road while realigning Fairview Drive to tie to the proposed roundabout. This intersection alternate would have similar right-of-way impacts to Alternate A. Additional estimated cost to construct roundabout is \$450,000.

**Alternate D** would realign Fairview Drive like Alternate C but install a traffic signal in lieu of a roundabout for controlling traffic. This intersection alternate would have similar right-of-way impacts to Alternate A. Additional estimated cost to install traffic signal is \$150,000.