

APPENDIX C:
SIGNAL WARRANT ANALYSIS

Analyst: AMW
 Agency: PB
 Date: 10/5/2015
 Project ID: District 10
 EW Street: KY 11

Intersection: KY 11 at Airport Road
 Jurisdiction: Powell County
 Units: U.S. Customary
 Analysis Year: 2015
 NS Street: Airport Road

-----General Information-----

Major St. Speed (mph): 0 Population: Less than 10000
 Nearest Signal (ft): 0 Coordinated Signal System: N
 Crashes per Yr: 2

-----School Crossing-----

Students in Highest Hour: 0
 Adequate Gaps in Period: 0
 Minutes in Period: 0

-----Roadway Network-----

Two Major Routes: 0
 Weekend Count: 0
 5-yr Growth Factor: 0

-----Geometry and Traffic-----

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	0	1	0	0	1	0	0	1	0	0	1	0
LaneUsage		T			T			T			T	

-----Results-----

- Warrant 1: Eight-Hour Vehicular Volume []
 - 1 A. Minimum Vehicular Volumes []
 - 1 B. Interruption of Continuous Traffic []
 - 1 56% Vehicular --and-- Interruption Volumes []
- Warrant 2: Four-Hour Vehicular Volume
 - 2 A. Four-Hour Vehicular Volumes []
- Warrant 3: Peak Hour []
 - 3 A. Peak-Hour Conditions []
 - 3 B. Peak-Hour Vehicular Volume Hours Met []
- Warrant 4: Pedestrian Volume []
 - 4 A. Four Hour Volumes []
 - 4 B. One-Hour Volumes []
- Warrant 5: School Crossing []
 - 5 A. Student Volumes []
 - 5 B. Gaps Same Period []
- Warrant 6: Coordinated Signal System []
 - 6 Degree of Platooning []
- Warrant 7: Crash Experience []
 - 7 A. Adequate trials of alternatives [X]

Analyst: AMW	Intersection: KY 15 at KY 451C
Agency: PB	Jurisdiction: Perry County
Date: 9/28/2015	Units: U.S. Customary
Project ID: District 1-	Analysis Year: 2015
EW Street: KY 15	NS Street: KY 451C

-----General Information-----

Major St. Speed (mph): 55	Population: Less than 10000
Nearest Signal (ft): 0	Coordinated Signal System: N
Crashes per Yr: 3	

-----School Crossing-----

Students in Highest Hour: 0
 Adequate Gaps in Period: 0
 Minutes in Period: 0

-----Roadway Network-----

Two Major Routes: 0
 Weekend Count: 0
 5-yr Growth Factor: 0

-----Geometry and Traffic-----

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	0	2	1	1	2	0	0	0	0	1	0	1
LaneUsage		T	R	L	T					L		R

-----Results-----

Warrant 1: Eight-Hour Vehicular Volume	[X]
1 A. Minimum Vehicular Volumes	[]
1 B. Interruption of Continuous Traffic	[X]
1 56% Vehicular --and-- Interruption Volumes	[X]
Warrant 2: Four-Hour Vehicular Volume	
2 A. Four-Hour Vehicular Volumes	[X]
Warrant 3: Peak Hour	[X]
3 A. Peak-Hour Conditions	[]
3 B. Peak-Hour Vehicular Volume Hours Met	[X]
Warrant 4: Pedestrian Volume	[]
4 A. Four Hour Volumes	[]
4 B. One-Hour Volumes	[]
Warrant 5: School Crossing	[]
5 A. Student Volumes	[]
5 B. Gaps Same Period	[]
Warrant 6: Coordinated Signal System	
6 Degree of Platooning	[]
Warrant 7: Crash Experience	[]
7 A. Adequate trials of alternatives	[X]

Analyst: AMW	Intersection: KY 15 at KY 3355
Agency: PB	Jurisdiction: Wolfe County
Date: 9/29/2015	Units: U.S. Customary
Project ID: District 10	Analysis Year: 2015
EW Street: KY 15	NS Street: KY 3355

-----General Information-----

Major St. Speed (mph): 45	Population: Less than 10000
Nearest Signal (ft): 0	Coordinated Signal System: N
Crashes per Yr: 2	

-----School Crossing-----

Students in Highest Hour: 0
 Adequate Gaps in Period: 0
 Minutes in Period: 0

-----Roadway Network-----

Two Major Routes: 0
 Weekend Count: 0
 5-yr Growth Factor: 0

-----Geometry and Traffic-----

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	1	0	1	1	0	0	1	0	0	1	0
LaneUsage	L	TR		L	TR			LTR			LTR	

-----Results-----

Warrant 1: Eight-Hour Vehicular Volume	[]
1 A. Minimum Vehicular Volumes	[]
1 B. Interruption of Continuous Traffic	[]
1 56% Vehicular --and-- Interruption Volumes	[]
Warrant 2: Four-Hour Vehicular Volume	
2 A. Four-Hour Vehicular Volumes	[]
Warrant 3: Peak Hour	[]
3 A. Peak-Hour Conditions	[]
3 B. Peak-Hour Vehicular Volume Hours Met	[]
Warrant 4: Pedestrian Volume	[]
4 A. Four Hour Volumes	[]
4 B. One-Hour Volumes	[]
Warrant 5: School Crossing	[]
5 A. Student Volumes	[]
5 B. Gaps Same Period	[]
Warrant 6: Coordinated Signal System	
6 Degree of Platooning	[]
Warrant 7: Crash Experience	[]
7 A. Adequate trials of alternatives	[X]

Analyst: AMW	Intersection: KY 15X at Newland Street
Agency: PB	Jurisdiction: Perry County
Date: 9/29/2015	Units: U.S. Customary
Project ID: District 10	Analysis Year: 2015
EW Street: KY 15X	NS Street: Newland Street

-----General Information-----

Major St. Speed (mph): 35	Population: Less than 10000
Nearest Signal (ft): 0	Coordinated Signal System: N
Crashes per Yr: 1	

-----School Crossing-----

Students in Highest Hour: 0
 Adequate Gaps in Period: 0
 Minutes in Period: 0

-----Roadway Network-----

Two Major Routes: 0
 Weekend Count: 0
 5-yr Growth Factor: 0

-----Geometry and Traffic-----

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	0	0	0	0	0	0	0	2	0	0	2	0
LaneUsage					LR			TR			LT	

-----Results-----

Warrant 1: Eight-Hour Vehicular Volume	[]
1 A. Minimum Vehicular Volumes	[]
1 B. Interruption of Continuous Traffic	[]
1 56% Vehicular --and-- Interruption Volumes	[]
Warrant 2: Four-Hour Vehicular Volume	
2 A. Four-Hour Vehicular Volumes	[]
Warrant 3: Peak Hour	[]
3 A. Peak-Hour Conditions	[]
3 B. Peak-Hour Vehicular Volume Hours Met	[]
Warrant 4: Pedestrian Volume	[]
4 A. Four Hour Volumes	[]
4 B. One-Hour Volumes	[]
Warrant 5: School Crossing	[]
5 A. Student Volumes	[]
5 B. Gaps Same Period	[]
Warrant 6: Coordinated Signal System	
6 Degree of Platooning	[]
Warrant 7: Crash Experience	[]
7 A. Adequate trials of alternatives	[X]

Analyst: AMW
 Agency: PB
 Date: 9/28/2015
 Project ID: District 10
 EW Street: KY 550

Intersection: KY 550 at Grand Vue
 Jurisdiction: Perry County
 Units: U.S. Customary
 Analysis Year: 2015
 NS Street: Grand Vue

-----General Information-----

Major St. Speed (mph): 35 Population: Less than 10000
 Nearest Signal (ft): 0 Coordinated Signal System: N
 Crashes per Yr: 2

-----School Crossing-----

Students in Highest Hour: 0
 Adequate Gaps in Period: 0
 Minutes in Period: 0

-----Roadway Network-----

Two Major Routes: 0
 Weekend Count: 0
 5-yr Growth Factor: 0

-----Geometry and Traffic-----

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	1	0	0	1	1	0	0	0	1	0	1
LaneUsage	L	T			T	R				L		R

-----Results-----

- Warrant 1: Eight-Hour Vehicular Volume []
 - 1 A. Minimum Vehicular Volumes []
 - 1 B. Interruption of Continuous Traffic []
 - 1 56% Vehicular --and-- Interruption Volumes []
- Warrant 2: Four-Hour Vehicular Volume
 - 2 A. Four-Hour Vehicular Volumes []
- Warrant 3: Peak Hour
 - 3 A. Peak-Hour Conditions []
 - 3 B. Peak-Hour Vehicular Volume Hours Met []
- Warrant 4: Pedestrian Volume
 - 4 A. Four Hour Volumes []
 - 4 B. One-Hour Volumes []
- Warrant 5: School Crossing
 - 5 A. Student Volumes []
 - 5 B. Gaps Same Period []
- Warrant 6: Coordinated Signal System
 - 6 Degree of Platooning []
- Warrant 7: Crash Experience
 - 7 A. Adequate trials of alternatives [X]

Analyst: AMW
 Agency: PB
 Date: 10/5/2015
 Project ID: District 10
 EW Street: Railroad Street

Intersection: KY 2486 at Railroad Street
 Jurisdiction: Powell County
 Units: U.S. Customary
 Analysis Year: 2015
 NS Street: KY 2486

-----General Information-----

Major St. Speed (mph): 0 Population: Less than 10000
 Nearest Signal (ft): 0 Coordinated Signal System: N
 Crashes per Yr: 5

-----School Crossing-----

Students in Highest Hour: 0
 Adequate Gaps in Period: 0
 Minutes in Period: 0

-----Roadway Network-----

Two Major Routes: 0
 Weekend Count: 0
 5-yr Growth Factor: 0

-----Geometry and Traffic-----

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	0	1	0	0	1	0	0	1	0	0	1	0
LaneUsage		T			T			T			T	

-----Results-----

- Warrant 1: Eight-Hour Vehicular Volume []
 - 1 A. Minimum Vehicular Volumes []
 - 1 B. Interruption of Continuous Traffic []
 - 1 56% Vehicular --and-- Interruption Volumes []
- Warrant 2: Four-Hour Vehicular Volume
 - 2 A. Four-Hour Vehicular Volumes []
- Warrant 3: Peak Hour []
 - 3 A. Peak-Hour Conditions []
 - 3 B. Peak-Hour Vehicular Volume Hours Met []
- Warrant 4: Pedestrian Volume []
 - 4 A. Four Hour Volumes []
 - 4 B. One-Hour Volumes []
- Warrant 5: School Crossing []
 - 5 A. Student Volumes []
 - 5 B. Gaps Same Period []
- Warrant 6: Coordinated Signal System []
 - 6 Degree of Platooning []
- Warrant 7: Crash Experience []
 - 7 A. Adequate trials of alternatives [X]

