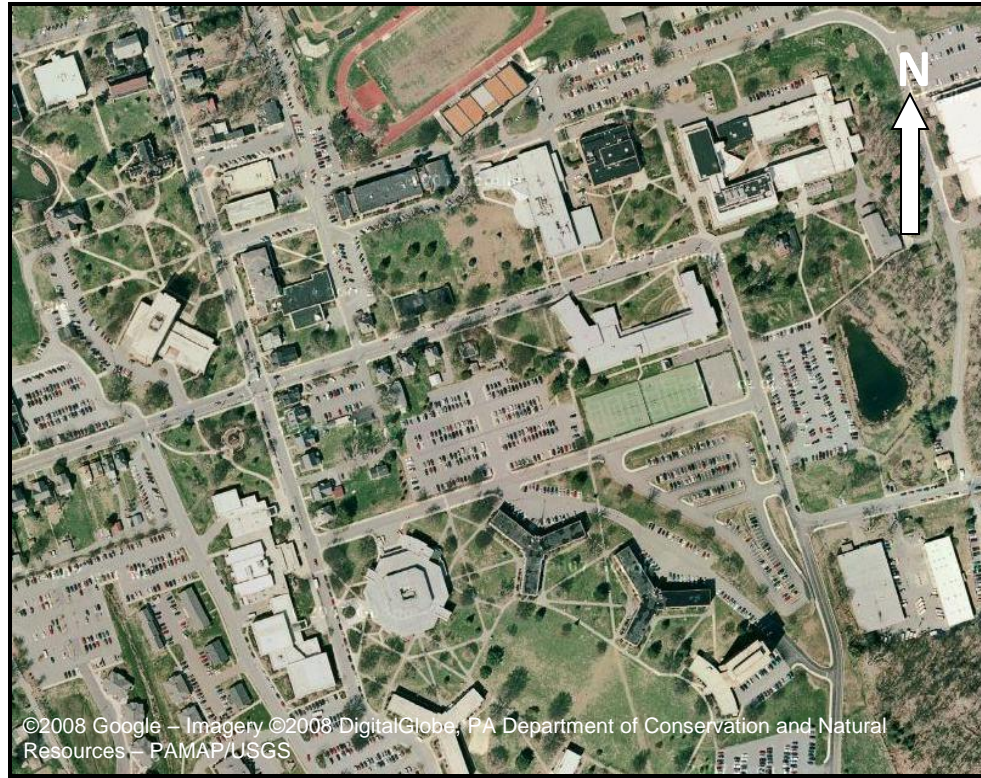
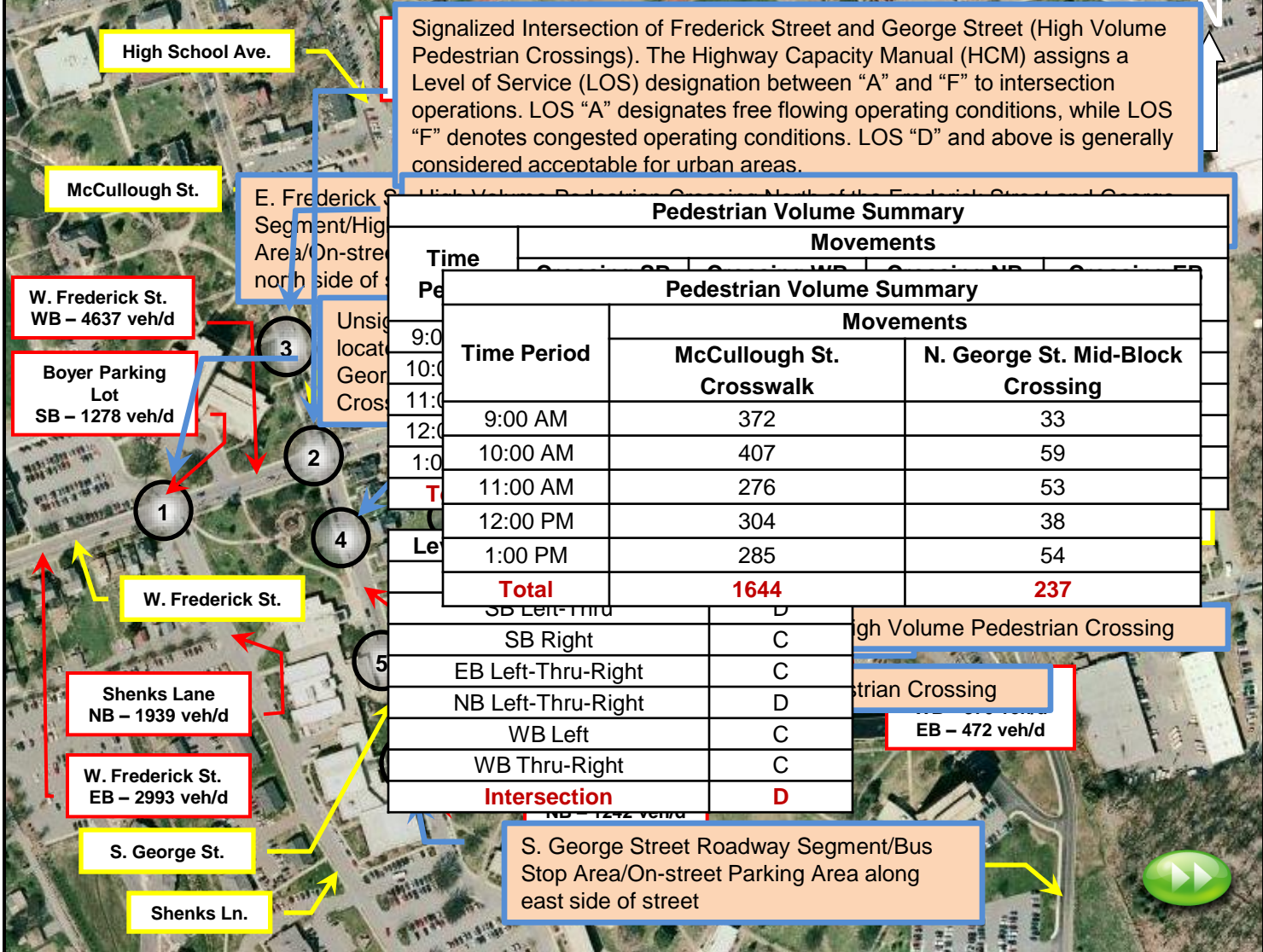


MILLERSVILLE UNIVERSITY: EAST FREDERICK STREET ABANDONMENT ALTERNATIVES ANALYSIS



EAST FREDERICK STREET ABANDONMENT ALTERNATIVES ANALYSIS: EXISTING CONDITIONS

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Signalized Intersection of Frederick Street and George Street (High Volume Pedestrian Crossings). The Highway Capacity Manual (HCM) assigns a Level of Service (LOS) designation between “A” and “F” to intersection operations. LOS “A” designates free flowing operating conditions, while LOS “F” denotes congested operating conditions. LOS “D” and above is generally considered acceptable for urban areas.

High Volume Pedestrian Crossings North of the Frederick Street and George Street Intersection

| Time | | Movements | |
|--------------|-------------|------------|--|
| 9:00 AM | 372 | 33 | |
| 10:00 AM | 407 | 59 | |
| 11:00 AM | 276 | 53 | |
| 12:00 PM | 304 | 38 | |
| 1:00 PM | 285 | 54 | |
| Total | 1644 | 237 | |

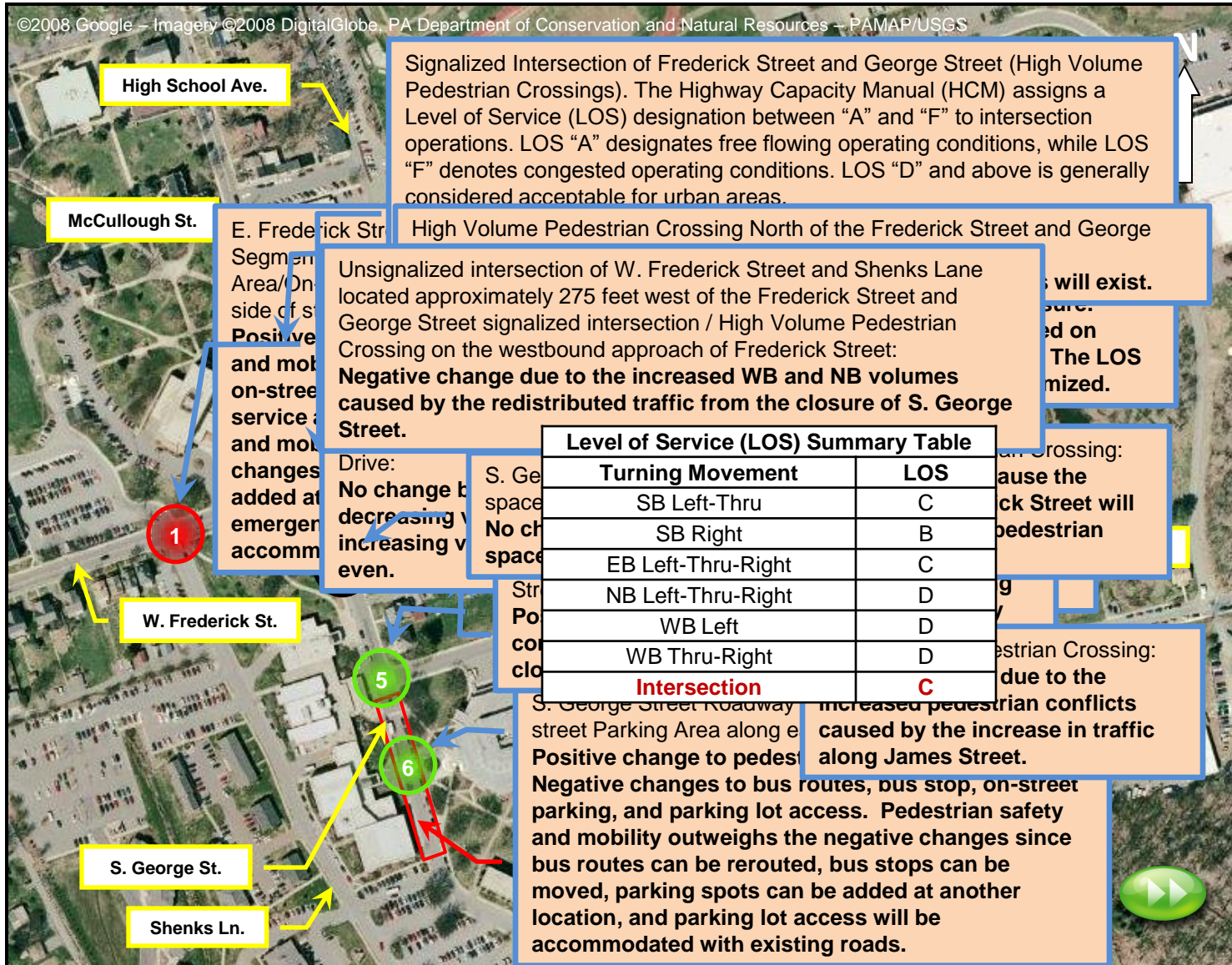
| Time Period | McCullough St. Crosswalk | N. George St. Mid-Block Crossing |
|--------------|--------------------------|----------------------------------|
| 9:00 AM | 372 | 33 |
| 10:00 AM | 407 | 59 |
| 11:00 AM | 276 | 53 |
| 12:00 PM | 304 | 38 |
| 1:00 PM | 285 | 54 |
| Total | 1644 | 237 |

| | | |
|---------------------|----------|---------------------------------|
| SB Left-Thru | C | High Volume Pedestrian Crossing |
| SB Right | C | |
| EB Left-Thru-Right | C | Pedestrian Crossing |
| NB Left-Thru-Right | D | |
| WB Left | C | EB – 472 veh/d |
| WB Thru-Right | C | |
| Intersection | D | |

S. George Street Roadway Segment/Bus Stop Area/On-street Parking Area along east side of street

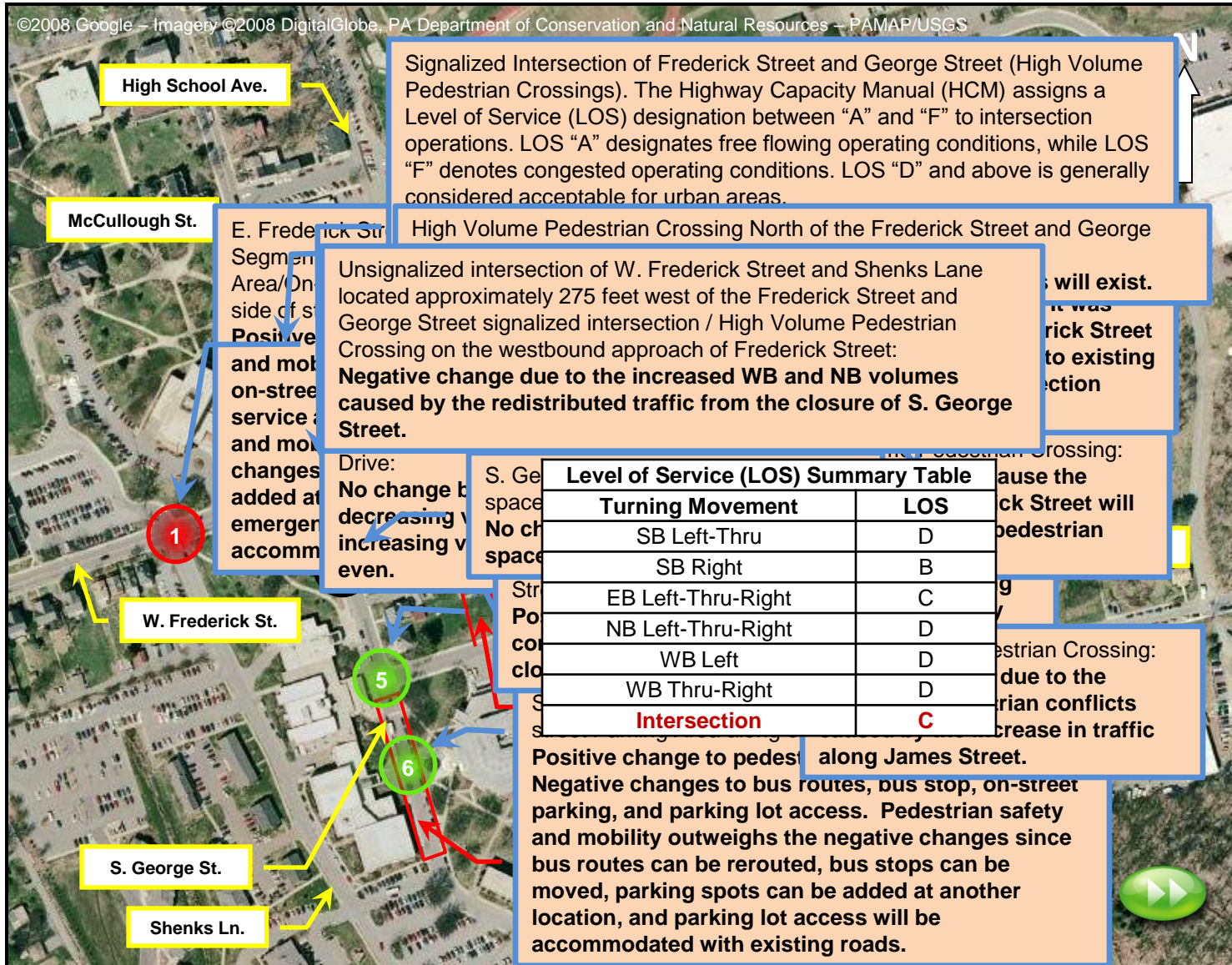
EAST FREDERICK STREET ABANDONMENT ALTERNATIVES ANALYSIS: ALTERNATIVE 1

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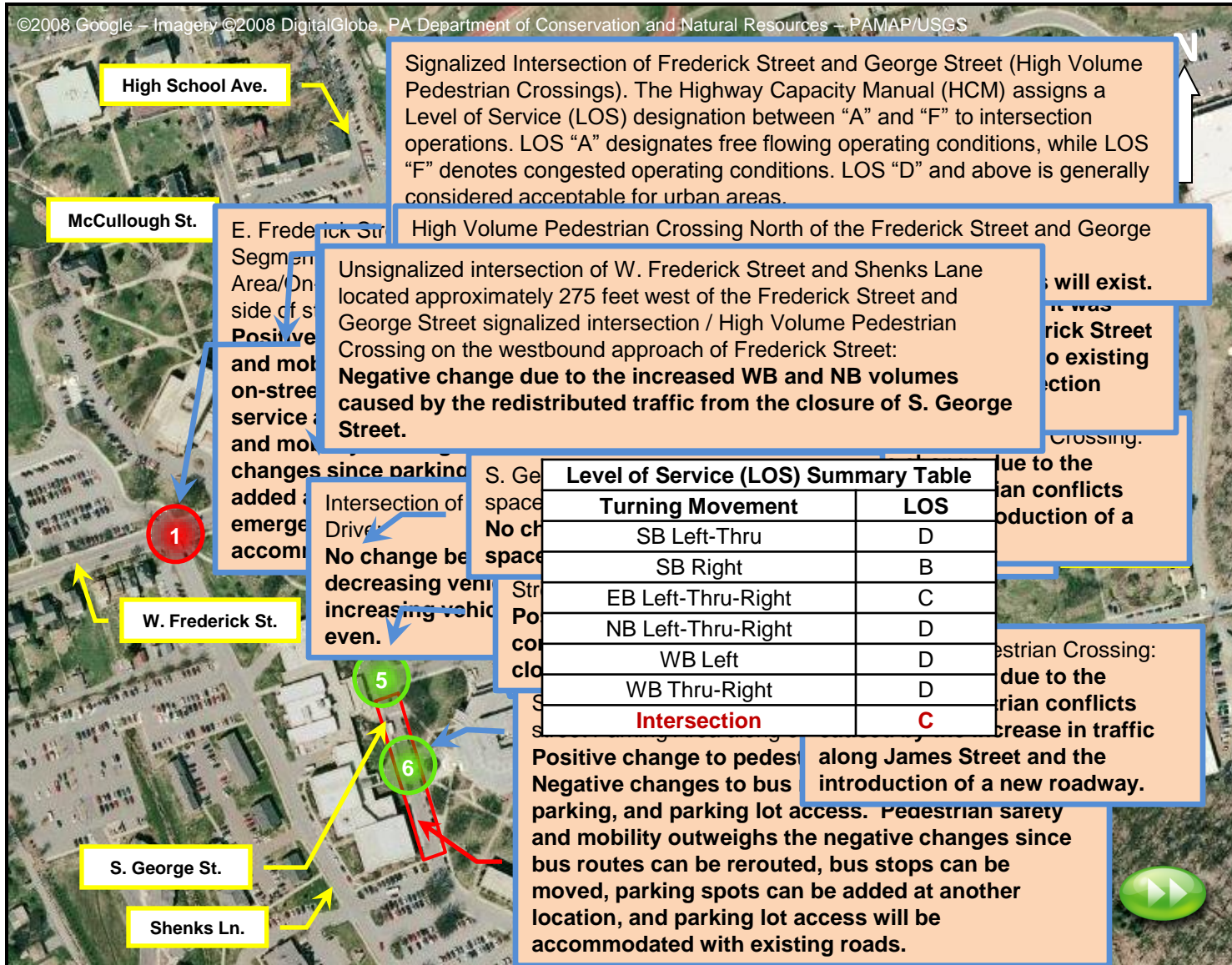
EAST FREDERICK STREET ABANDONMENT ALTERNATIVES ANALYSIS: ALTERNATIVE 2

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EAST FREDERICK STREET ABANDONMENT ALTERNATIVES ANALYSIS: ALTERNATIVE 3

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EAST FREDERICK STREET ABANDONMENT ALTERNATIVES ANALYSIS: ALTERNATIVE 1 WITH IMPROVEMENTS

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High School Ave.

McCullough St.

E. Frederick Street Segment Area/On side of street. No change in conditions.

Signalized Intersection of Frederick Street and George Street (High Volume Pedestrian Crossings). The Highway Capacity Manual (HCM) assigns a Level of Service (LOS) designation between “A” and “F” to intersection operations. LOS “A” designates free flowing operating conditions, while LOS “F” denotes congested operating conditions. LOS “D” and above is generally

High Volume Pedestrian Crossing North of the Frederick Street and George Street Intersection:

Unsignalized intersection of W. Frederick Street and Shenks Lane located approximately 275 feet west of the Frederick Street and George Street signalized intersection / High Volume Pedestrian Crossing on the westbound approach of Frederick Street:
Positive change with the implementation of a right turn lane on Shenks Lane.

described in
 or the
 a result,

W. Frederick St.

Intersection of James Street and S. George Street:
 Drive:
Positive change eastbound onto Creek Drive and vice versa on Creek Drive Street Intersection.

Level of Service (LOS) Summary Table

| Turning Movement | LOS |
|---------------------|----------|
| SB Left-Thru | D |
| SB Right | B |
| EB Left-Thru-Right | C |
| NB Left | D |
| NB Thru-Right | D |
| WB Left | D |
| WB Thru-Right | D |
| Intersection | C |

an Crossing:
 Alternative 1
 improvements.

Creek Dr.

pedestrian Crossing:
 by providing
 pedestrian crossings.

S. George St.

Shenks Ln.

Proposed Closure

Positive change after implementing new bus routes and/or creating a bus turn-around at the intersection of James Street and S. George Street.

