

BLUE BALL PROPERTIES

MASTER PLAN

Transportation Technical Committee Meeting
December 1, 1999

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Transportation Committee Meeting
Agenda

- I. Revised Meeting Schedule & Introduction
- II. Review of November 3, 1999 Meeting
- III. Status of Traffic Projections
- IV. Design Options at US 202 & Foulk Road
- V. Summary of Options Currently Being Considered
- VI. Key Questions & Preliminary Traffic Results
- VII. Evaluation Criteria
- VIII. Next Steps

I. Revised Meeting Schedule and Introduction

Revised Meeting Schedule

<u>Date</u>	<u>Time</u>	<u>Meeting</u>	<u>Location</u>
Wed., Dec. 1	4:30 p.m.	Parks	Bellevue Hall
Wed., Dec. 1	7:30 p.m.	Transport.	Bellevue Hall
Wed., Dec. 8	4:30 p.m.	Transport.	Brandywine HS
Wed., Dec. 8	7:00 p.m.	Town Mtg	Brandywine HS
Wed., Dec. 15	4:30 p.m.	Parks	Bellevue Hall
Wed., Dec. 15	7:30 p.m.	Transport.	Bellevue Hall
Wed., Dec. 22	4:30 p.m.	Transport.	Bellevue Hall
Wed., Dec. 29	4:30 p.m.	Transport.	Bellevue Hall
Wed., Jan. 5	4:30 p.m.	Transport.	Bellevue Hall
Wed., Jan. 5	7:30 p.m.	Parks	Bellevue Hall
Mon., Jan. 10	7:00 p.m.	Town Mtg	Brandywine HS

II. Review of November 3, 1999 Meeting

Review of November 3, 1999 Meeting

- Began with seven “families” of options
- Consensus was reached on:
 - required grade-separation at US 202 & Foulk Road
 - Dismissal of one-way pair concepts (II, III, IV)
 - Dismissal of Concept VII (too much land from AZ)
 - Retain for further study Concepts I, V, & VI
- Four options were shown at US 202 & Foulk Road

Route 141: Option I

Build new 2-way Alt. 141 w/jughandle at 202;
Retain existing 141 as 2-way road



Route 141: Option V

Widen Rockland Road w/ jughandle at 202;

Retain Existing 141 as 2-way Road.



Route 141: Option VI

New 2-way Alt. 141 w/fughandle at 202;

Close existing 141 to public within AZ site.



Major Comments from November 3, 1999 Meeting

- Allow as many movements as possible at all intersections
- “Share the burden” of traffic
- Consider other options at Augustine Cut-Off
- Committee generally opposed to “Upgrade Rockland Road” option (Concept V)
- Committee generally opposed to “Remove Existing Route 141” option (Concept VI)

III. Status of Traffic Projections

Status of Traffic Projections

- Peak hour traffic projections were developed using a combination of traffic data used for the AZ Traffic Impact Study (TIS), the Origin-Destination Study, and DelDOT's regional traffic model.
- Projections are still preliminary and must be updated based on updated TIS projections.

Status of Traffic Projections

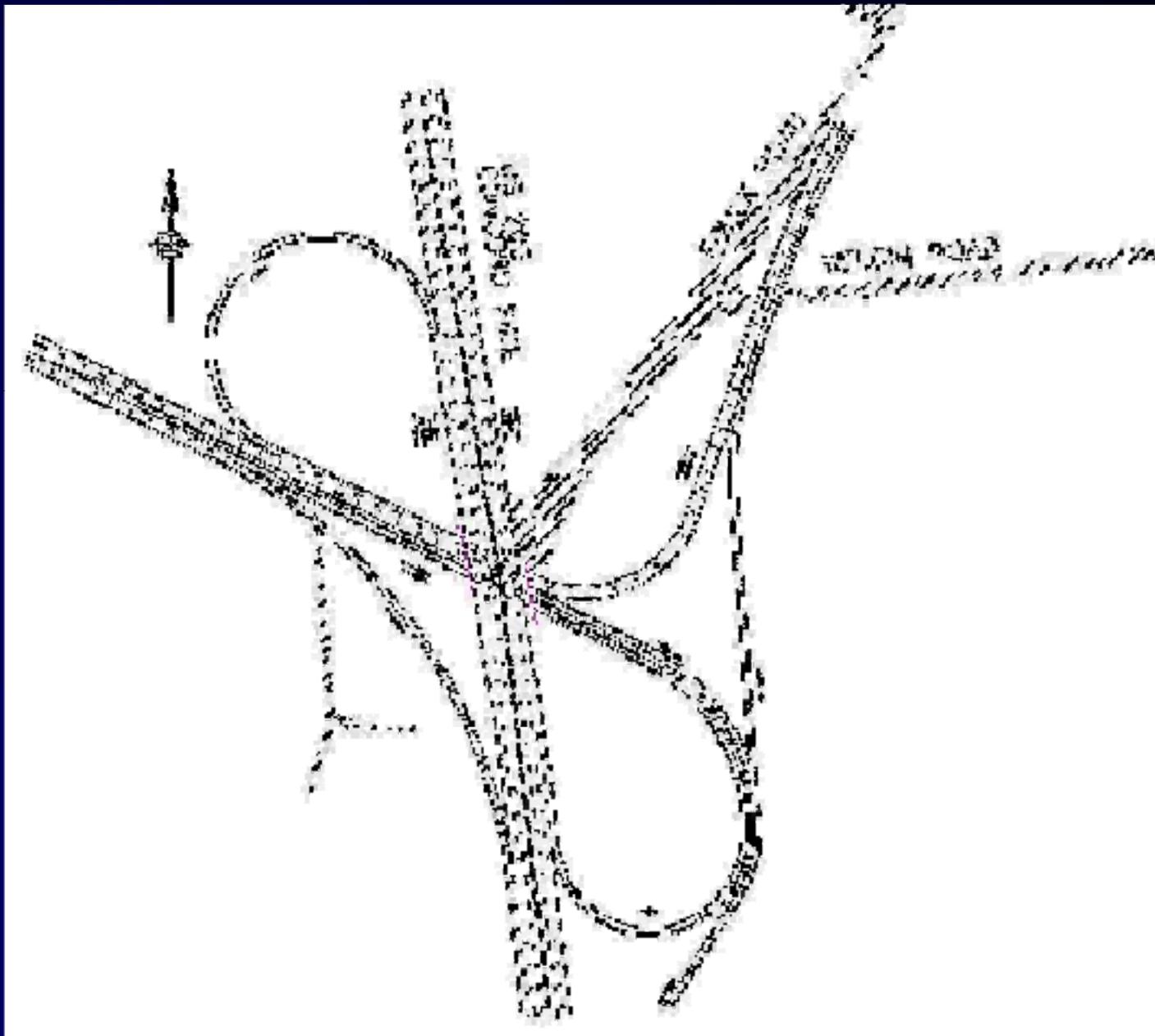
- Delay estimates presented tonight are based on the preliminary projections
- Final projections should not vary significantly from preliminary projections, and should be available in the next couple of weeks.

IV. Design Options at US 202 & Foulk Road

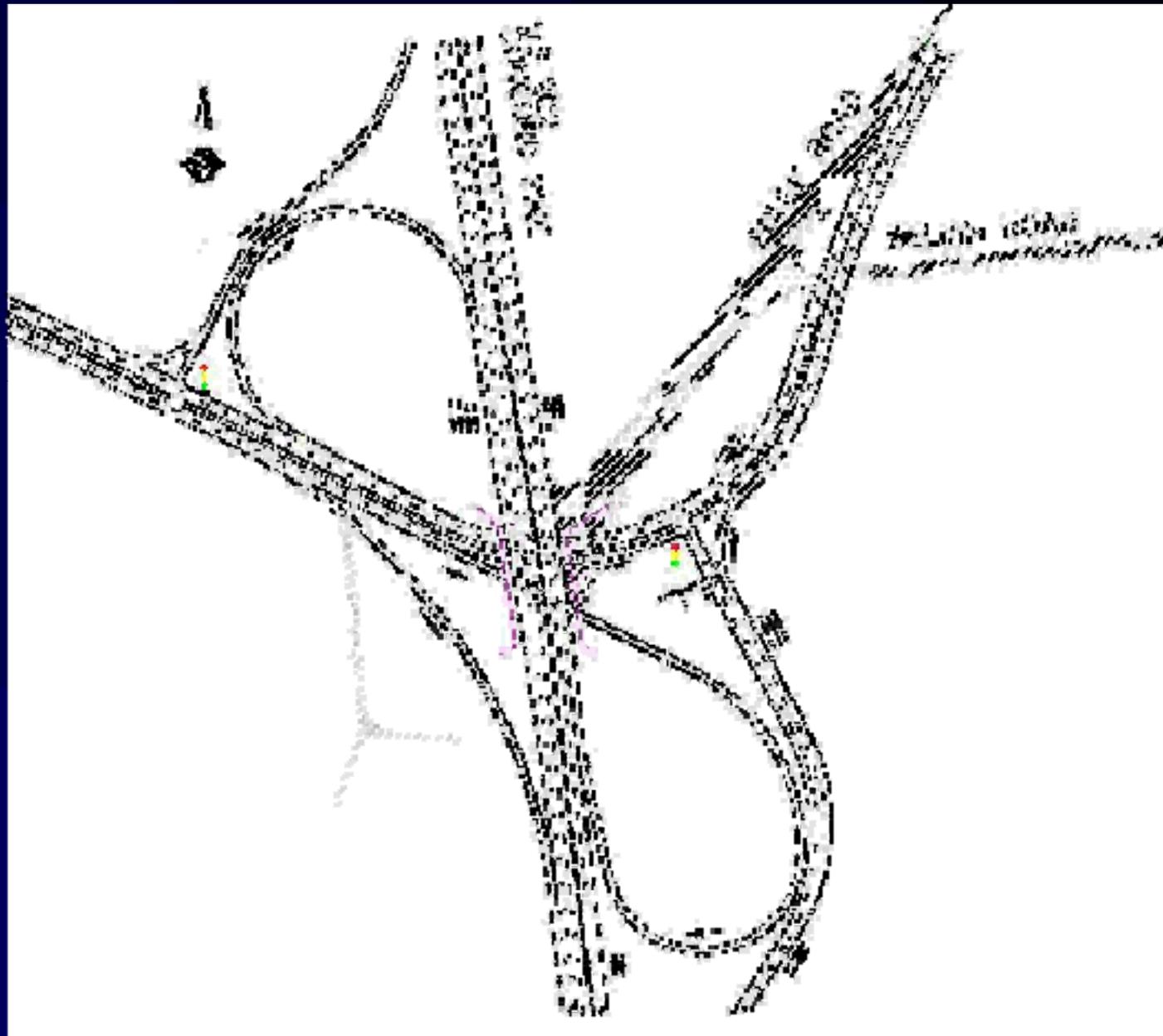
Design Options at Foulk Road

- Four options from November meeting have been condensed into two options:
 - Option 1A Modified (Fly-Under)
 - Option 4A Modified (Original Bow-Tie)
- Two new options were developed based on comments from the Transportation Committee, Policy Committee, and public:
 - Option 5 (New Bow-Tie)
 - Option 6 (Diamond)

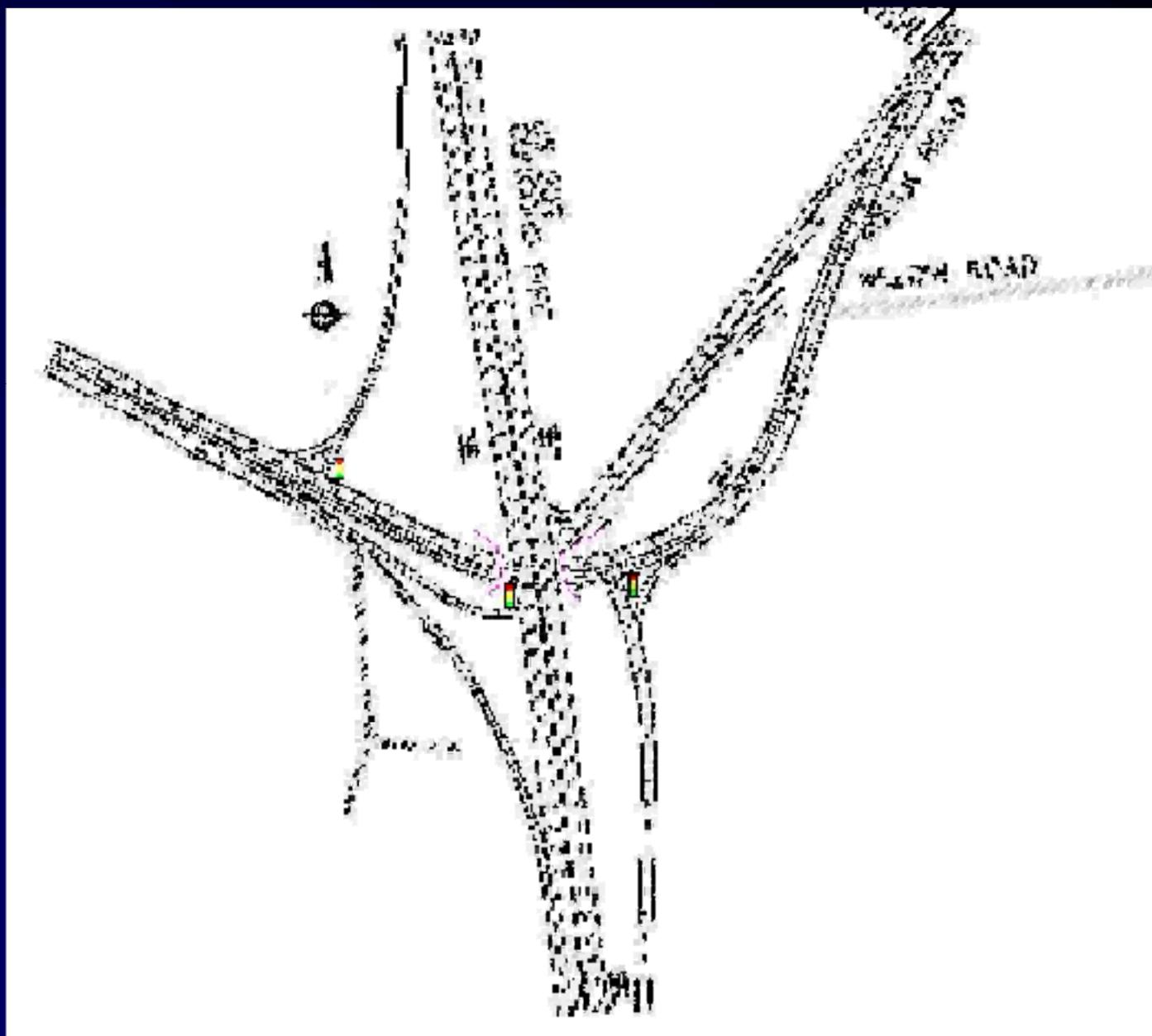
Option 4 Modified (Original Bow-Tie)



Option 5 (New Bow-Tie)



Option 6 (Diamond)



Key Questions

Question 3: Can any families be dismissed due to fatal traffic flaws?

Answer 3: Yes, Concept V, the Upgrade of Rockland Road.

ROCKLAND ROAD UPGRADE OPTION AT CHILDRENS DRIVE INTERSECTIONS

Average Intersection Delay (seconds per vehicle)

Intersection	1999 Existing ¹		2010 No-Build ²		2010 Build Options ³	
	AM	PM	AM	PM	AM	PM
Existing Rt 141 & Childrens Drive	23	27	58	71	155-166	153-158
Rockland Road & Childrens Drive	18	13	27	14	267-276	283-298

Note 1: Roadway geometry before safety project

Note 2: Roadway geometry after safety project; traffic projections DO NOT include AZ or Dipout

Note 3: Build options valid for "Keep Existing Rt 141 Open" only, and valid for any intersection design at Folk Rd

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NOTE! Agenda items in red were not covered at the meeting due to time constraints. The associated slides are therefore not included.