



# WHITEMUD DRIVE PLANNING STUDY UPDATE

# WELCOME

## Whitemud Drive Planning Study Update

Anthony Henday Drive to 231 Street

April 23, 2014





# MEETING PURPOSE

The purpose of this meeting is to gather your thoughts about updates to the Whitemud Drive concept plan between Anthony Henday Drive and 231 Street.



**Have Your Say!**

Please respond to the questionnaire to share your input



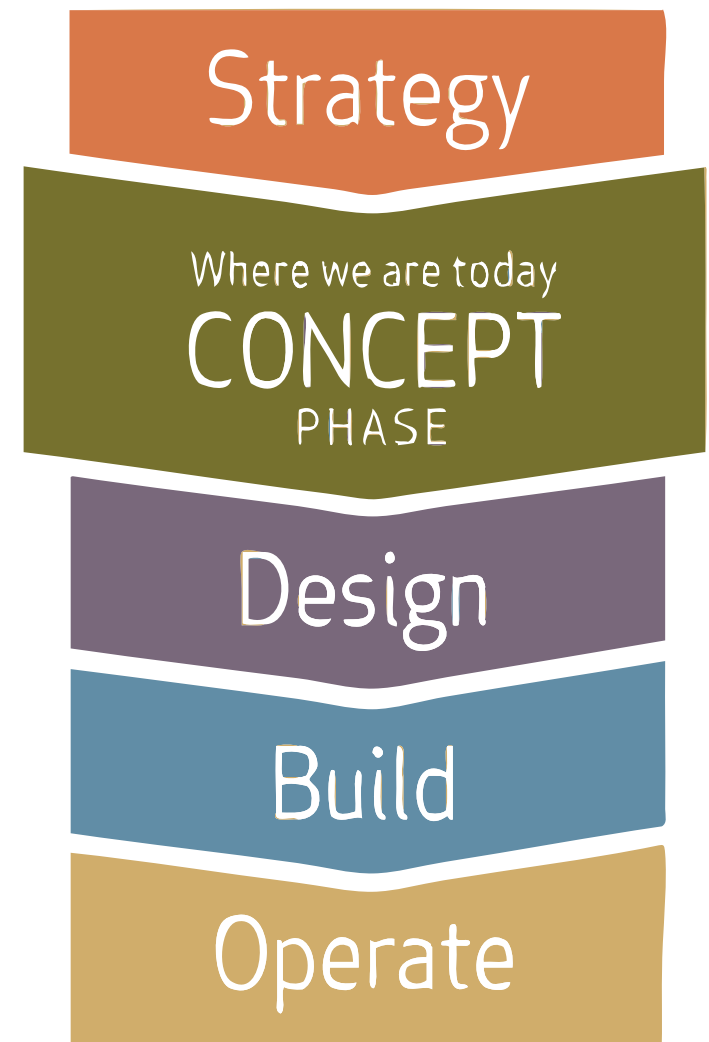
# PROJECT PURPOSE

## **The purpose of this study is to:**

- Update the previous concept plan for Whitemud Drive between Anthony Henday Drive and 231 Street
- Accommodate future needs of this corridor including traffic, development and utilities
- Develop a long-term plan that can be staged for implementation over the next 30 years

## **Whitemud Drive requires upgrades to:**

- Meet current freeway standards
- Improve connection to 215 Street
- Accommodate existing and future traffic growth
- Maintain consistency with Whitemud Dr. east of Anthony Henday Dr.





# TRAFFIC VOLUMES AND COMPOSITION

## Traffic along Whitemud Drive:

- Originates from both adjacent areas and the greater transportation network.
- Consists of commuter and goods movement vehicles.
- Currently exceeds 20,000 vehicles per day.
- Is expected to double with future development and growth.



Passenger vehicles: 95%



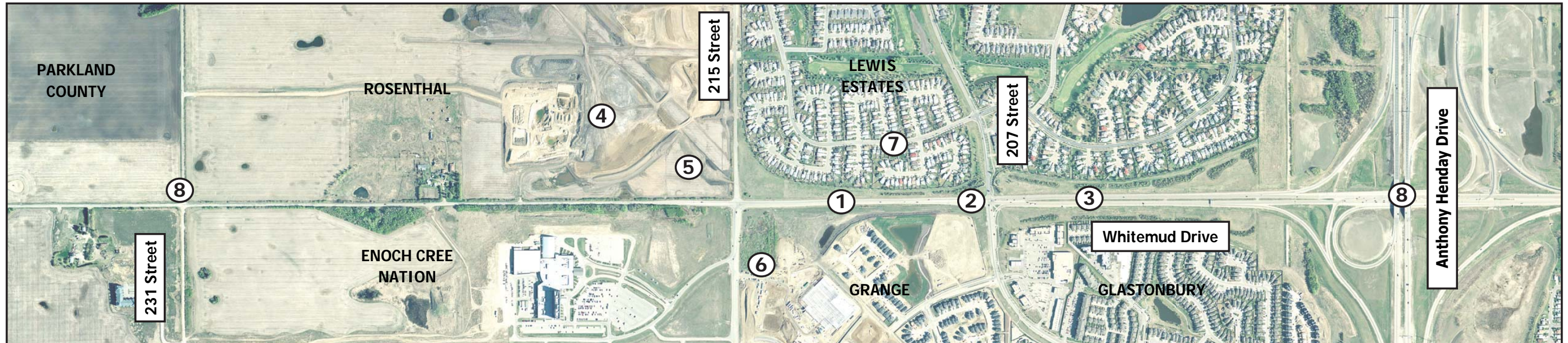
Large Trucks: 4%



Bus / RV: 1%



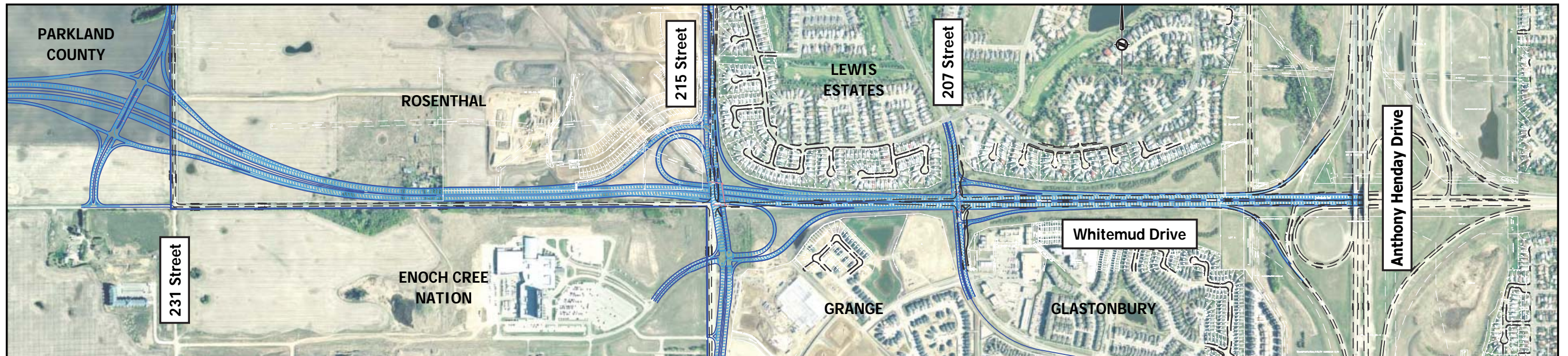
# KEY ISSUES AND CONSTRAINTS



1. Freeway standards (speed, interchange spacing)
2. Current and projected traffic operations
3. Existing roadway profile (elevation)
4. Future land use and development
5. Constrained road right-of-way
6. Access to businesses and residences
7. Noise and community impacts
8. Alberta Transportation jurisdiction



# PREVIOUS CONCEPT PLAN



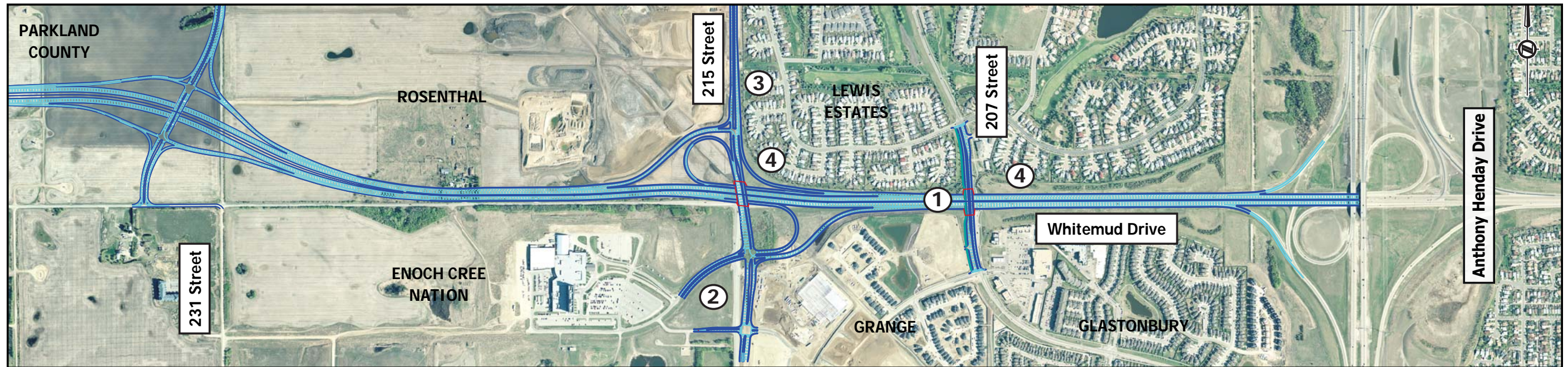
Interchanges were identified at 215 Street (Winterburn Road) and 207 Street (Lewis Estates Boulevard/Guardian Road). The interchanges at 231 Street and Anthony Henday Drive are under Alberta Transportation jurisdiction.

## Reasons to revisit previous plans:

- The intensity of commercial development in the area has changed
- Ongoing development has put pressure on the surrounding road network
- A better understanding of the future construction staging and timing for upgrades is required
- A review of opportunities to mitigate impacts to surrounding communities is required



# RECOMMENDED LONG TERM PLAN



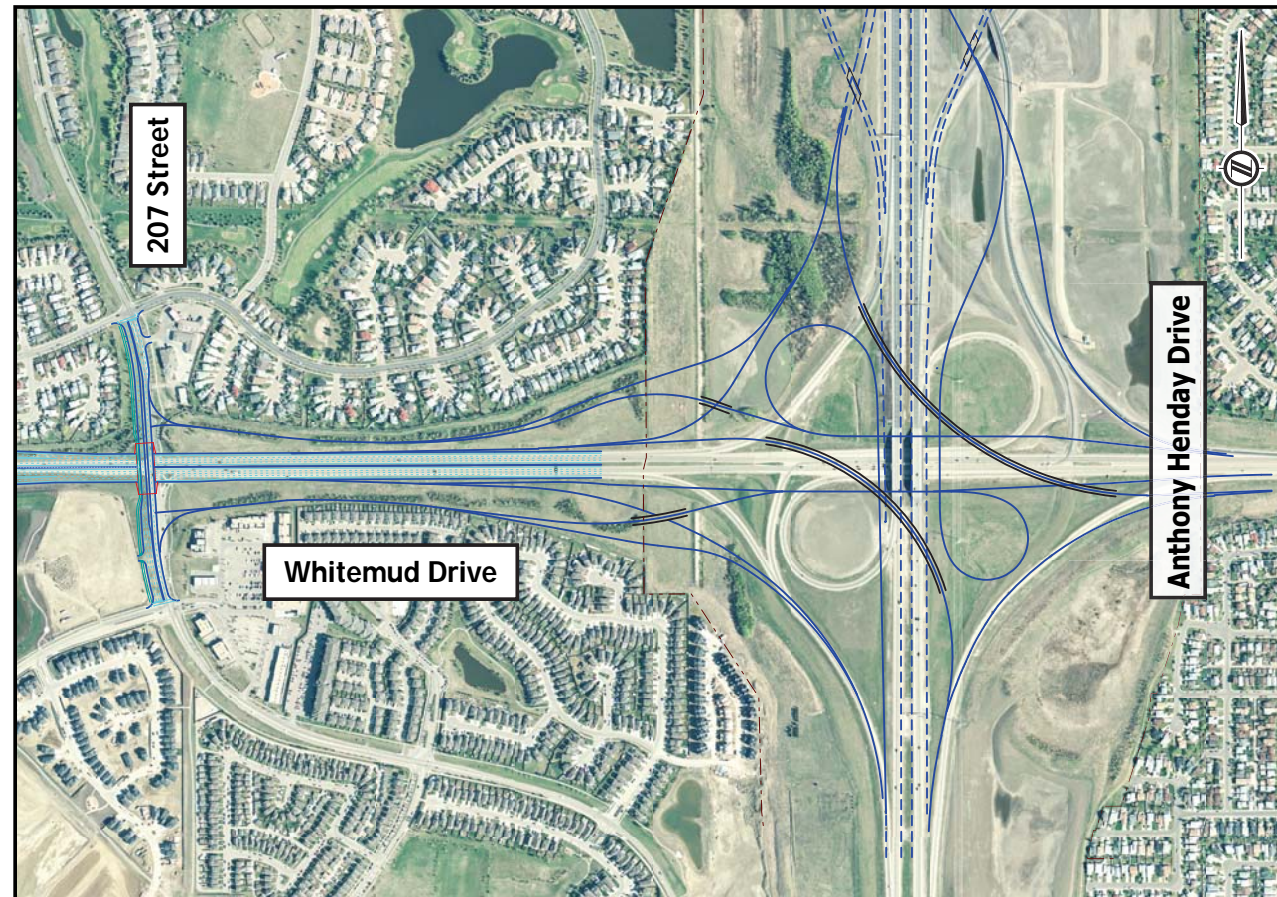
The interchanges at 215 Street (Winterburn Road) and 207 Street (Lewis Estates Boulevard/Guardian Road) were modified to better address the future needs of the corridor.

## What's changed from the previous concept plan?

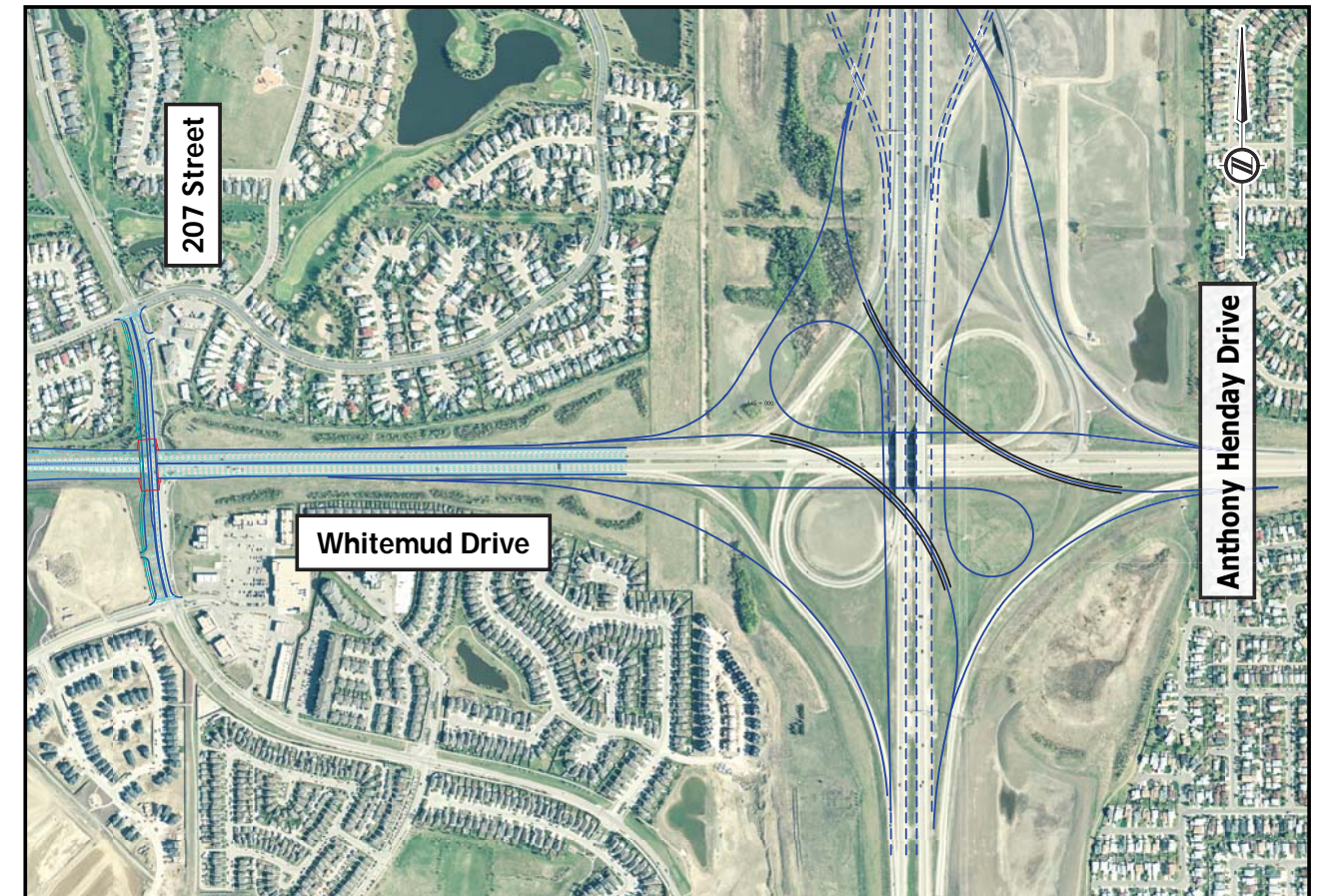
1. Flyover at 207 Street
2. Modified Enoch access south of Whitemud Drive
3. Reduced number of lanes for ultimate 215 Street compared to previous concept
4. Distance from ramps to property lines increased to ease adjacent community impacts



# FUTURE ANTHONY HENDAY DRIVE



**Previous Concept Plan**



**Updated Concept Plan**

- Previous concept plan required extra ramps to accommodate weaving in the ultimate stage
- Updated concept eliminates the need for extra ramps and increases distance from neighbouring communities
- Updated concept will save millions in infrastructure costs and months of delay due to construction





# HIGHLIGHTS OF THE RECOMMENDED PLAN

## **The updated plan:**

- Improves accommodation of future traffic volumes
- Better accommodates future Anthony Henday Drive interchange
- Maintains a connection between Lewis Estates and Glastonbury
- Plans for future construction staging to respond to incremental traffic volume increases as they occur
- Mitigates noise and other impacts on adjacent businesses and communities



# ALTERNATE ACCESS ROUTES

Reduced access to/from Whitemud Drive at 207 Street will require use of alternate routes as well as additional network connections.

## How do I get there?

Access routes to **Lewis Estates**/**Glastonbury** will include:

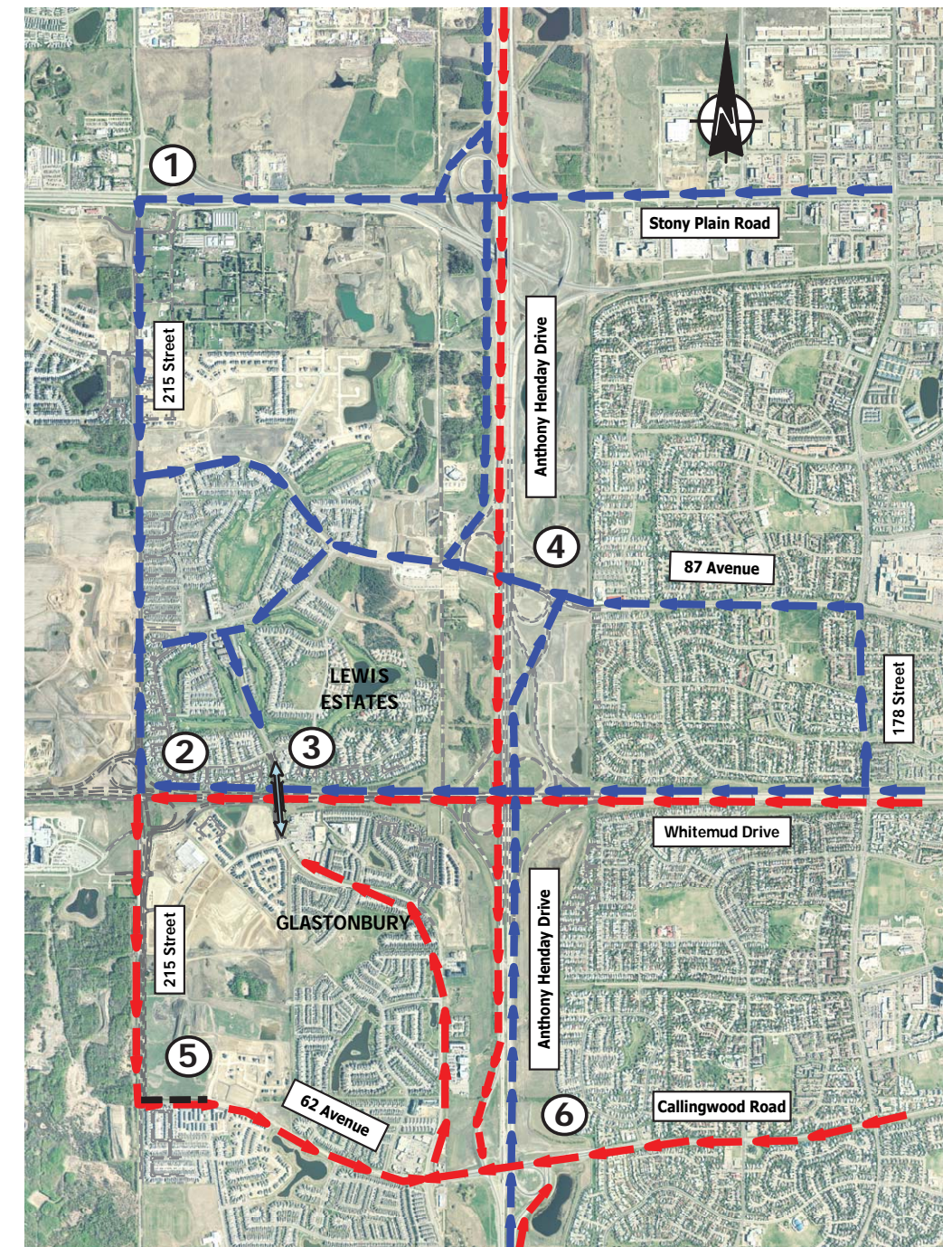
1. Interchange from Stony Plain Road at Winterburn Road/215 St
2. Interchange from Whitemud Drive at 215 Street
3. Fly-over bridge from Lewis Estates Blvd/Guardian Rd
4. Interchange at Anthony Henday Drive and 87 Avenue
5. Connection from 62 Avenue to 215 Street
6. Interchange at Anthony Henday Drive and Callingwood Road

Have  
Your Say



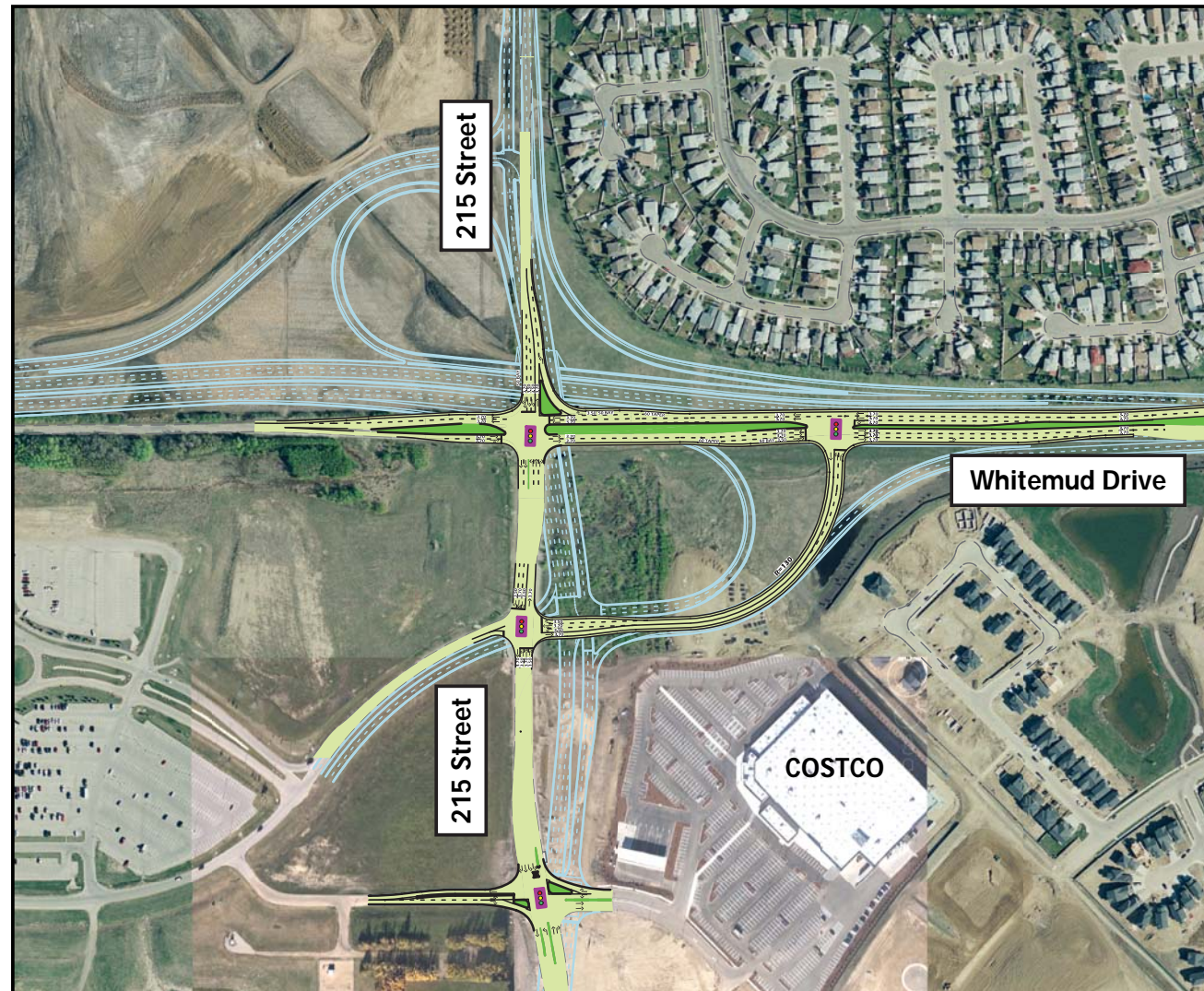
## Have Your Say!

Please respond to the questionnaire to provide your thoughts on these options

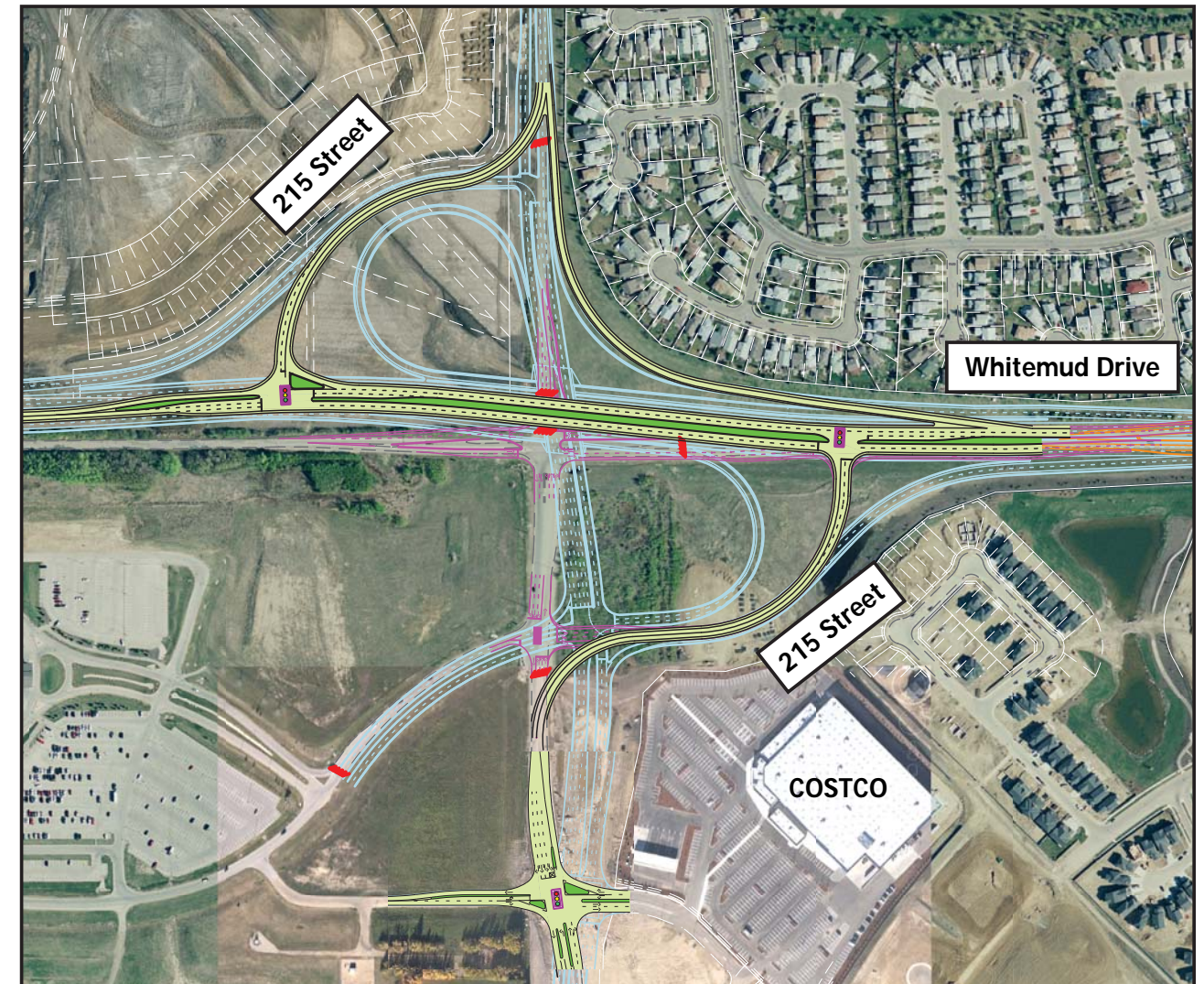




# RECOMMENDED INTERIM STAGES



An interim stage is recommended to be built within five years to separate left turn movements at 215 Street until the interchange is required.



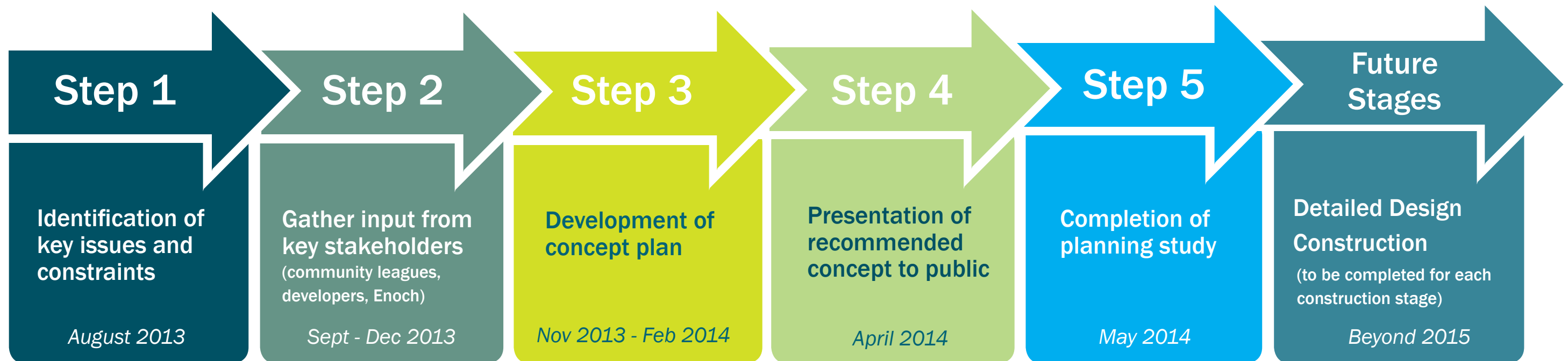
During construction of the 215 Street interchange, the existing 215 Street intersection will be relocated further west for a short period to divert traffic away from the construction zone.

The realigned 215 Street will follow the ultimate interchange ramps to avoid throw away construction





# PROJECT TIMELINE







# CONSTRUCTION TIMELINES

Construction of upgrades to Whitemud Drive will be prioritized according to future development and traffic growth along the corridor.

There is no funding in place for construction of the upgrades to Whitemud Drive at this time.

**This project is at the planning stage and therefore exact construction timelines are unknown**



# THANK YOU

## Tell us how we did!

Please complete a questionnaire or, if you prefer, take one to fill in and submit by May 9. Questionnaires are available online and can be submitted through mail, fax or email.

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