

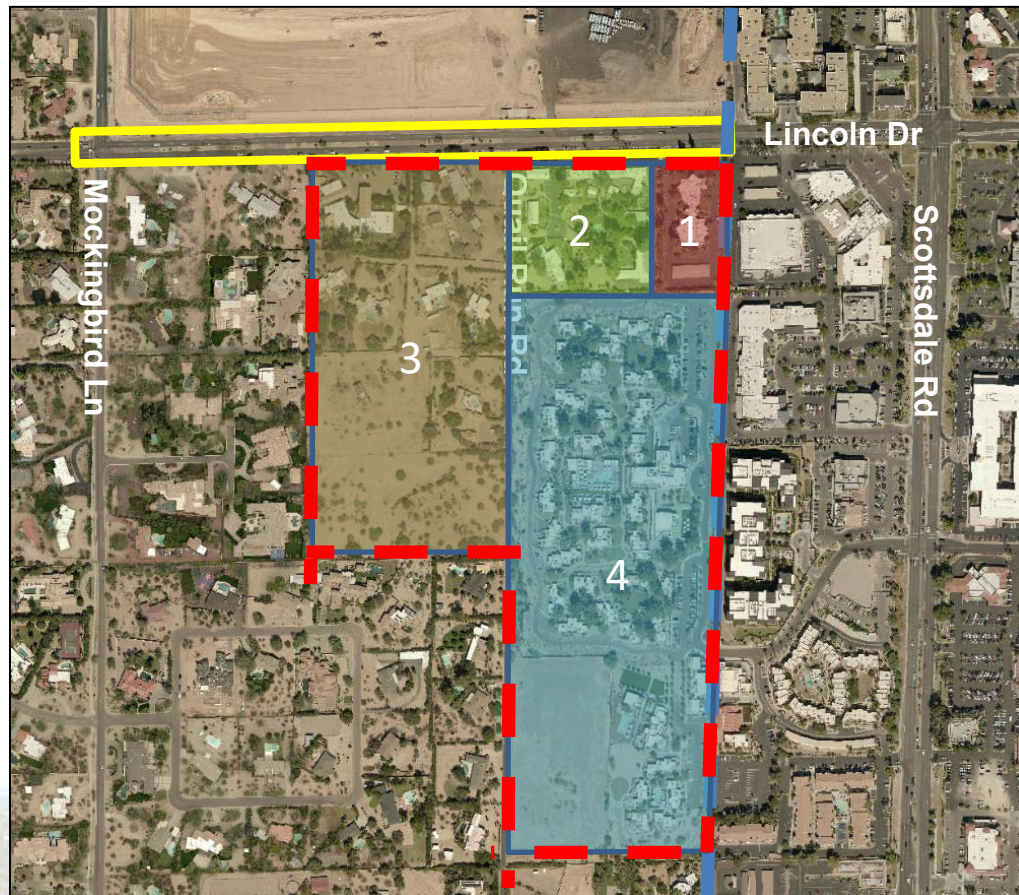
TOWN OF PARADISE VALLEY

Lincoln Drive Median Improvements

March 28, 2019



PROJECT LIMITS



Town Limits



Project Limits



**South Lincoln
Development Area**



1	Lincoln Medical Plaza
2	Smoke Tree Resort
3	South Lincoln Development
4	Andaz Resort



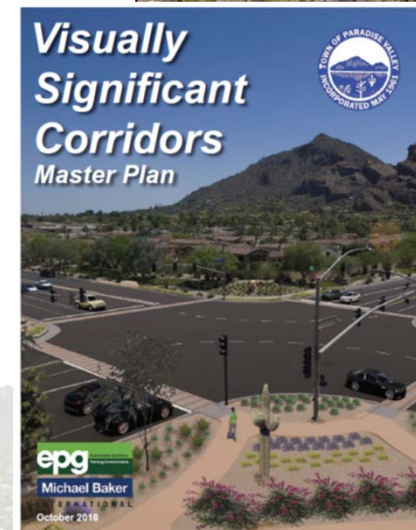
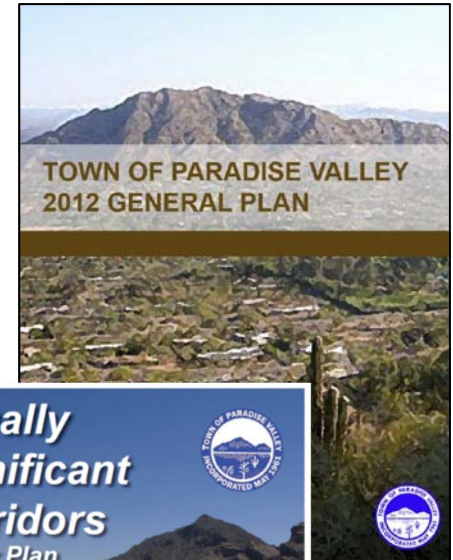
PROJECT SCOPE

- **Reconstruct Lincoln Drive between Mockingbird Lane and Town Limits**
- **Improvement include:**
 - Landscaped Medians
 - Traffic Signal at Quail Run
 - Sewer Line Extension
 - Meandering Sidewalks
 - Landscaping
 - Drainage Structures



DESIGN CONSIDERATIONS

- What drives design?
 - General Plan, specifically Mobility Element
 - Five Star Development Agreement
 - Engineering Standards (AASHTO, CoS, MCDOT)
 - Visually Significant Corridors Master Plan
 - Ultimate Buildout of Corridor



LINCOLN MEDIAN ACCESS: TIMELINE

September 13, 2018 Town Council Meeting

- Lincoln Roadway Improvements 30% Design Concept Outlined
- Median improvements necessary regardless of development on south side of Lincoln Dr.
- Full Median from Mockingbird to Town Limits
- Westbound Left In Only at Applewood Pet Resort's East Entrance
- Staff to research safe access options for Lincoln Medical Plaza and Smoke Tree Resort

December 6, 2018 Town Council Work Study

- Left In/Left Out for Applewood Pet Resort at East Entrance
- Option #1: Left In/Left Out for both Lincoln Medical Plaza & Smoke Tree Resort
- Option #2: Shared Access (Left In/Left Out) for Lincoln Medical Plaza & Smoke Tree Resort
- Option #3: Raised Median (Right In/Right Out Only) for Lincoln Medical Plaza & Smoke Tree Resort



LINCOLN MEDIAN ACCESS: TIMELINE

January 24, 2019 Town Council Work Study

- Left In/Left Out for Applewood Pet Resort at West Entrance
- Shared Access for Lincoln Medical Plaza & Smoke Tree Resort To Accommodate Vehicle Storage & Deceleration
- Evaluate 40mph Speed Limit
- Evaluate Pedestrian Safety
- Provide Median Options from Mockingbird Lane to Quail Run Road
- Provide Full Median Options
- Provide Two Way Left Turn Lane Option for Smoke Tree Resort & Lincoln Medical Plaza Access

February 28, 2019 Town Council Meeting

- Eliminate Full Median Options
- Left In Left In/Left Out for Applewood Pet Resort at West Entrance Only
- Applewood Pet Resort Left In/Left Out Access and Left In Only Access for Gordon Residence
- Applewood Pet Resort Left In/Left Out Access and Shared Left In Only Access for Gordon/Verma Residences
- Shared Left In Only Access for Lincoln Medical & Smoke Tree Resort
- Shared Left In/Left Out Access for Lincoln Medical & Smoke Tree Resort
- Left In/Left Out Access for Smoke Tree Resort and Right In/Right Out Access for Lincoln Medical
- Two Way Left Turn Lane Option for Smoke Tree Resort & Lincoln Medical Access
- Potential Inbound and Outbound Traffic Distribution with Restricted Access
- No Further Discussion of Speed Limit Reduction from 40 mph to 35 mph



KIMLEY-HORN FIELD OBSERVATIONS

Kimley-Horn conducted field observations on Tuesday October 30th during the morning (7:30am to 8:30am) and evening from (4:30pm to 5:45pm). Key observations:

- Eastbound traffic backed up past both Lincoln Medical Plaza entrances and the eastern Smoke Tree Resort entrance.
- Three of these events were observed in the AM peak hour and five were observed in the PM peak hour.
- Traffic backup occurred in inner most eastbound lane.
- Outside lane was free flowing.
- Eastbound traffic that was backed up provided gaps for left turning vehicles which caused “near miss collisions”.
- Staff has observed these backups at off peak hours between 11:30am and 1:00pm.



KIMLEY-HORN FIELD OBSERVATIONS

Eastbound Lincoln Drive traffic backup past Smoke Tree Resort eastern entrance.



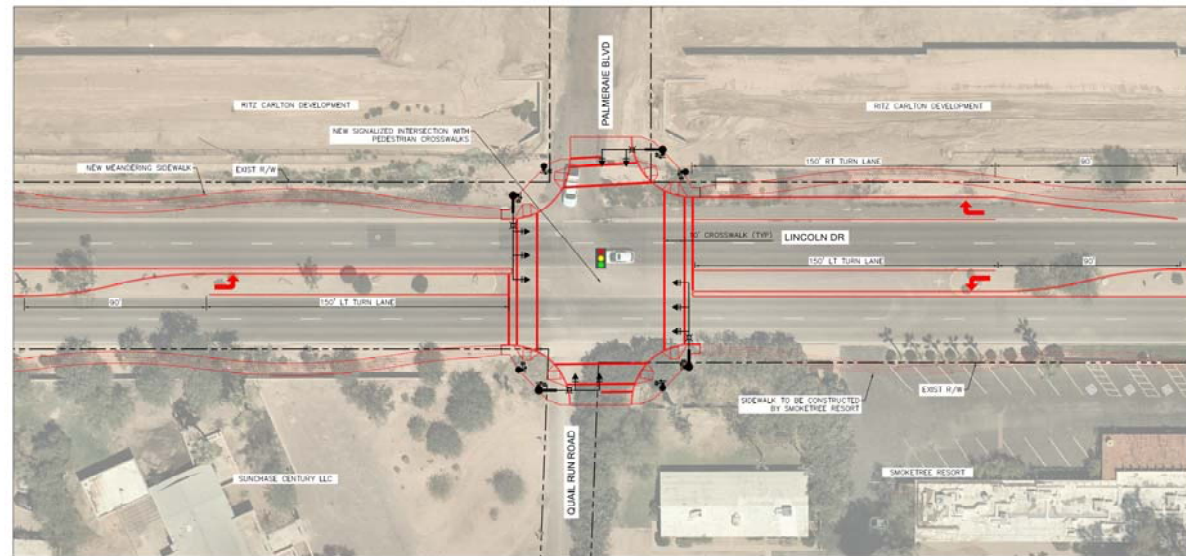
Police Department Five Year Accident Data Showed 20 Accidents between Mockingbird and Town Limits on Lincoln Dr.

- 7 accidents west of Quail Run Rd.
- 3 accidents at Quail Run Rd.
- 10 Accidents east of Quail Run Rd.



PEDESTRIAN SAFETY

The Lincoln Roadway Improvements will include meandering sidewalks on both the north and south sides of Lincoln Dr. as well as a signalized intersection at Quail Run Rd. with crosswalks. The Smoke Tree Resort and Lincoln Medical redevelopment projects will include sidewalks with their respective construction.



LEGEND

NEW SIGNAL WITH PEDESTRIAN CROSSING
NOTE: SIGNAL AND PEDESTRIAN DESIGN IS
SHOWN FOR CONCEPTUAL PURPOSES ONLY.

LINCOLN DRIVE AND QUAIL RUN RD
PEDESTRIAN SAFETY

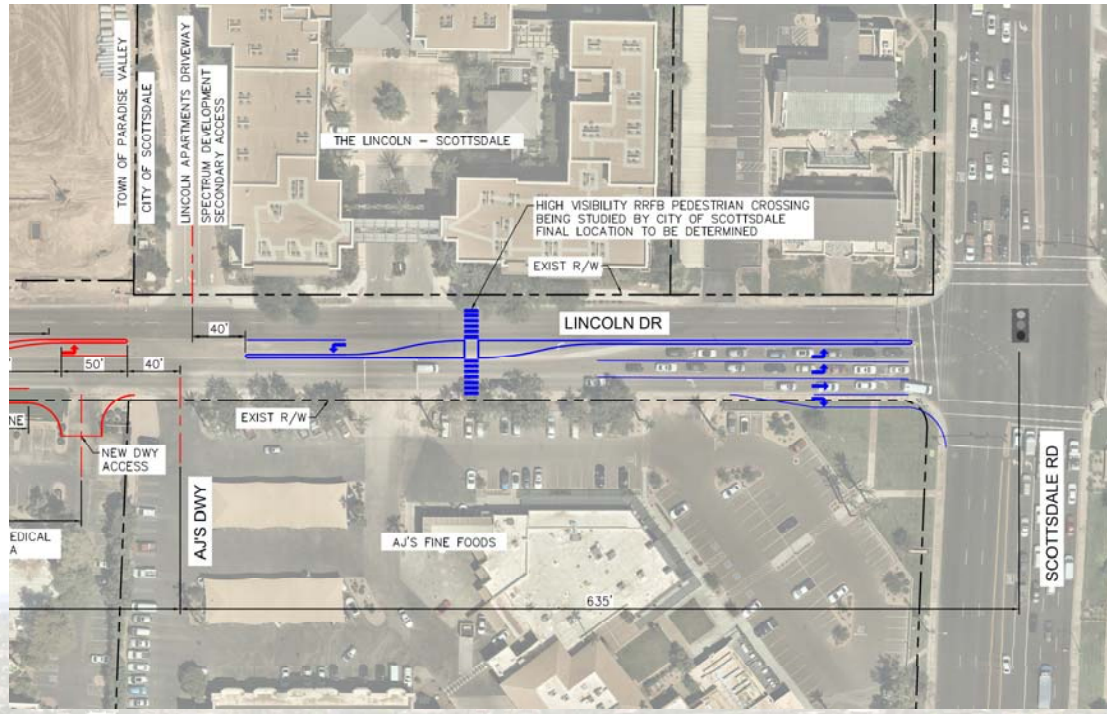
GRAPHIC SCALE IN FEET
0 10 20 30
02/2019



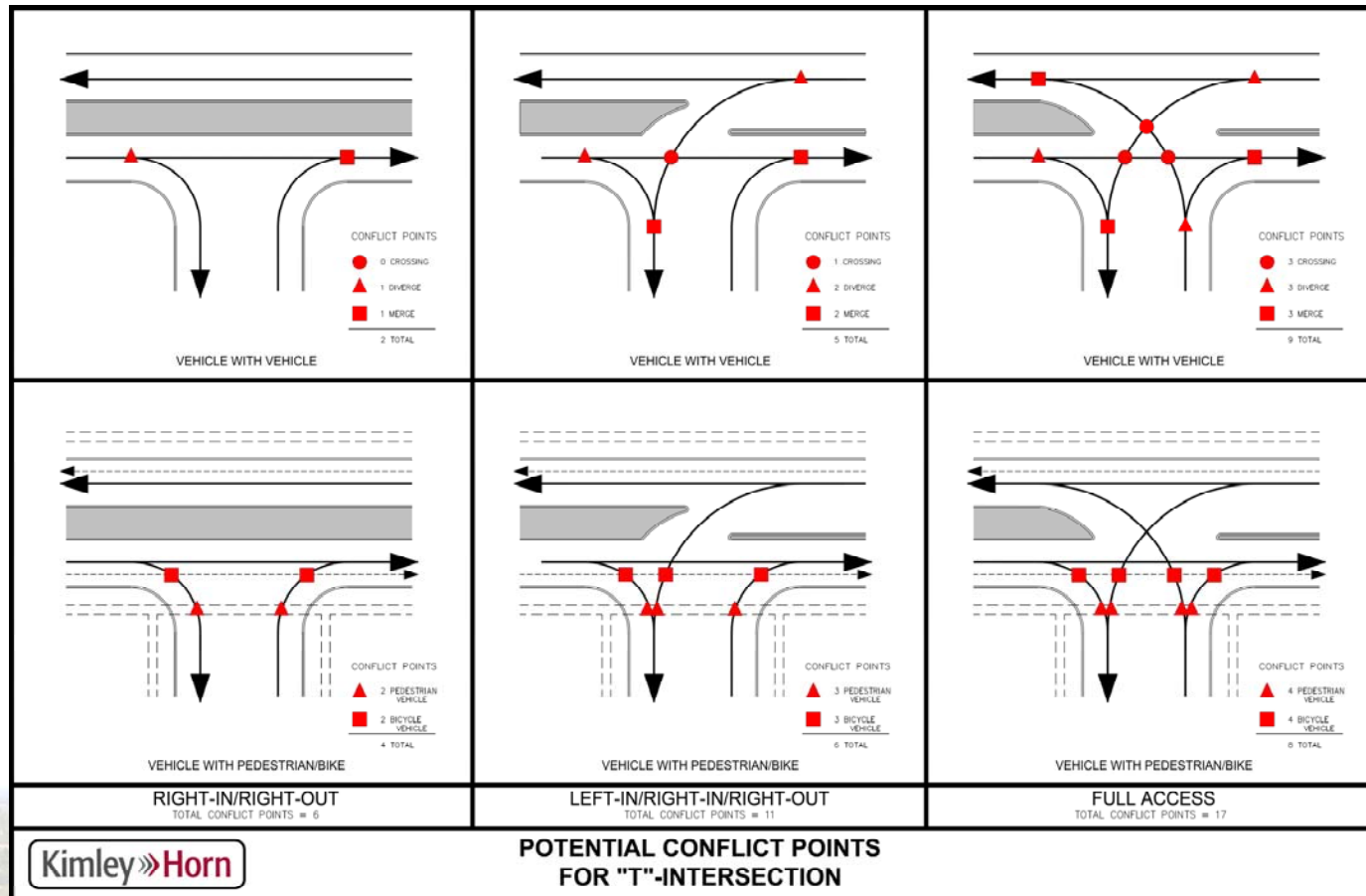
PEDESTRIAN SAFETY

Potential City of Scottsdale Median and Crosswalk Improvements

- Extend Median Across Lincoln Apartment's and AJ's Center Entrances
- Provide Pedestrian Crosswalk with Median Refuge and Rectangular Rapid Flash Beacon (RRFB)

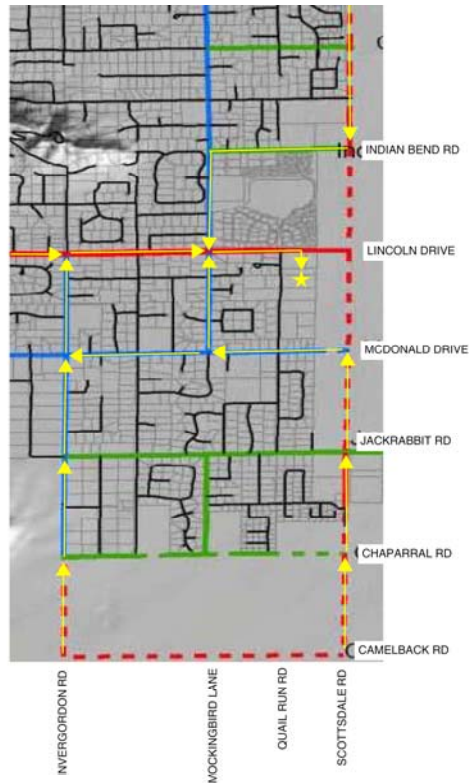


POTENTIAL CONFLICT POINTS



INBOUND CIRCULATION – RESTRICTED TURNING

12



- Potential redistribution of inbound traffic for restricted right in/right out turning movements
- Travel routes shown utilize major arterial, minor arterial and collector roadways.
- No U-turns recommended on Lincoln Dr. due to limited roadway width.
- Drivers may try to find shortcuts

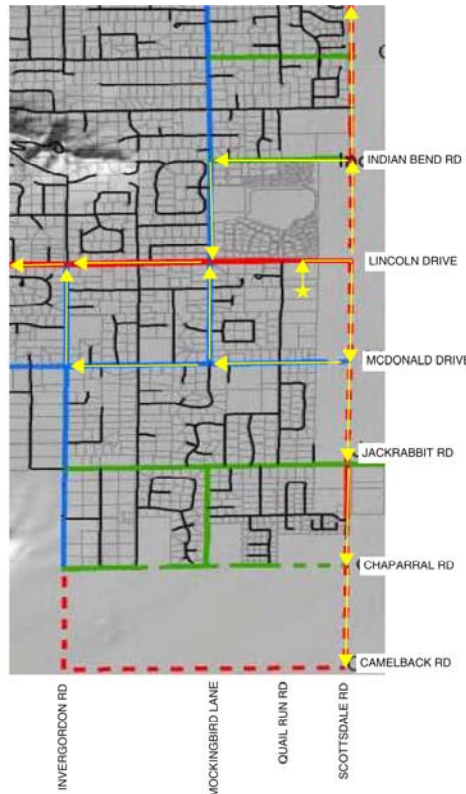


LEGEND

- ★ SITE LOCATION
- DIRECTION OF TRAVEL
- MAJOR ARTERIAL
- MINOR ARTERIAL
- COLLECTOR
- LOCAL



OUTBOUND CIRCULATION – RESTRICTED TURNING 13



- Potential redistribution of inbound traffic for restricted right in/right out turning movements
- Travel routes shown utilize major arterial, minor arterial and collector roadways.
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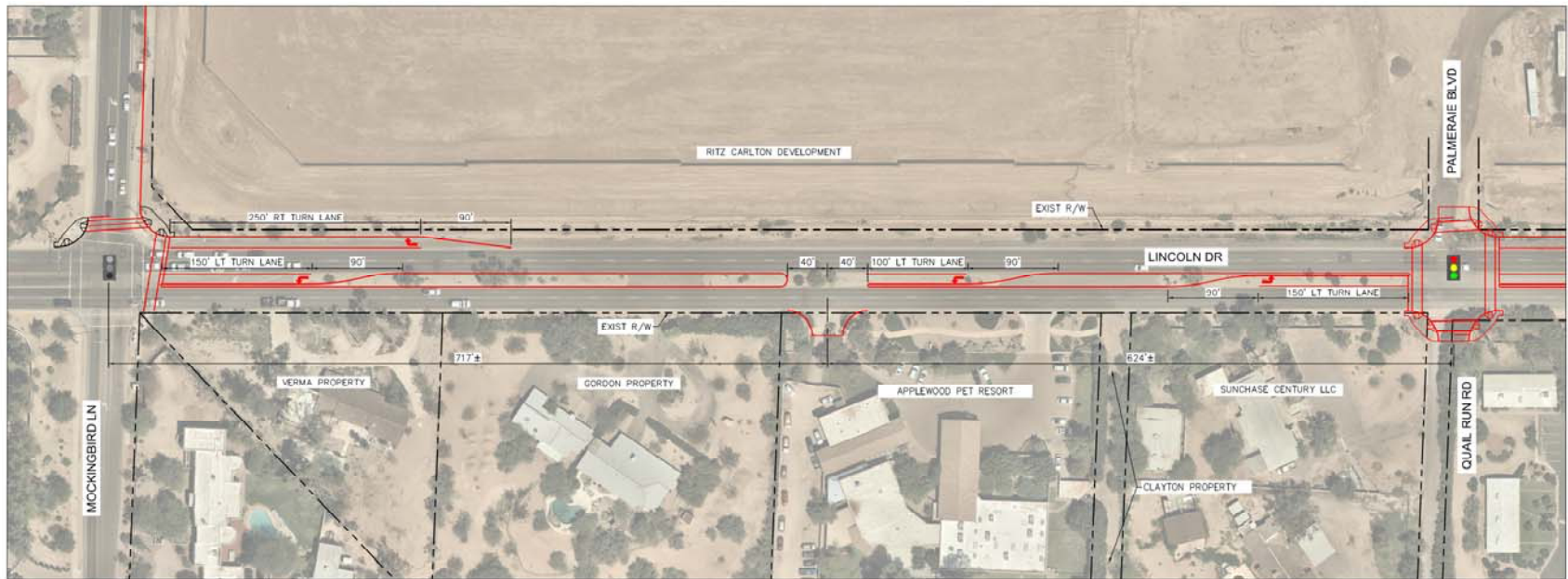
LEGEND

- ★ SITE LOCATION
- ➡ DIRECTION OF TRAVEL
- MAJOR ARTERIAL
- MINOR ARTERIAL
- COLLECTOR
- LOCAL



MOCKINGBIRD LN. TO QUAIL RUN RD.

14



LEGEND

-  EXISTING SIGNAL WITH PEDESTRIAN CROSSING
-  NEW SIGNAL WITH PEDESTRIAN CROSSING

Option #1



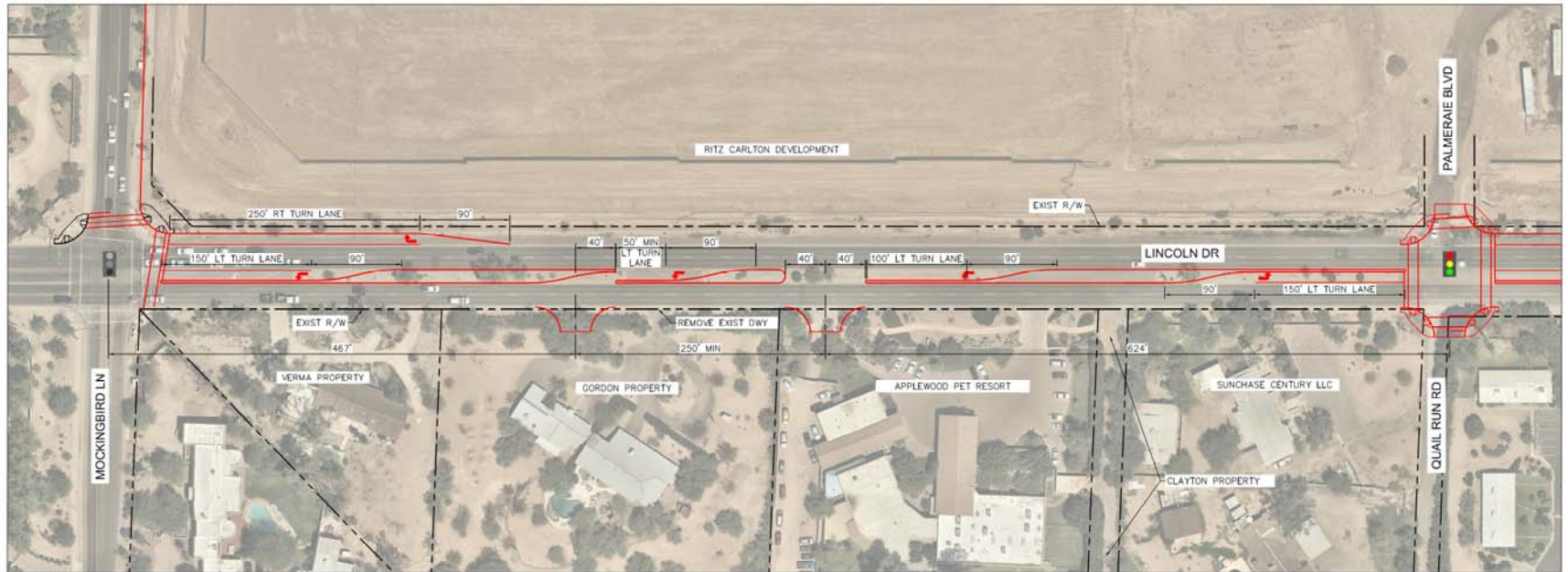
Kimley»Horn

LINCOLN DRIVE - MOCKINGBIRD LN TO QUAIL RUN RD
(FULL ACCESS MEDIAN BREAK AT APPLEWOOD WESTERN DRIVEWAY)


GRAPHIC SCALE IN FEET
0 20 50 100
02/2019

MOCKINGBIRD LN. TO QUAIL RUN RD.

15



LEGEND

-  EXISTING SIGNAL WITH PEDESTRIAN CROSSING
-  NEW SIGNAL WITH PEDESTRIAN CROSSING
-  LIMITS FOR LEFT IN / RIGHT IN / RIGHT OUT ONLY
-  NO MEDIAN BREAKS

Option #2



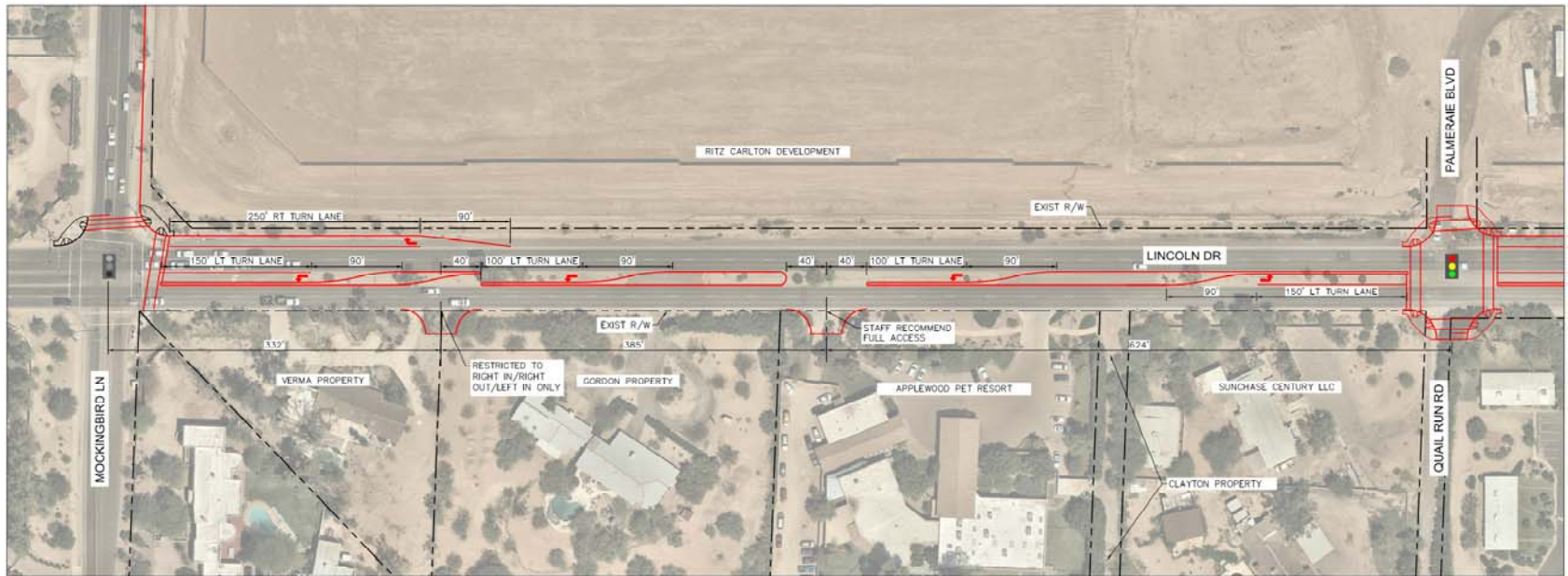
Kimley»Horn

LINCOLN DRIVE - MOCKINGBIRD LN TO QUAIL RUN RD
(LEFT IN / RIGHT IN / RIGHT OUT MEDIAN BREAK AT GORDON DRIVEWAY)

GRAPHIC SCALE IN FEET
0 20 50 100
02/2019

MOCKINGBIRD LN. TO QUAIL RUN RD.

16



LEGEND

- EXISTING SIGNAL WITH PEDESTRIAN CROSSING
- NEW SIGNAL WITH PEDESTRIAN CROSSING

Option #3



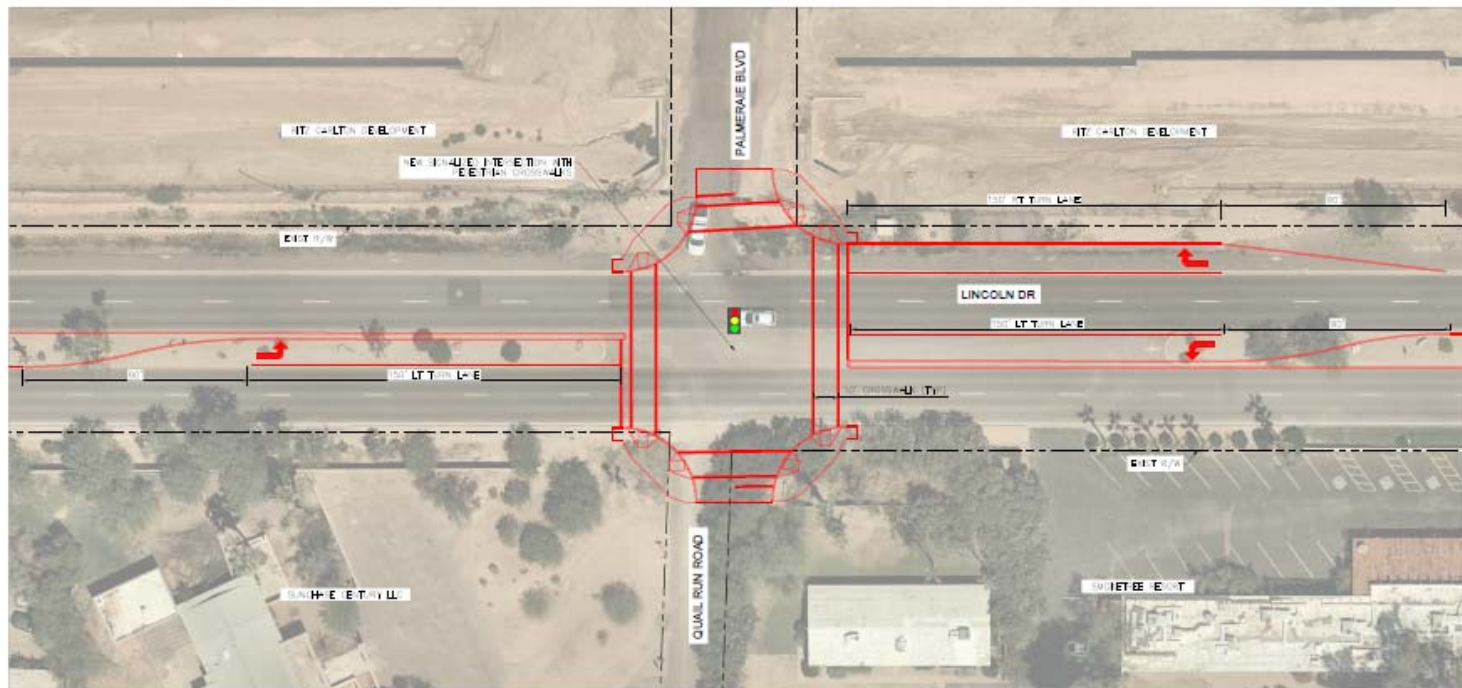
Kimley»Horn

LINCOLN DRIVE - MOCKINGBIRD LN TO QUAIL RUN RD
(LEFT IN / RIGHT IN / RIGHT OUT SHARED ACCESS MEDIAN BREAK AT VERMA/GORDON PROPERTY LINE)

GRAPHIC SCALE IN FEET
0 25 50 100
02/2019

LINCOLN DR. & QUAIL RUN RD. INTERSECTION

17



LEGEND

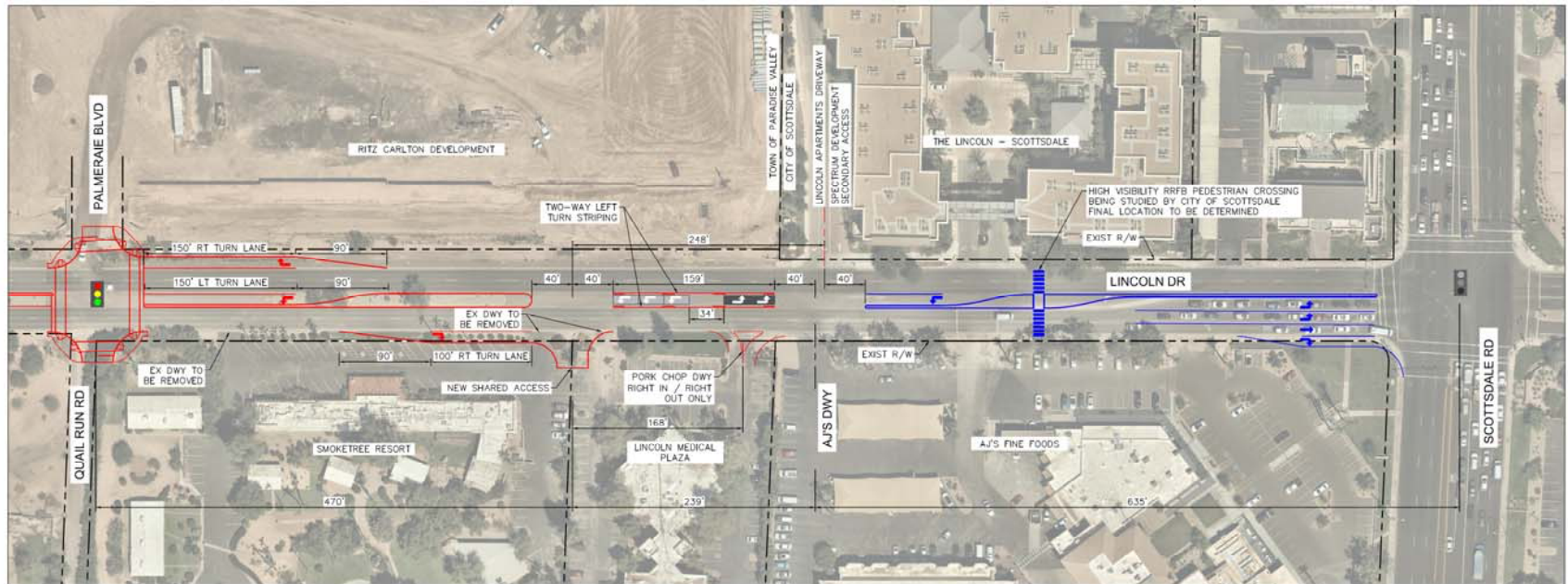
 TRAFFIC SIGNAL WITH LEFT-TURN CROSSING



LINCOLN DRIVE AND QUAIL RUN RD
INTERSECTION IMPROVEMENTS

GRAPHIC SCALE IN FEET
02/2019

QUAIL RUN RD. TO SCOTTSDALE RD.



LEGEND

- EXISTING SIGNAL WITH PEDESTRIAN CROSSING
- NEW SIGNAL WITH PEDESTRIAN CROSSING
- TOWN OF PARADISE VALLEY IMPROVEMENTS
- CITY OF SCOTTSDALE POTENTIAL IMPROVEMENTS

- WESTBOUND LEFT TURN PEAK VEHICLE STORAGE
- EASTBOUND LEFT TURN PEAK VEHICLE STORAGE

27 Conflict Points

Option #1 (reduced standards) - Lincoln Medical Preferred Option

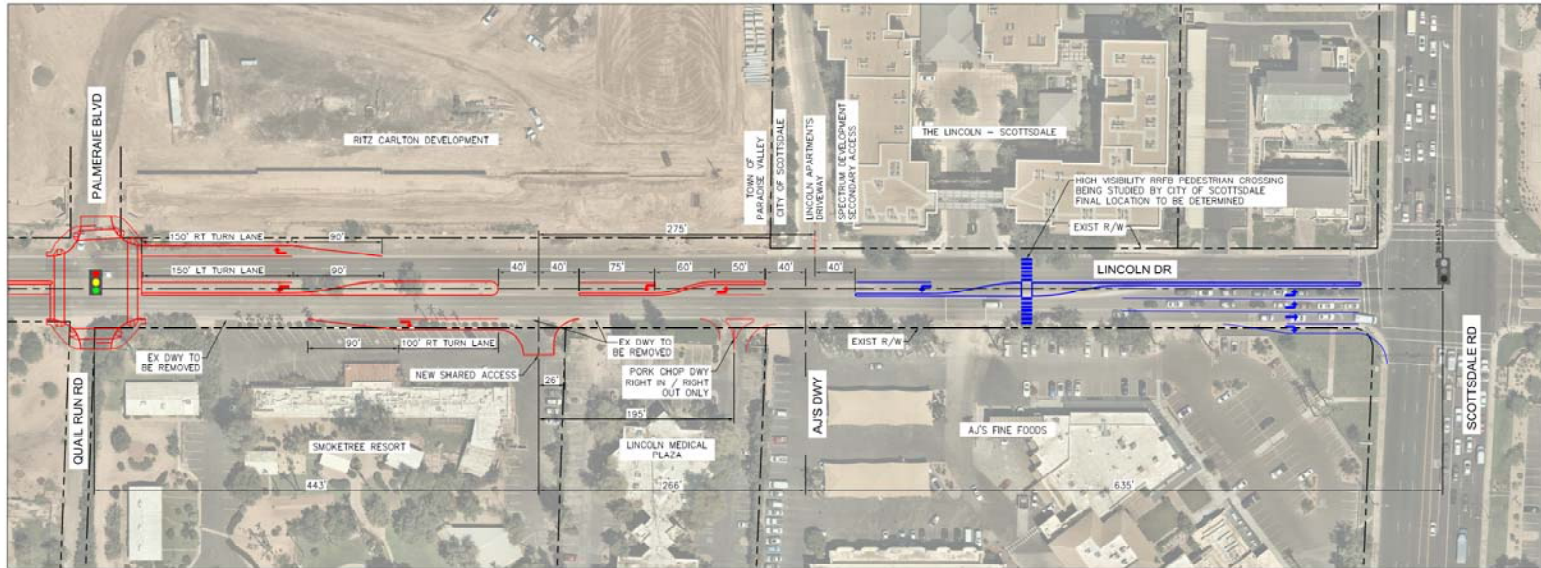


Kimley»Horn

LINCOLN DRIVE - QUAIL RUN RD TO SCOTTSDALE RD
(FULL SHARED ACCESS ON SMOKETREE/LINCOLN MEDICAL PARCEL LINE)

GRAPHIC SCALE IN FEET
0 25 50 100
02/2019

QUAIL RUN RD. TO SCOTTSDALE RD.



25 Conflict Points

Option #2 (reduced standards) – Lincoln Medical Preferred Option

LEGEND



EXISTING SIGNAL WITH PEDESTRIAN CROSSING

NEW SIGNAL WITH PEDESTRIAN CROSSING

TOWN OF PARADISE VALLEY IMPROVEMENTS

CITY OF SCOTTSDALE POTENTIAL IMPROVEMENTS

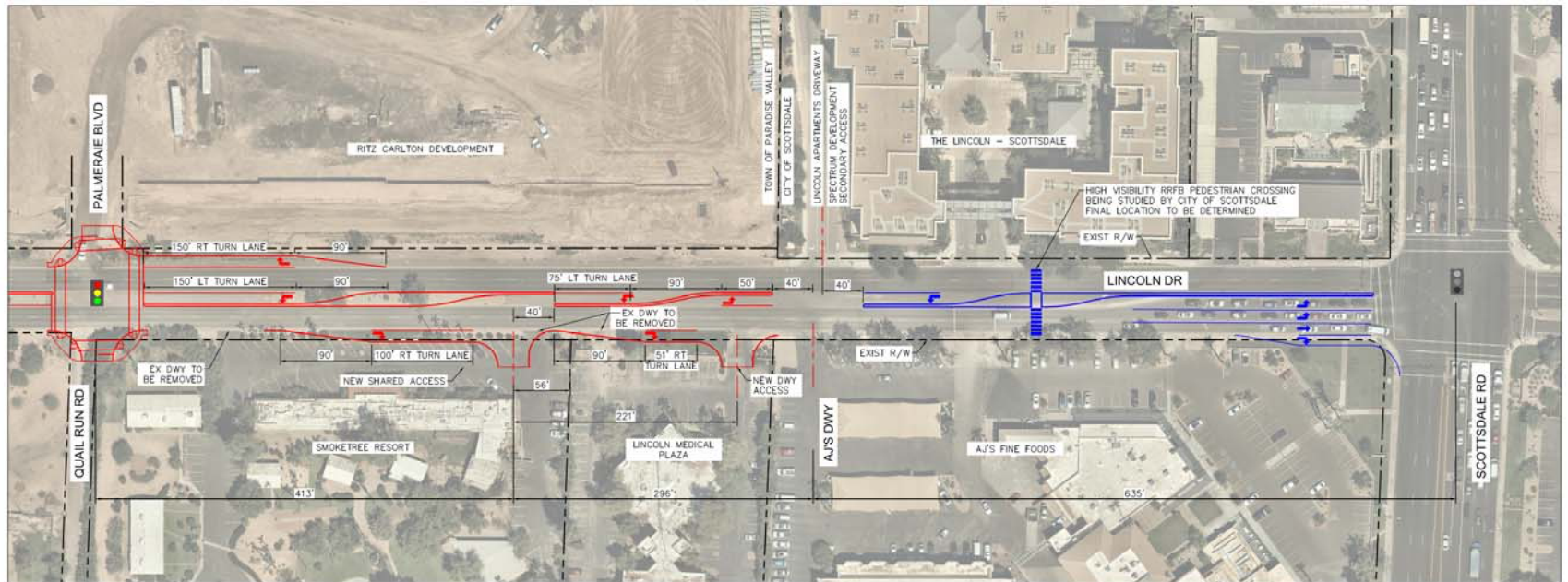


Kimley»Horn

LINCOLN DRIVE - QUAIL RUN RD TO SCOTTSDALE RD
(FULL MEDIAN BREAK AT SMOKETREE/LINCOLN MEDICAL SHARED ACCESS)

GRAPHIC SCALE IN FEET
0 25 50 100
02/2019

QUAIL RUN RD. TO SCOTTSDALE RD.



LEGEND

- EXISTING SIGNAL WITH PEDESTRIAN CROSSING
- NEW SIGNAL WITH PEDESTRIAN CROSSING
- TOWN OF PARADISE VALLEY IMPROVEMENTS
- CITY OF SCOTTSDALE POTENTIAL IMPROVEMENTS

Option #3

17 Conflict Points



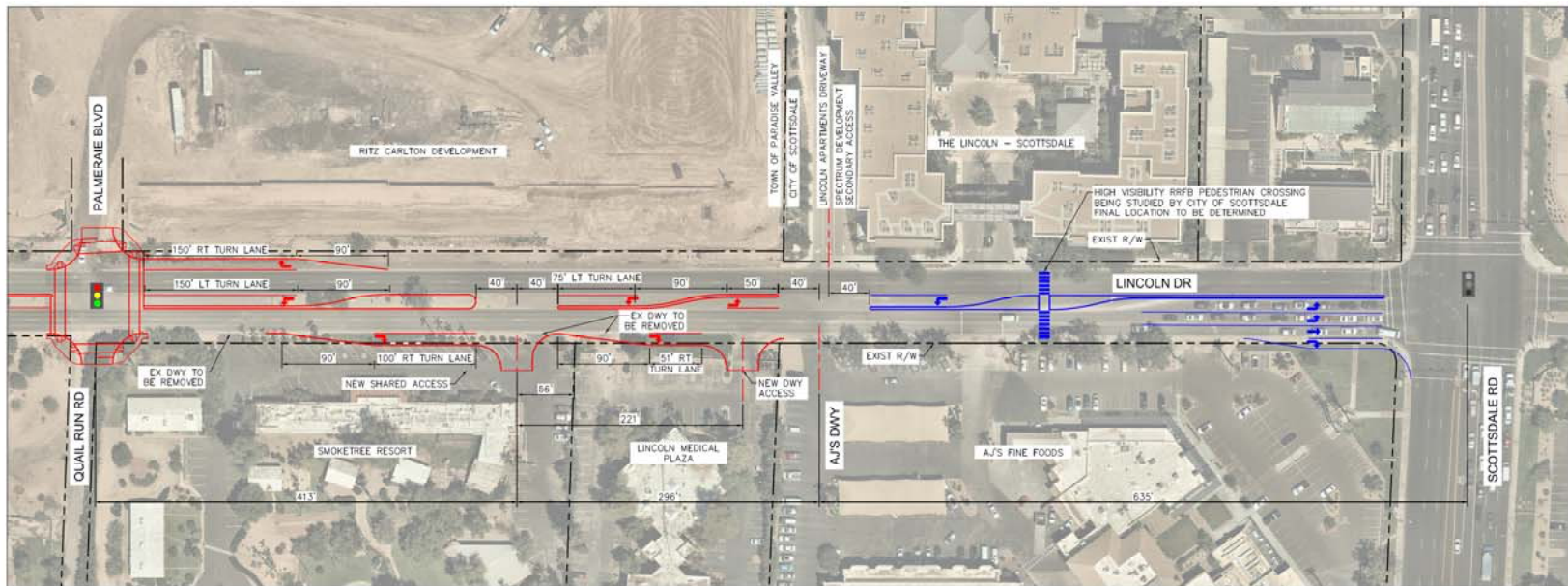
Kimley»Horn

LINCOLN DRIVE - QUAIL RUN RD TO SCOTTSDALE RD
(LEFT IN / RIGHT IN / RIGHT OUT SHARED ACCESS FOR SMOKETREE/LINCOLN MEDICAL)

GRAPHIC SCALE IN FEET
0 25 50 100
02/2019

QUAIL RUN RD. TO SCOTTSDALE RD.

21



Option #4

23 Conflict Points

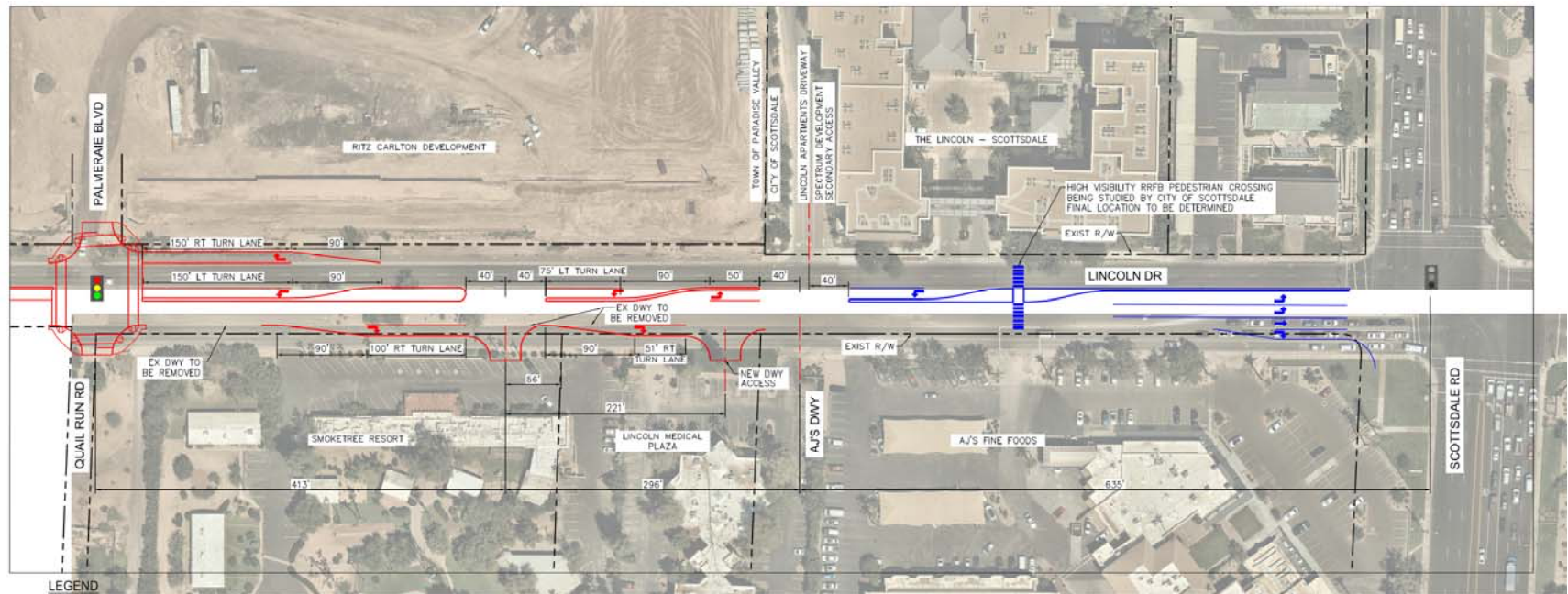


Kimley»Horn

LINCOLN DRIVE - QUAIL RUN RD TO SCOTTSDALE RD
(FULL MEDIAN BREAK SHARED ACCESS FOR SMOKETREE/LINCOLN MEDICAL)

GRAPHIC SCALE IN FEET
0 25 50 100
02/2019

QUAIL RUN RD. TO SCOTTSDALE RD.



23 Conflict Points

Option #5 – Smoke Tree Resort Preferred Option



Kimley»Horn

LINCOLN DRIVE - QUAIL RUN RD TO SCOTTSDALE RD
(FULL MEDIAN BREAK ACCESS FOR SMOKETREE ONLY)

GRAPHIC SCALE IN FEET
0 25 50 100
02/2019

LINCOLN DR. MEDIAN OPTIONS

Mockingbird Ln. to Quail Run Rd.

- Option #1: Full Access at Applewood Pet Resort West Entrance Only
- Option #2: Full Access at Applewood Pet Resort West Entrance and Left In at Gordon Property
- Option #3: Full Access at Applewood Pet Resort West Entrance and Left In at Verma/Gordon Property Line

Quail Run Rd. to Scottsdale Rd.

- Option #1: Two Way Left Turn Lane Along Smoke Tree and Lincoln Medical Frontage (**reduced standards**)
- Option #2: Shared Full Access for Smoke Tree Resort and Lincoln Medical Plaza (**reduced standards**)
- Option #3: Left In Only Shared Access for Smoke Tree Resort and Lincoln Medical Plaza
- Option #4: Shared Full Access for Smoke Tree Resort and Lincoln Medical Plaza
- Option #5: Full Access for Smoke Tree Resort and Right In/Right Out Only Access For Lincoln Medical Plaza



LINCOLN DRIVE MEDIAN IMPROVEMENTS

24

QUESTIONS?

