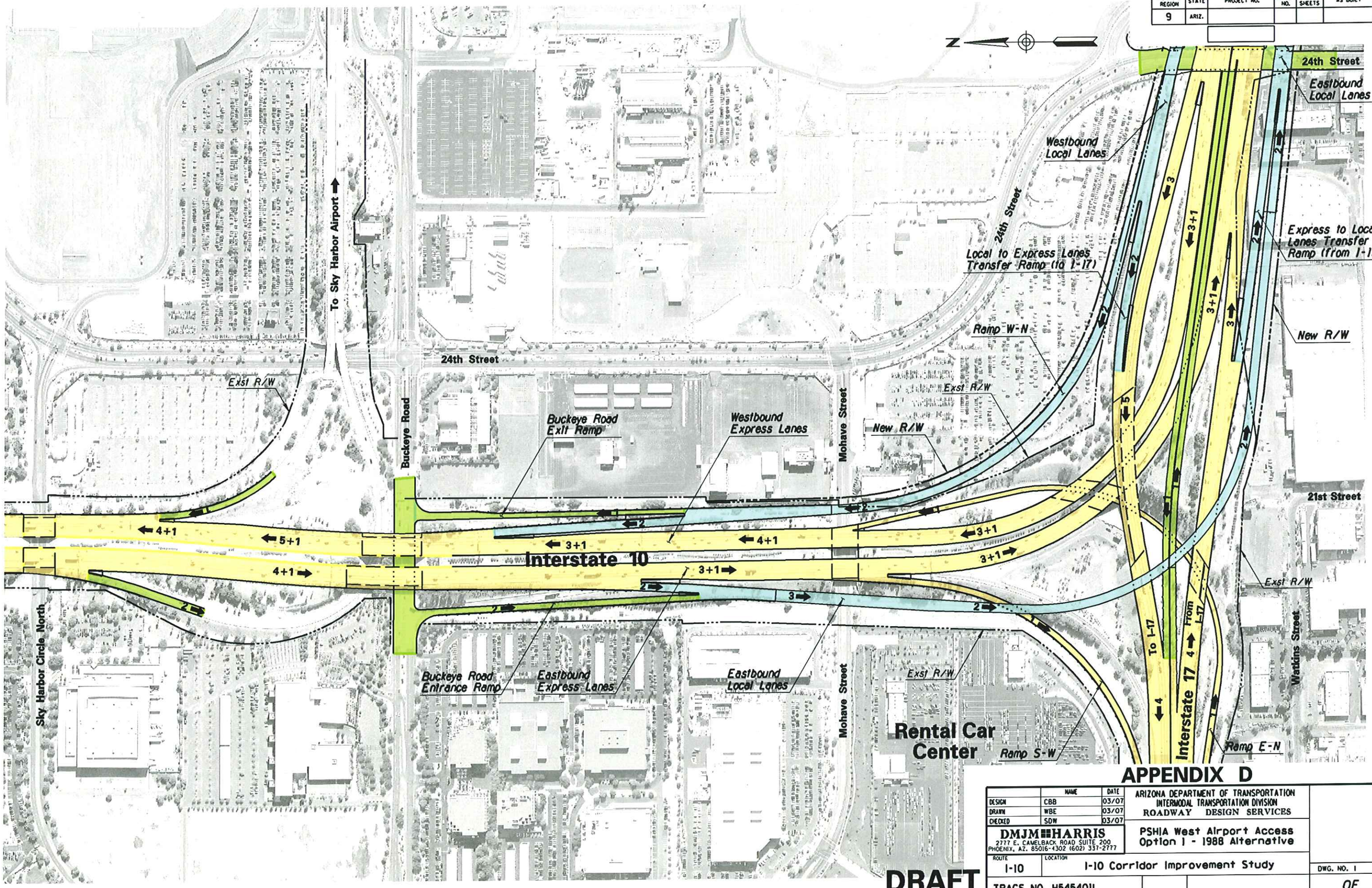
APPENDIX D

Local Access Options Considered

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

PSHIA West Airport Access
Option 1 - 1988 Alternative

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

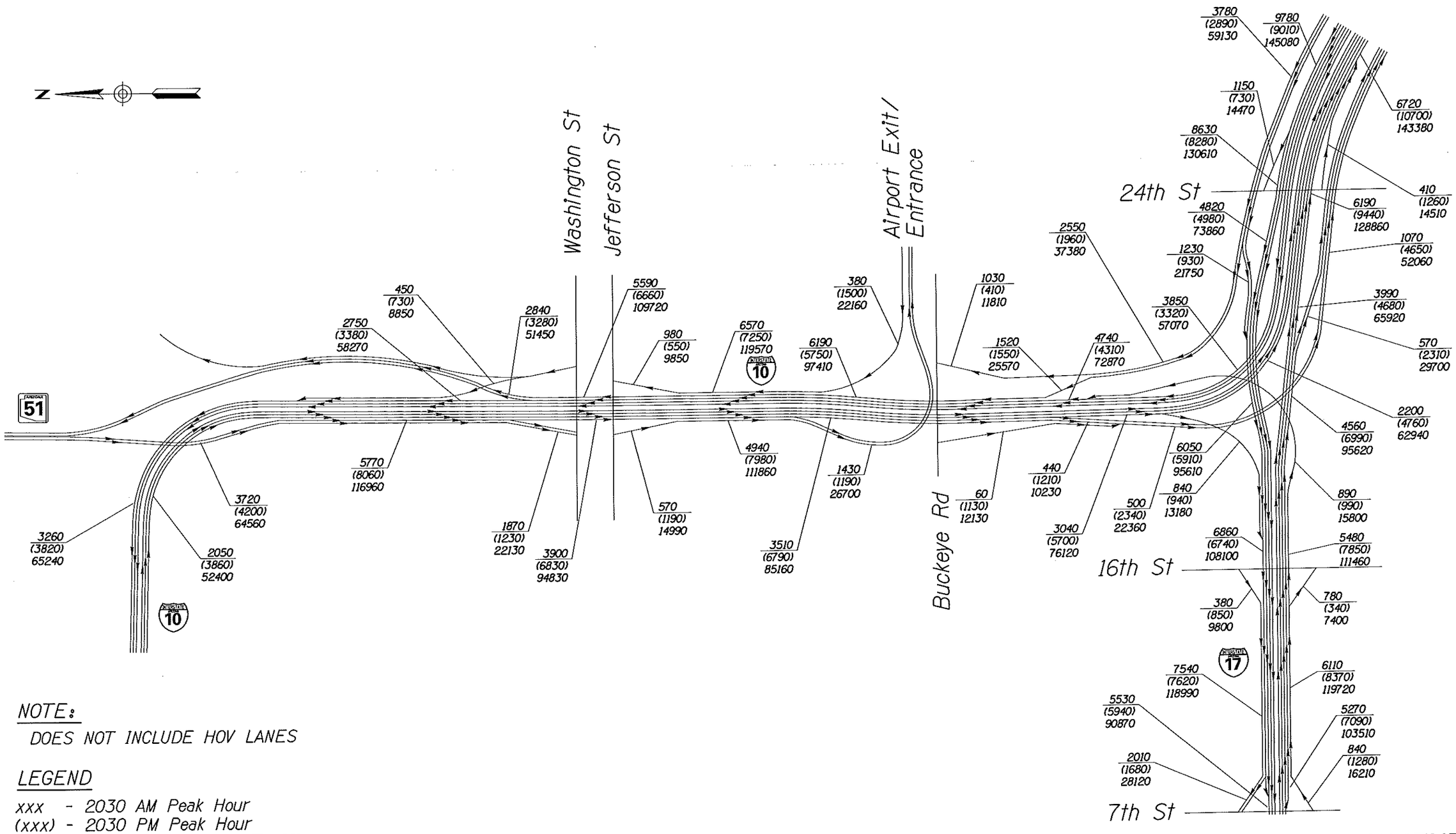
DWG. NO. 1
___ OF ___

TRACS NO. H545401L

DRAFT

3/15/2007 N:\5445\Prod\ASR\LOCAL\5445aaa01.dgn

SURVEY NO. | FINISHED PLANS | REVISIONS | LOCATION | DATE



NOTE:

DOES NOT INCLUDE HOV LANES

LEGEND

xxx - 2030 AM Peak Hour
(xxx) - 2030 PM Peak Hour
xxxx - 2030 Average Daily Traffic

I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
WEST AIRPORT ACCESS OPTION 1
2030 TRAFFIC VOLUMES
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\West Airport\Air-Divol.dgn

3/15/2007

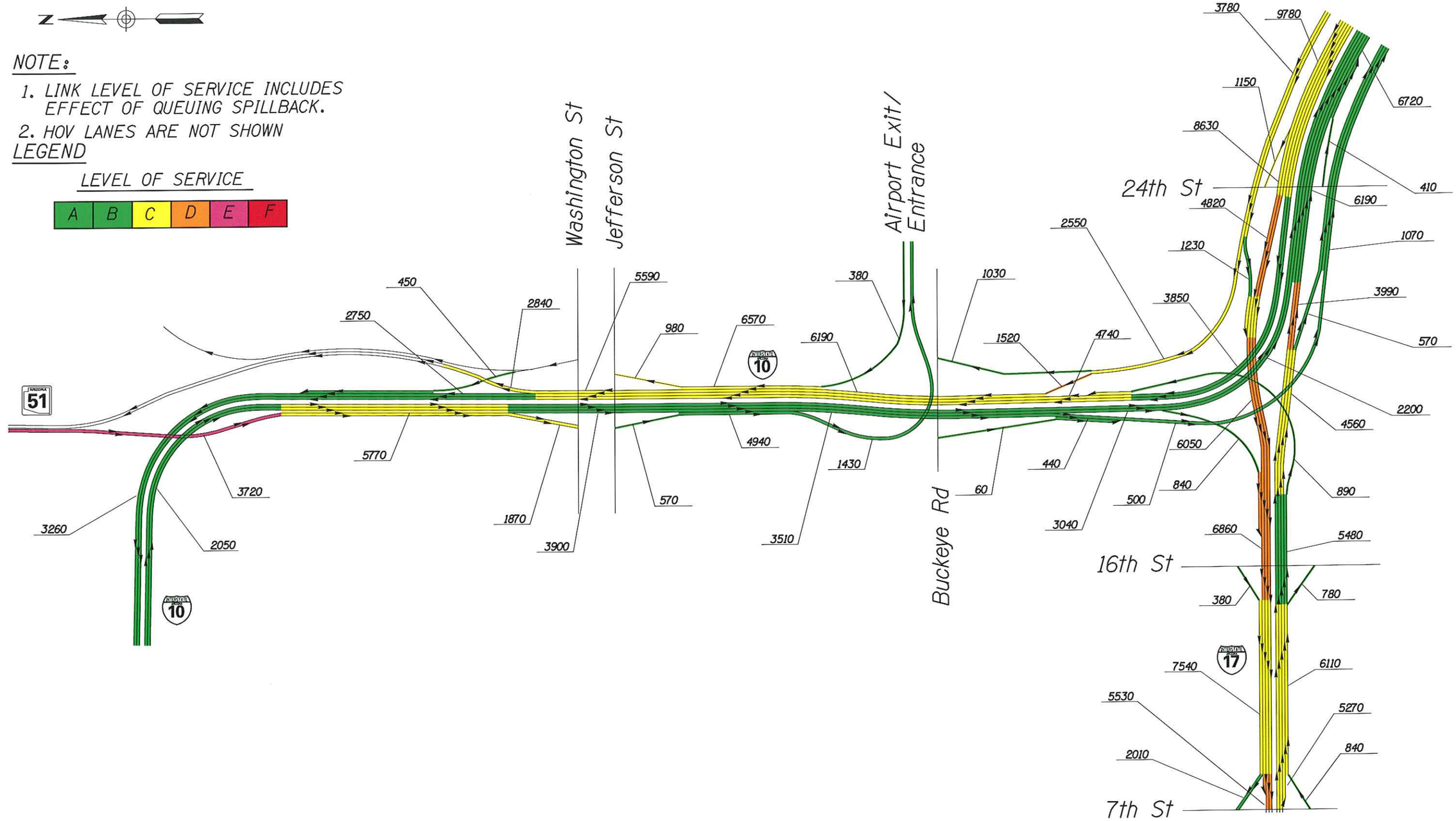
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
WEST AIRPORT ACCESS OPTION 1
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\West Airport\Air-01AM.dgn

3/15/2007

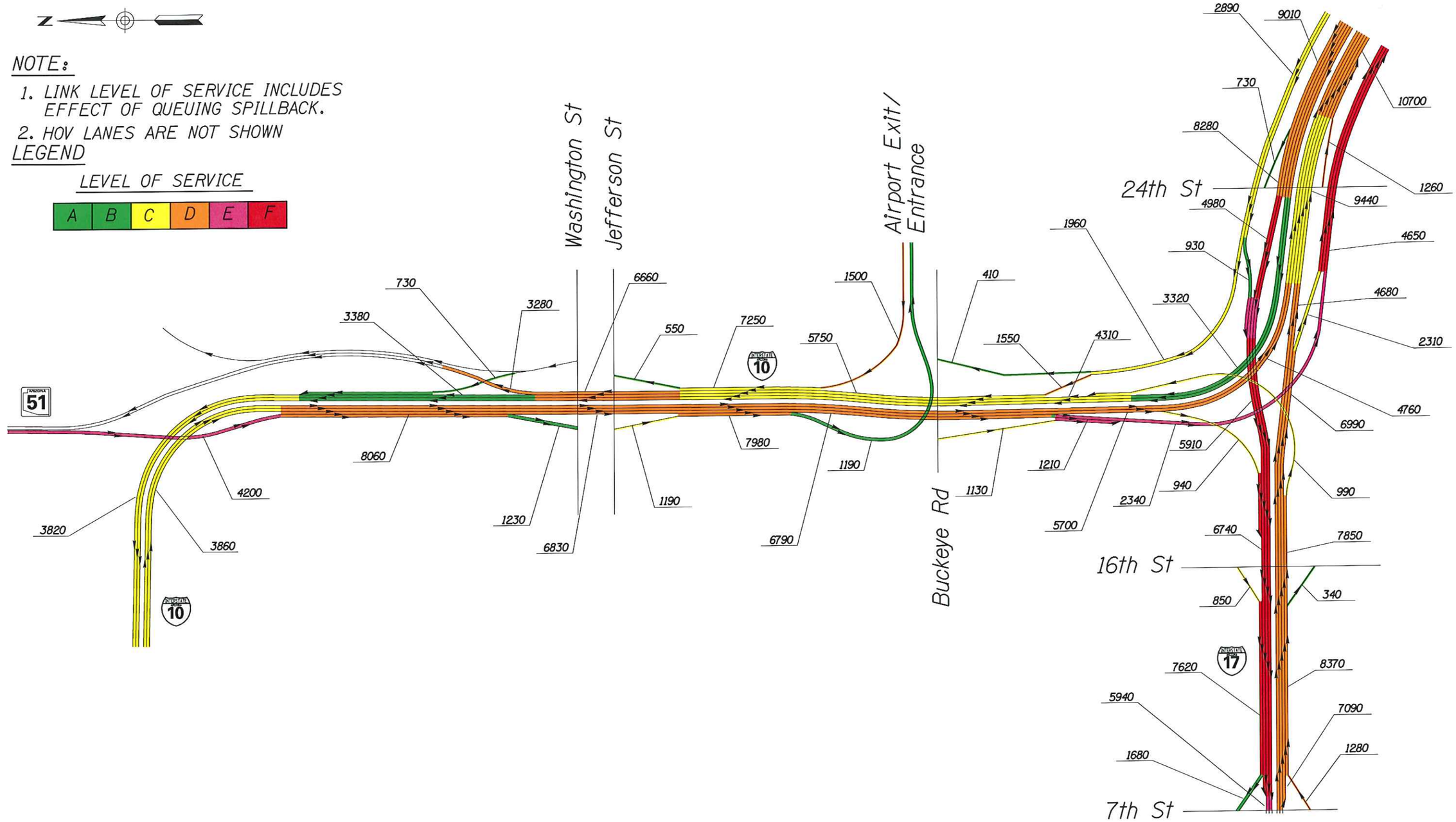
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

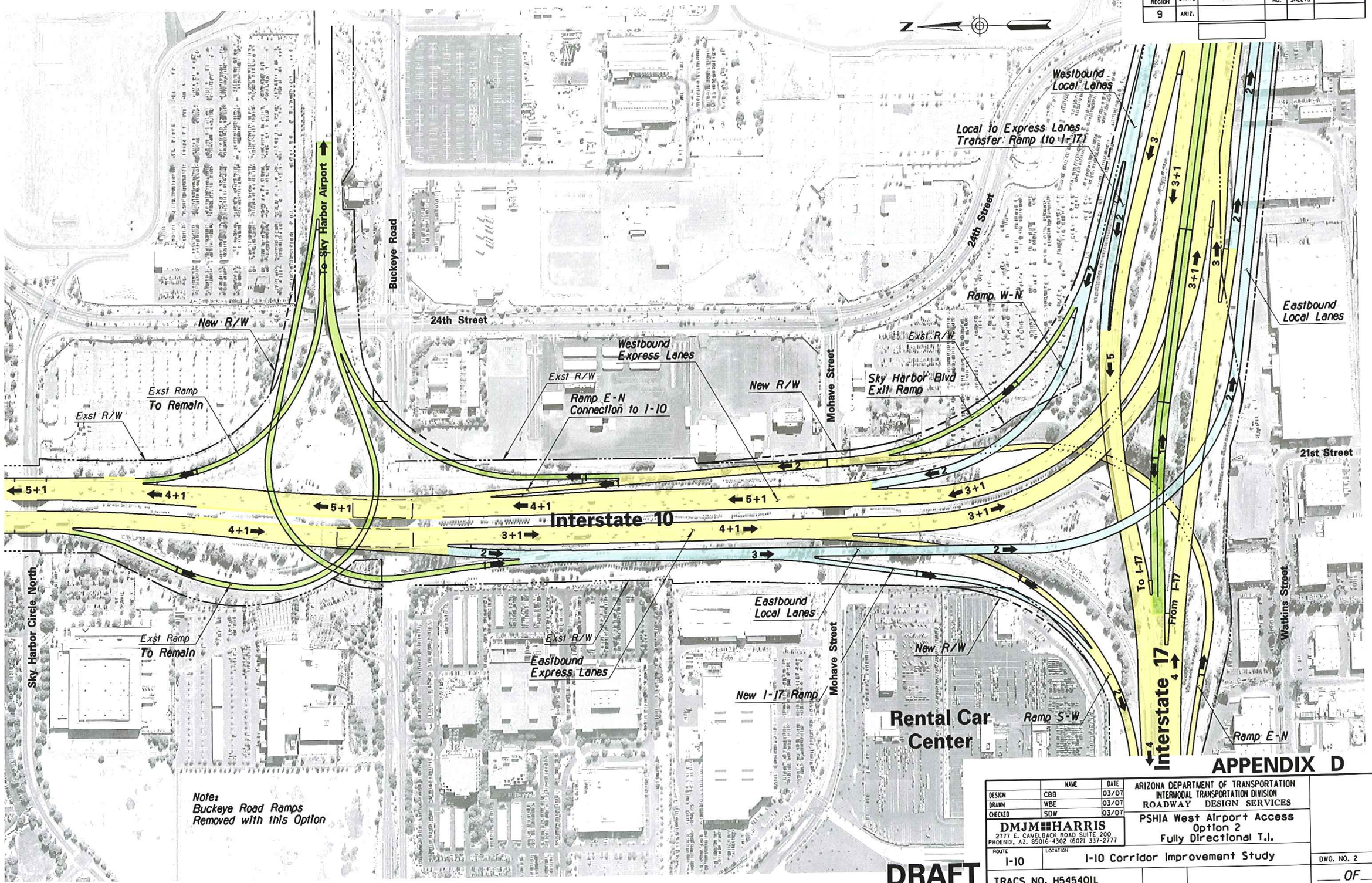
NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
WEST AIRPORT ACCESS OPTION 1
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\West Airport\AirOIPM.dgn

3/15/2007

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

PSHIA West Airport Access
Option 2
Fully Directional T.I.

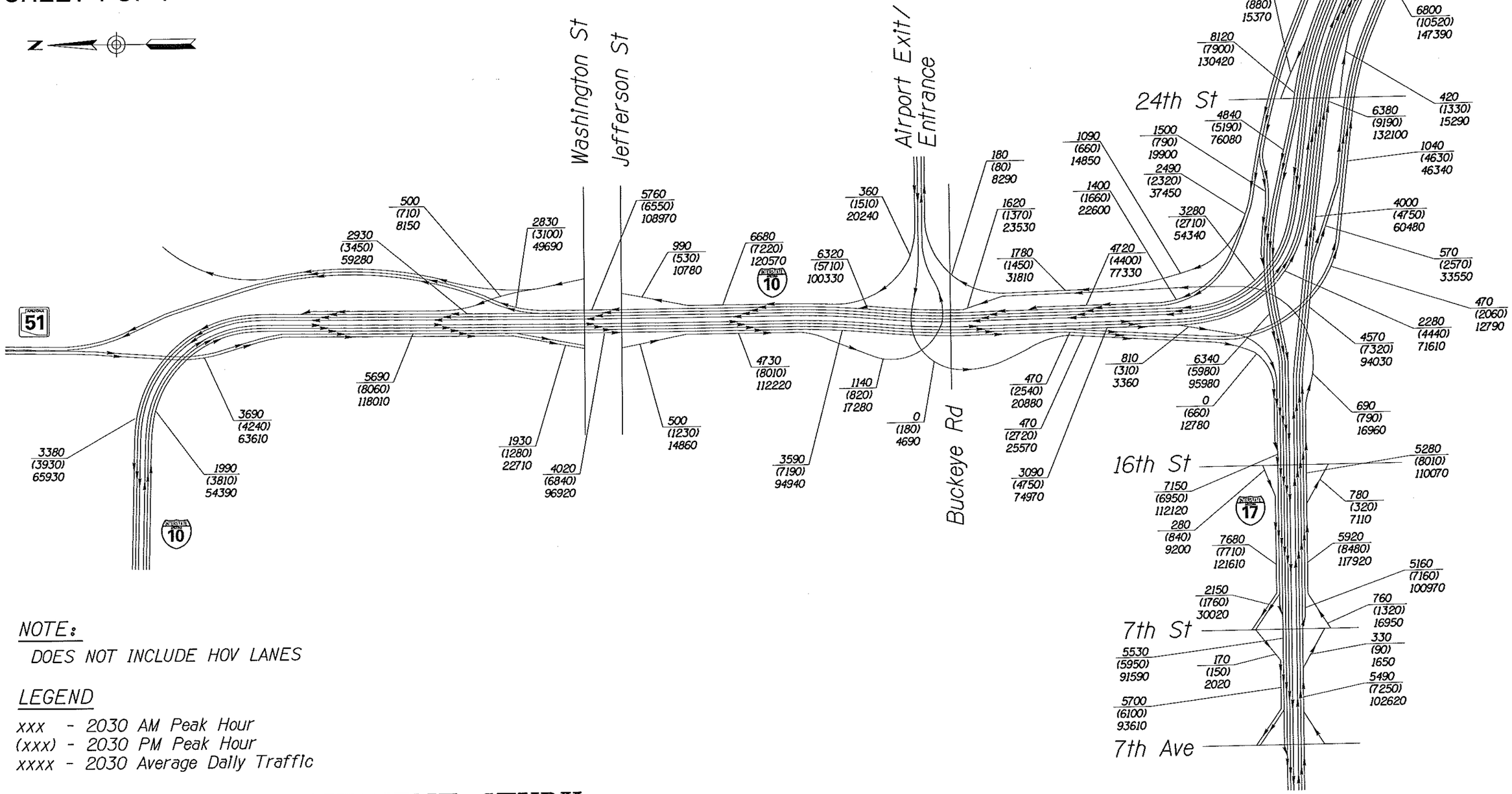
ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study
DWG. NO. 2
___ OF ___

TRACS NO. H545401L

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

4/9/2007 N:\5445\Prod\ASR\LOCAL\5445aaa02.dgn

APPENDIX D
WEST AIRPORT ACCESS OPTION 2
2030 TRAFFIC VOLUMES
SHEET 1 OF 1



NOTE:

DOES NOT INCLUDE HOV LANES

LEGEND

xxx - 2030 AM Peak Hour
(xxx) - 2030 PM Peak Hour
xxxx - 2030 Average Daily Traffic

I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

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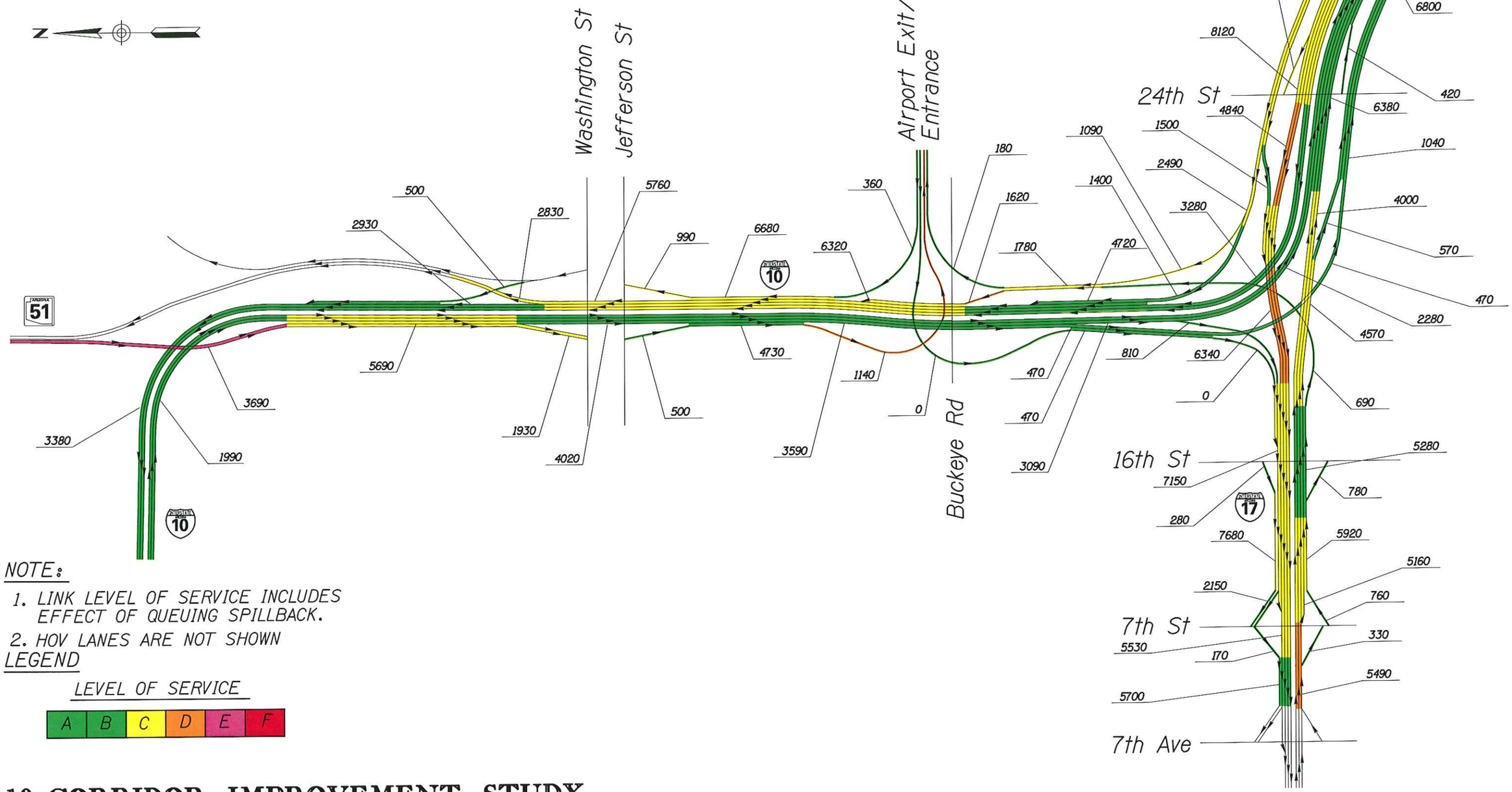
3/15/2007

APPENDIX D
WEST AIRPORT ACCESS OPTION 2
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1



NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F

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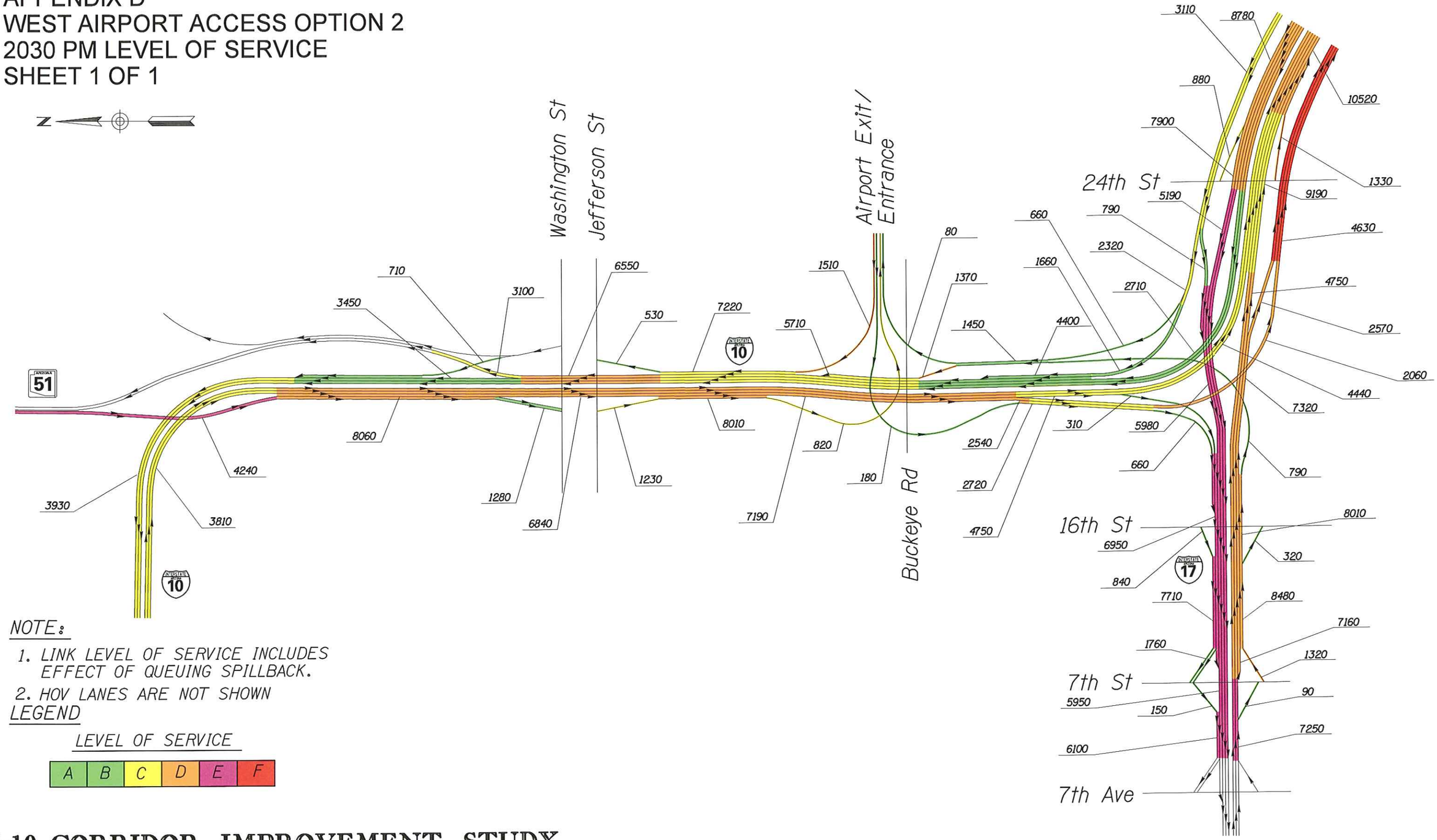
3/15/2007

I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
WEST AIRPORT ACCESS OPTION 2
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1



NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F

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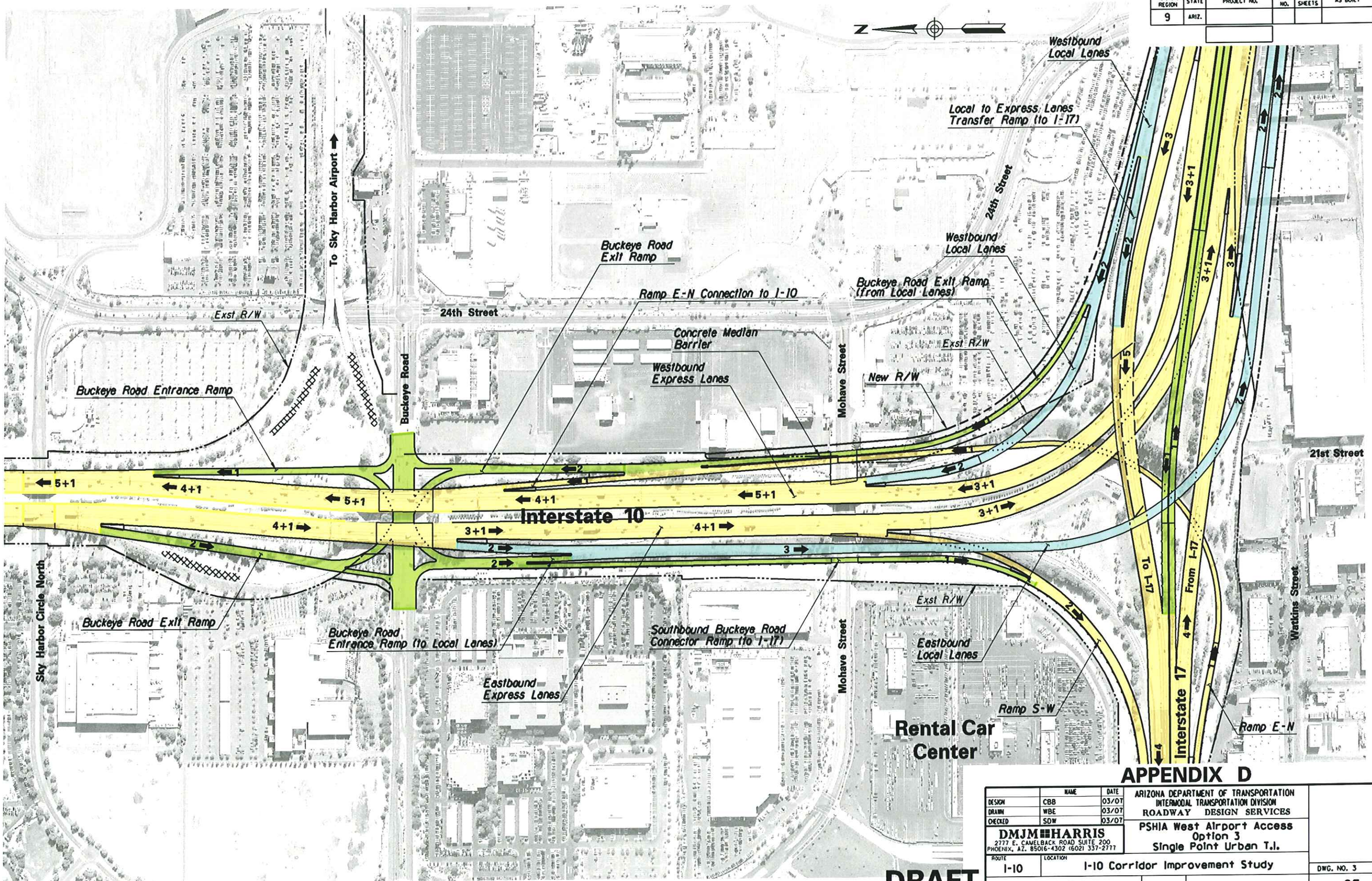
4/6/2007

I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



DRAFT

APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

PSHIA West Airport Access
Option 3
Single Point Urban T.I.

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

DWG. NO. 3
___ OF ___

TRACS NO. H545401L

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

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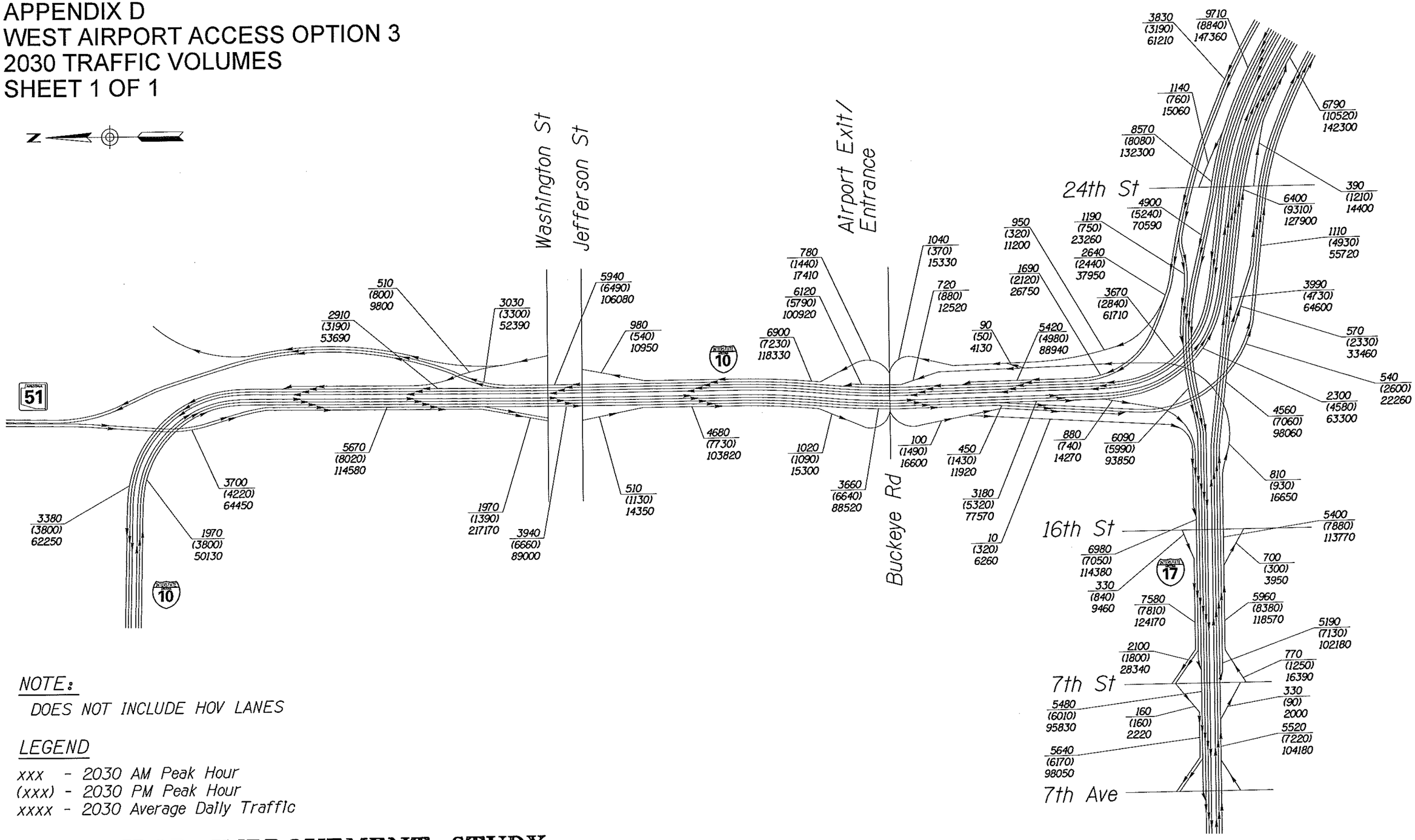
APPENDIX D
WEST AIRPORT ACCESS OPTION 3
2030 TRAFFIC VOLUMES
SHEET 1 OF 1



NOTE:

DOES NOT INCLUDE HOV LANES

LEGEND

xxx - 2030 AM Peak Hour
(xxx) - 2030 PM Peak Hour
xxxx - 2030 Average Daily Traffic

I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

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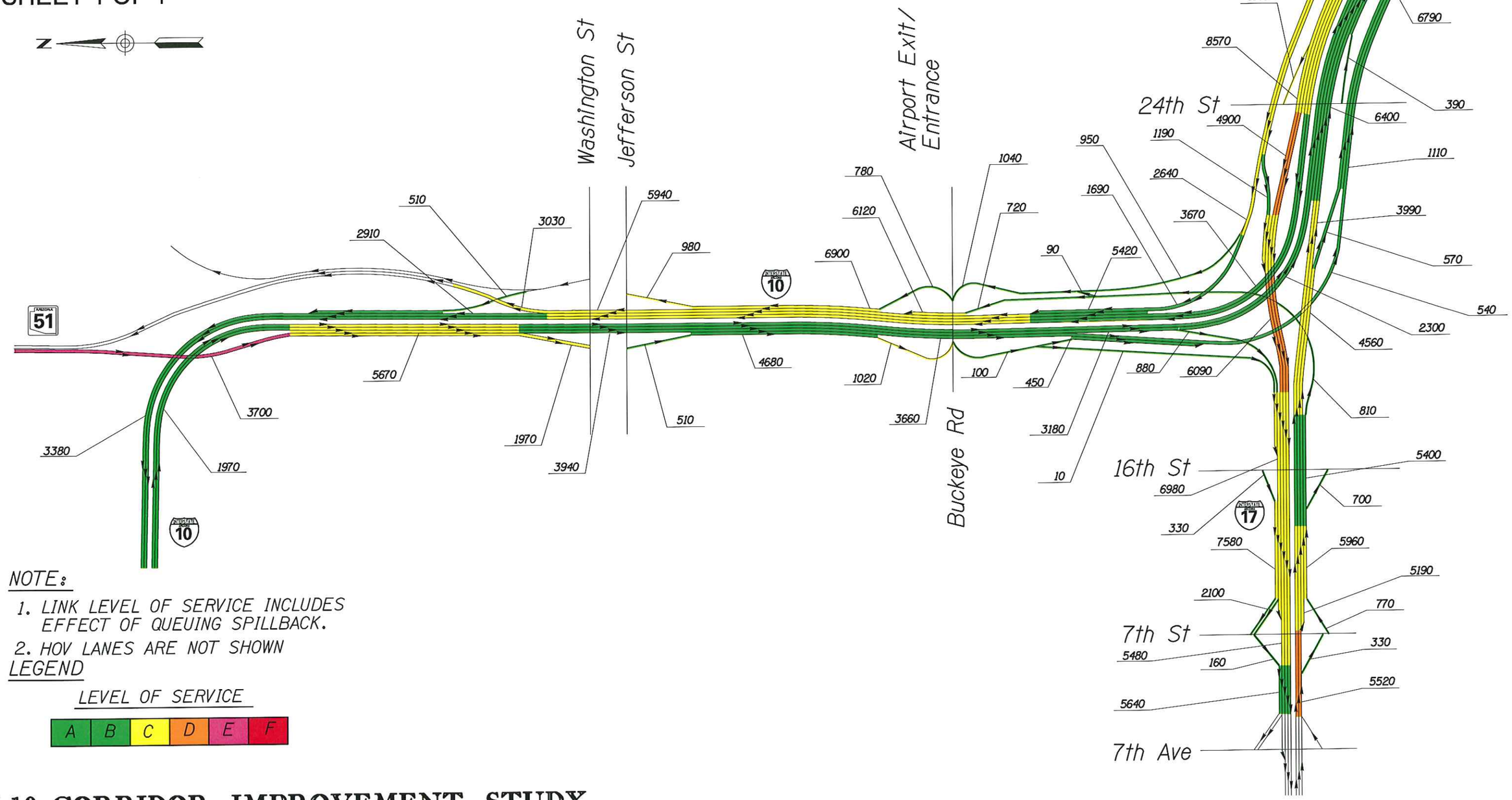
3/15/2007

APPENDIX D
WEST AIRPORT ACCESS OPTION 3
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

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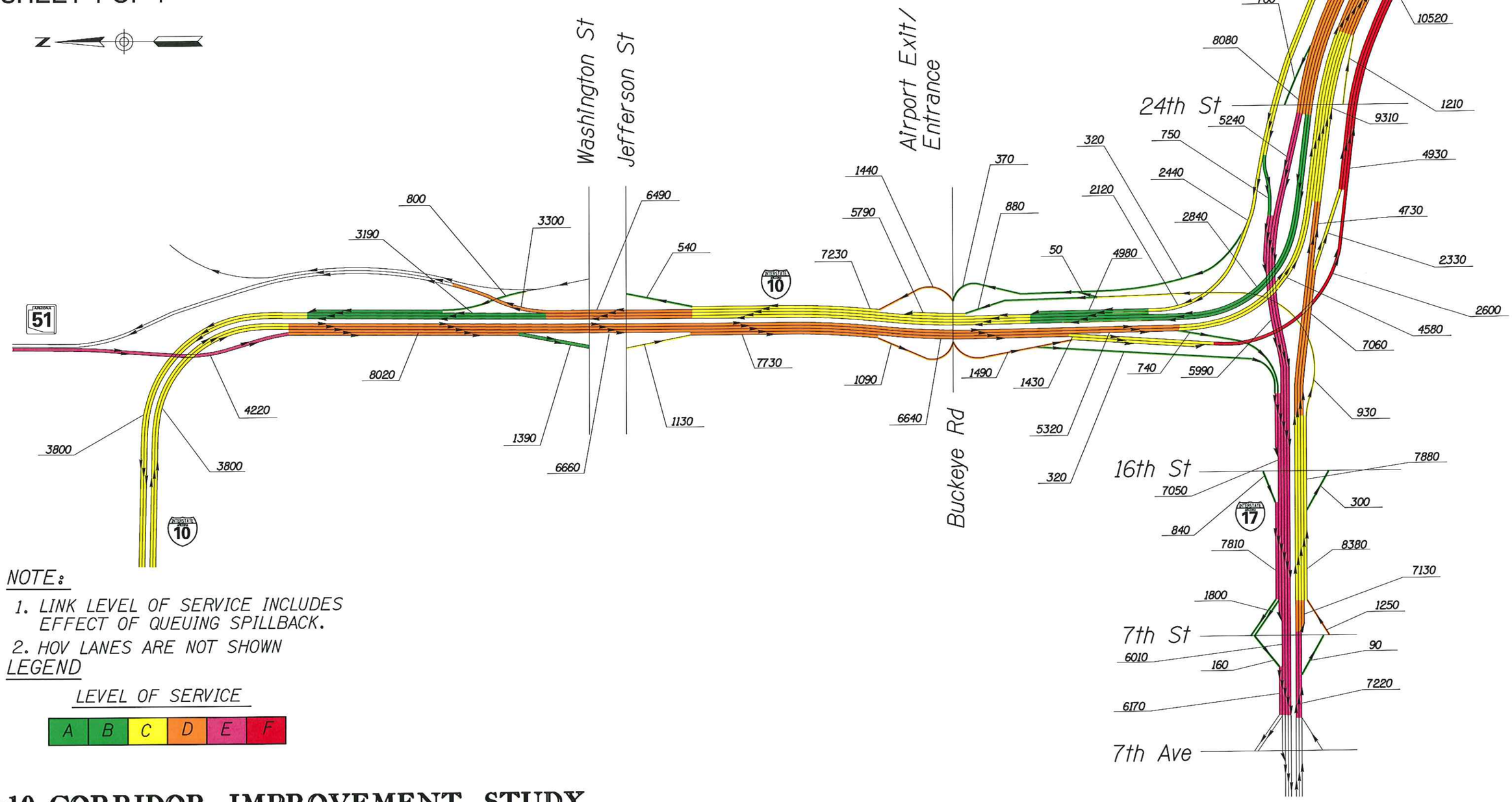
3/15/2007

APPENDIX D
WEST AIRPORT ACCESS OPTION 3
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1



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3/15/2007

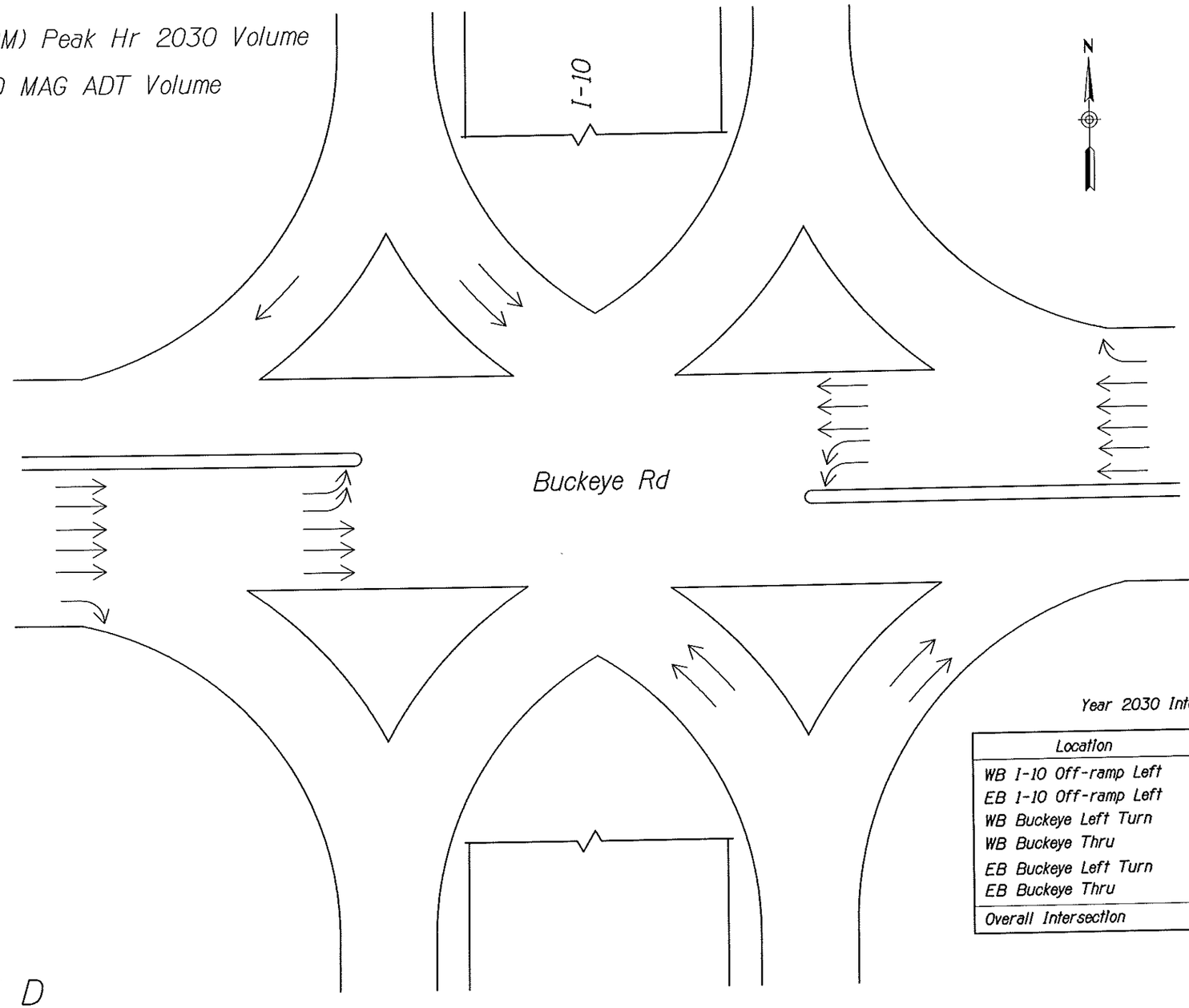
I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

Notes:

- AM(PM) Peak Hr 2030 Volume
- 2030 MAG ADT Volume



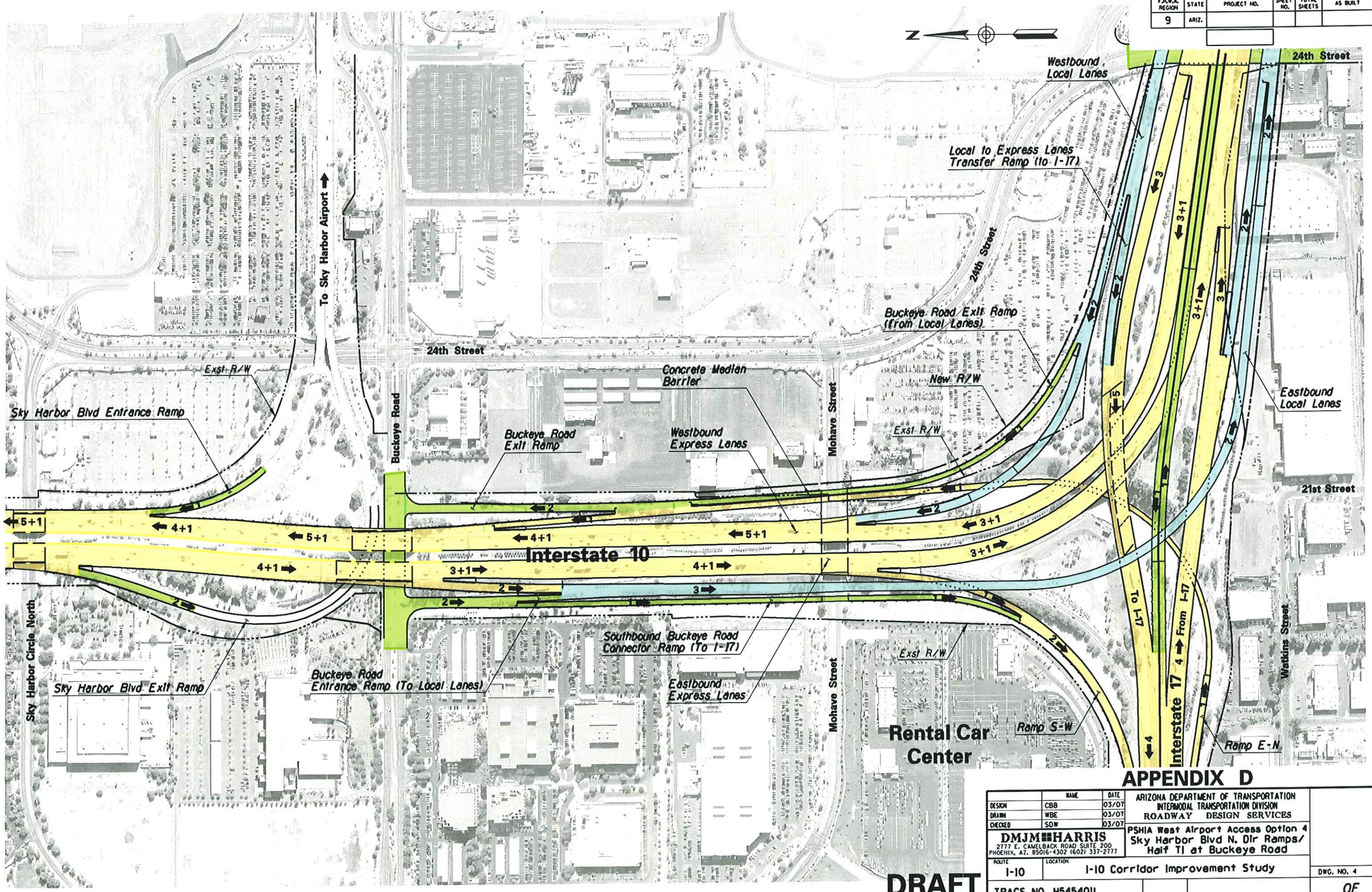
Year 2030 Intersection LOS

Location	AM Pk Hr	PM Pk Hr
WB I-10 Off-ramp Left	D	C
EB I-10 Off-ramp Left	D	D
WB Buckeye Left Turn	D	D
WB Buckeye Thru	D	C
EB Buckeye Left Turn	D	D
EB Buckeye Thru	B	C
Overall Intersection	D	D

APPENDIX D
WEST AIRPORT ACCESS OPTION 3
BUCKEYE ROAD TI 2030 VOLUMES AND LOS ANALYSIS
SHEET 1 OF 1

DMJM HARRIS | AECOM

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

PSHIA West Airport Access Option 4
Sky Harbor Blvd N. Dir Ramps/
Half TI at Buckeye Road

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

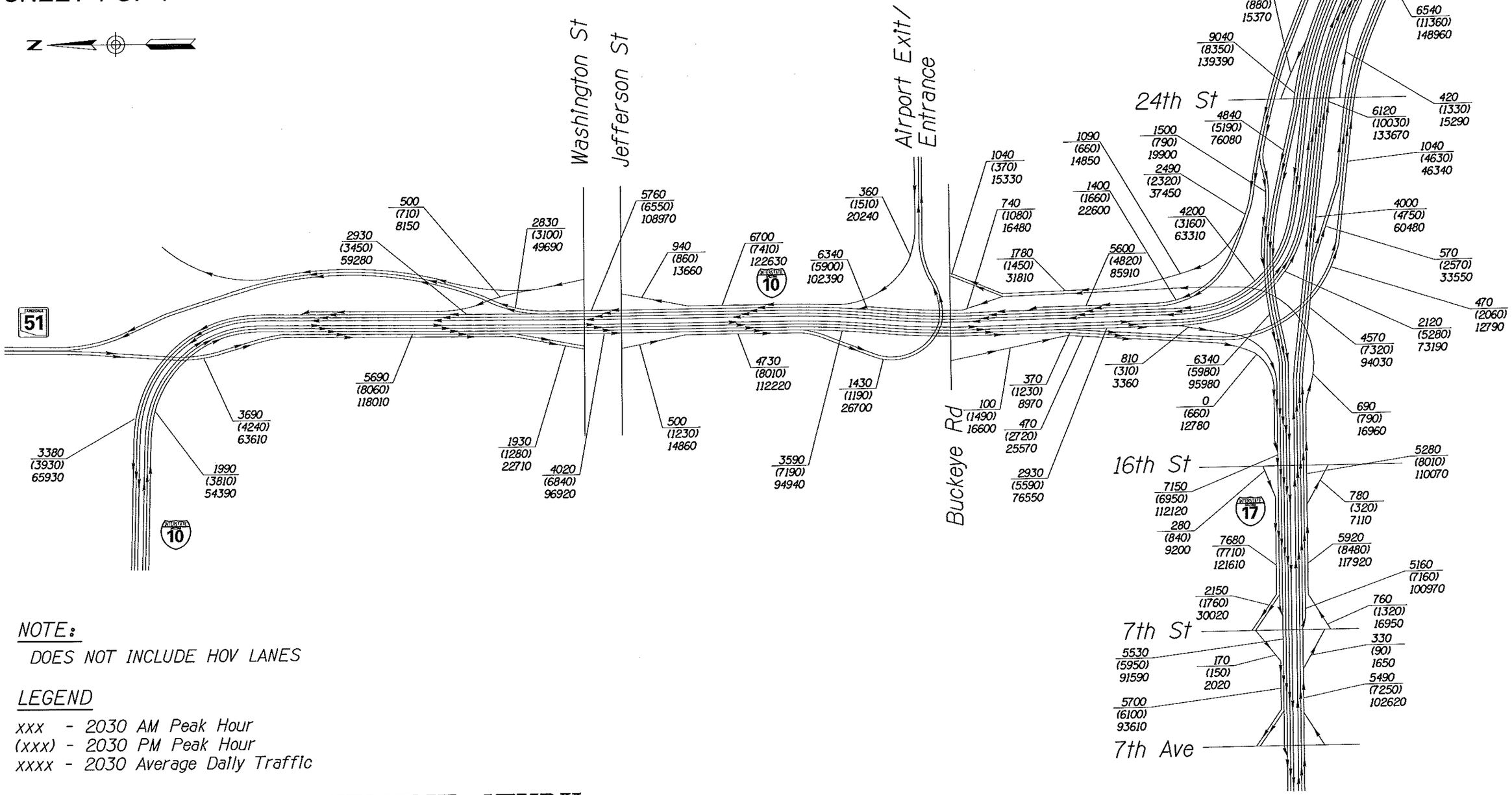
DWG. NO. 4
___ OF ___

TRACS NO. H545401L

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

3/13/2007 N:\5445\Prod\ASR\LOCAL\5445aao04.dgn

APPENDIX D
WEST AIRPORT ACCESS OPTION 4
2030 TRAFFIC VOLUMES
SHEET 1 OF 1



NOTE:

DOES NOT INCLUDE HOV LANES

LEGEND

xxx - 2030 AM Peak Hour
(xxx) - 2030 PM Peak Hour
xxxx - 2030 Average Daily Traffic

I-10 CORRIDOR IMPROVEMENT STUDY

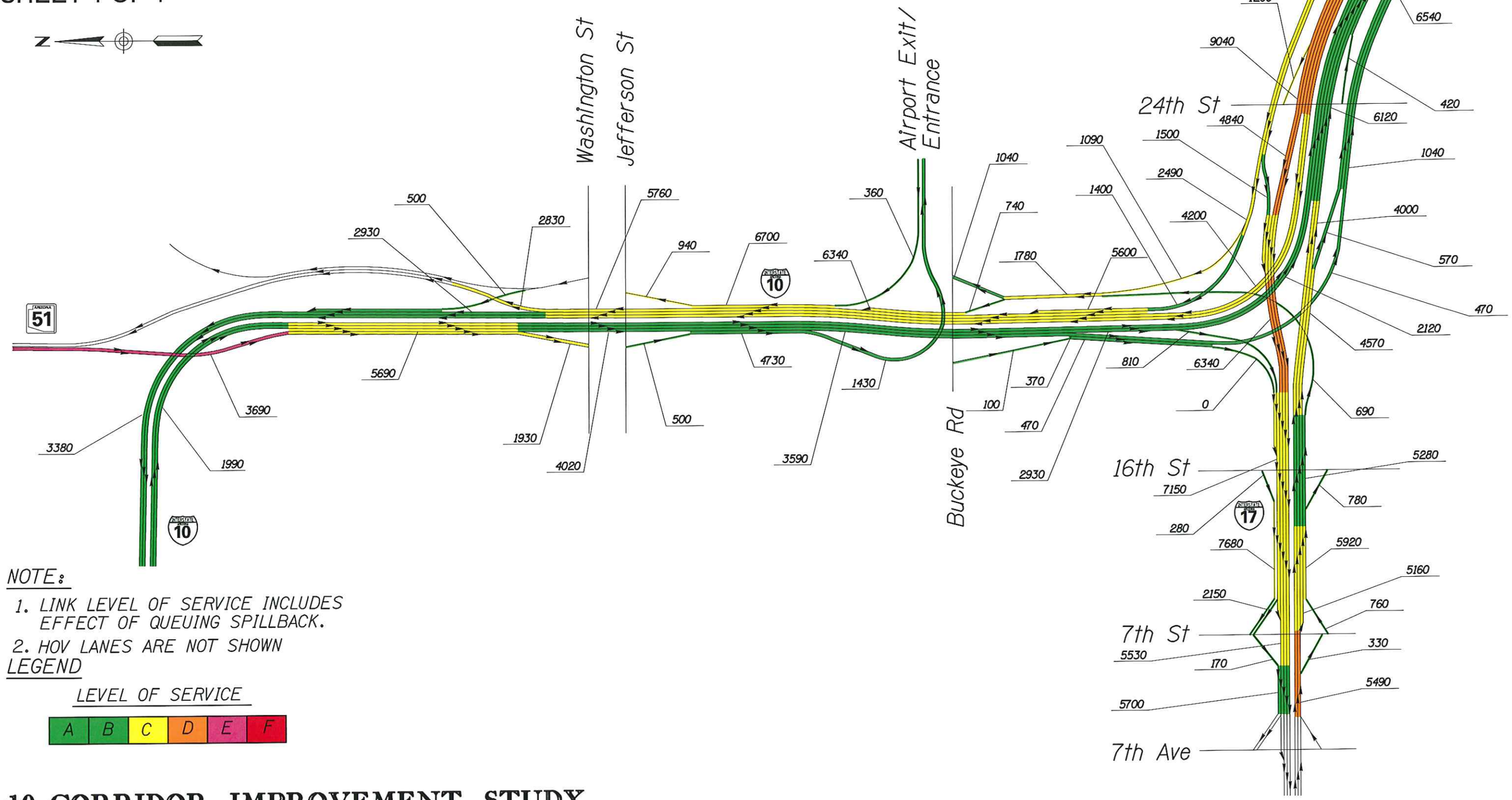
DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

n:\5445\Design\tra\2030 ASR GRAPHICS\West Airport\Air-04Vol.dgn

3/15/2007

APPENDIX D
WEST AIRPORT ACCESS OPTION 4
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1



NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F

I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

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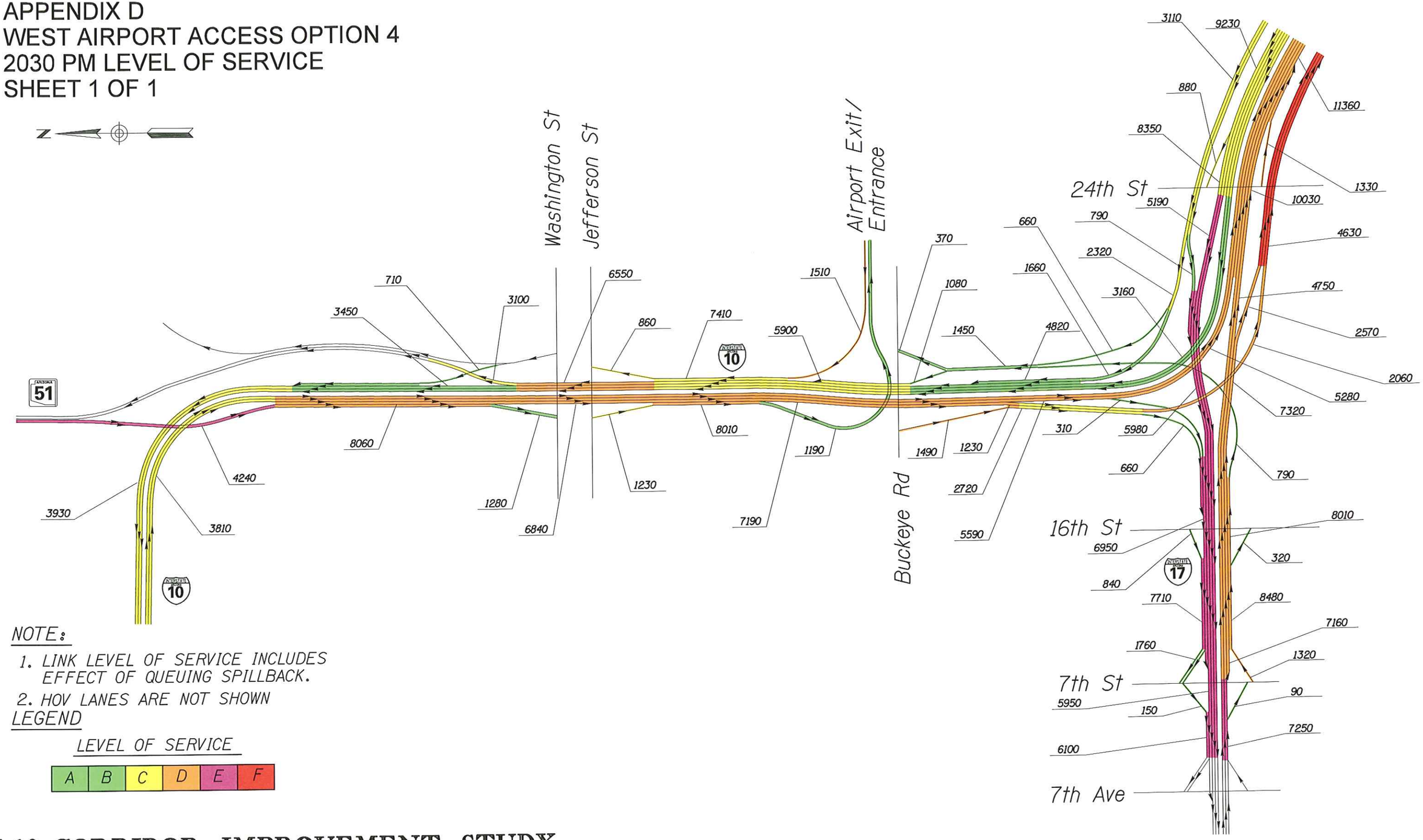
3/15/2007

APPENDIX D
WEST AIRPORT ACCESS OPTION 4
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1



NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F

n:\5445\Design\tra\2030 ASR GRAPHICS\West Airport\Air04PM.dgn

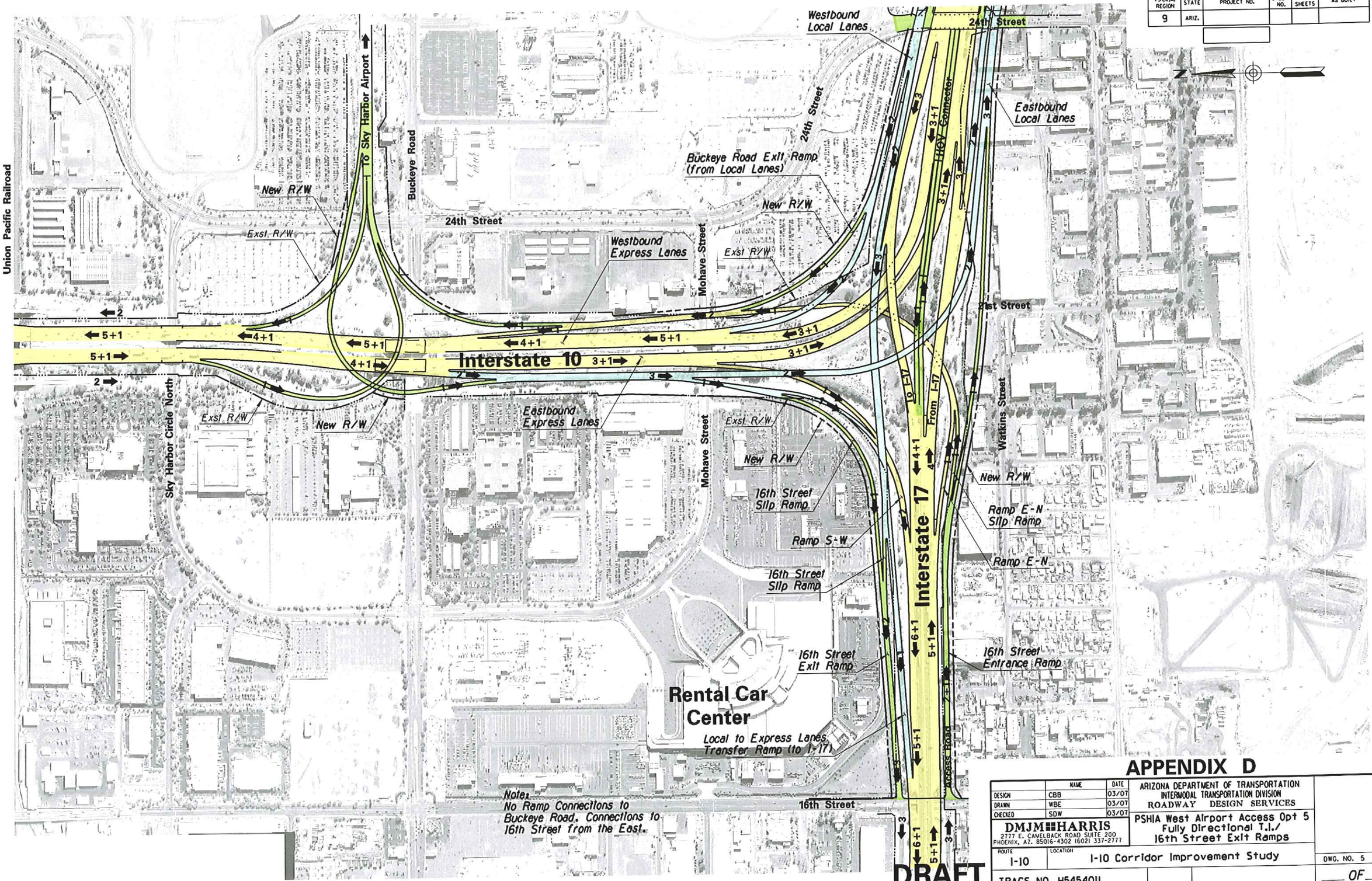
4/6/2007

I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

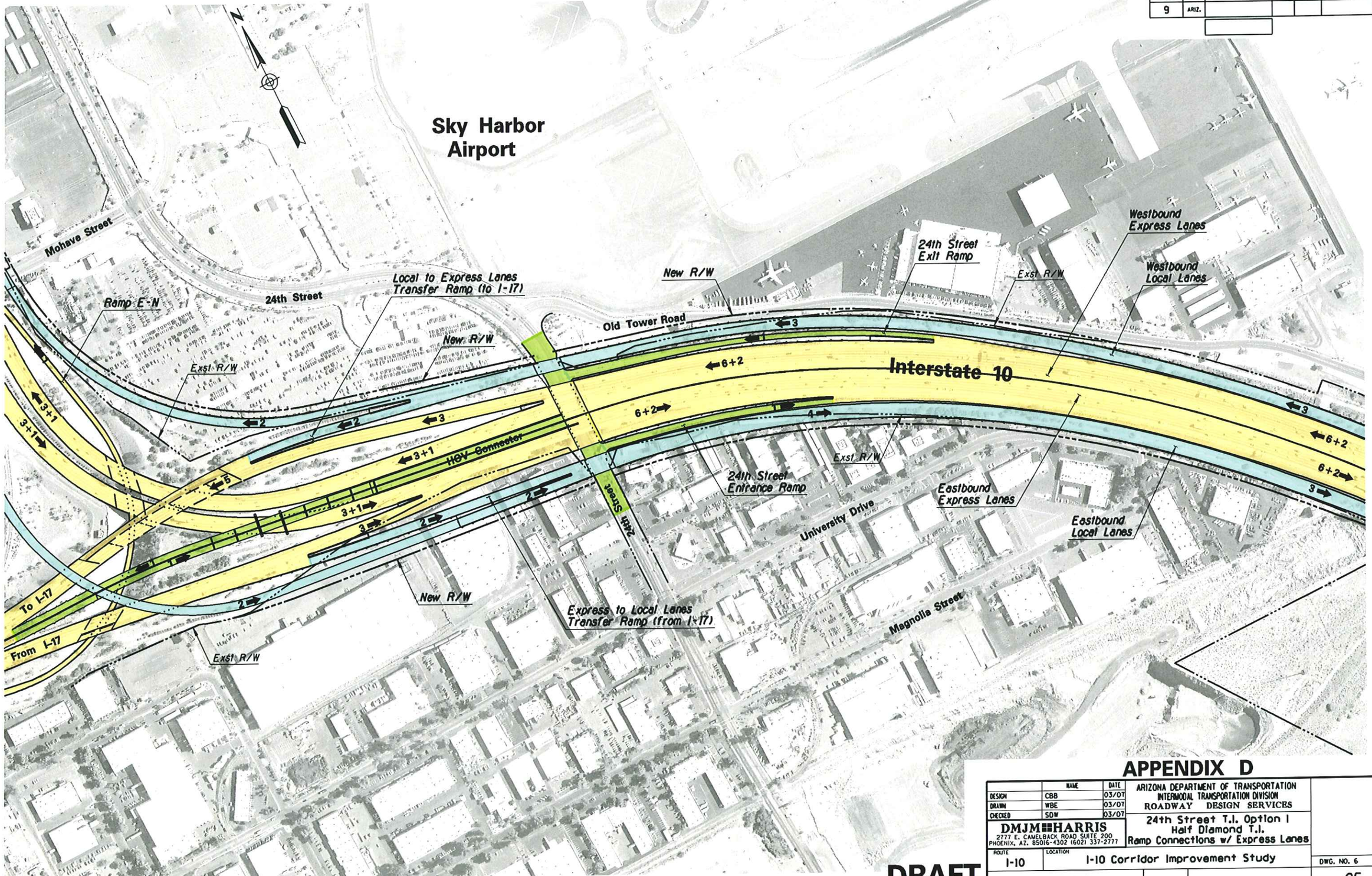
PSHIA West Airport Access Opt 5
Fully Directional T.I./
16th Street Exit Ramps

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study
DWG. NO. 5
TRACS NO. H545401L
___ OF ___

DRAFT

4/9/2007 N:\5445\Prod\ASR\LOCAL\5445waao05.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

24th Street T.I. Option I
Half Diamond T.I.
Ramp Connections w/ Express Lanes

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

DWG. NO. 6
___ OF ___

TRACS NO. H545401L

DRAFT

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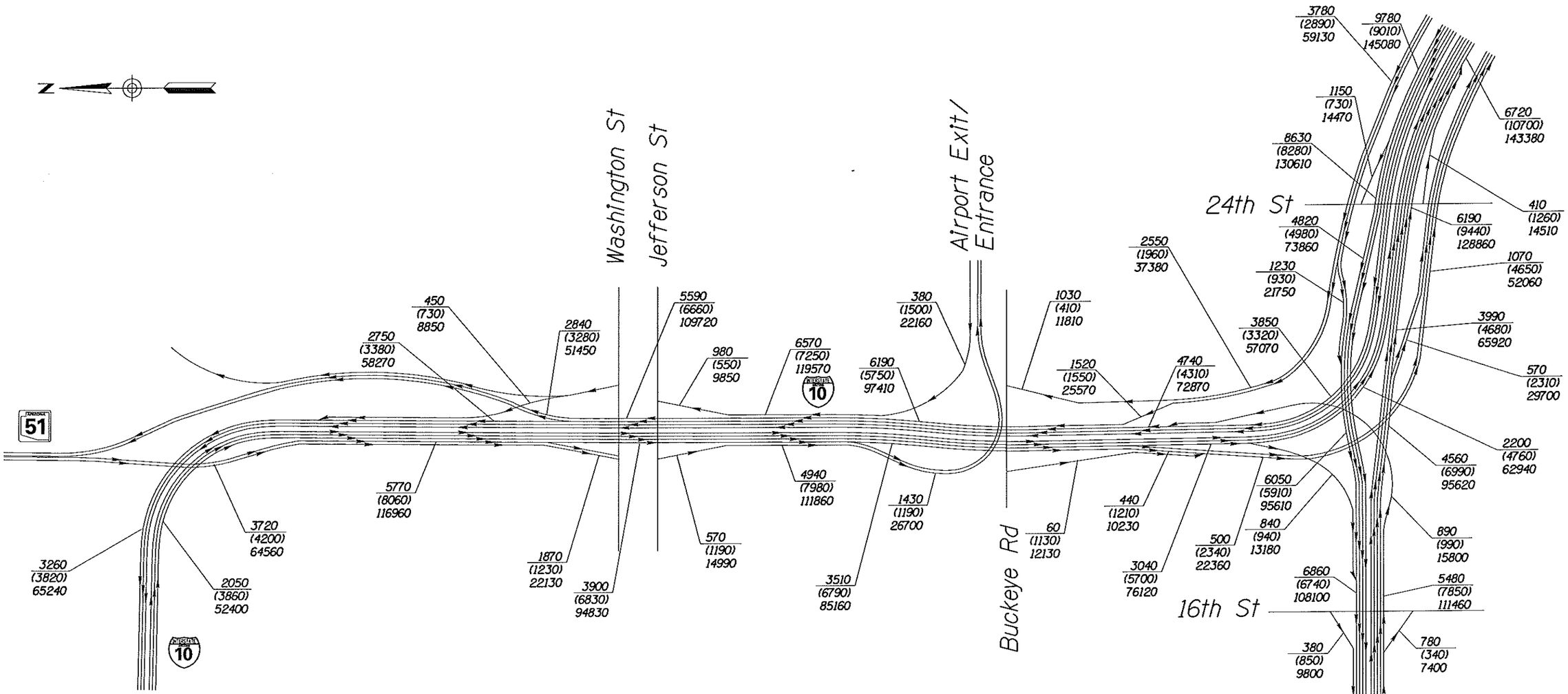
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE- | SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



NOTE:

DOES NOT INCLUDE HOV LANES

LEGEND

xxx - 2030 AM Peak Hour
(xxx) - 2030 PM Peak Hour
xxxx - 2030 Average Daily Traffic

I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
24TH STREET OPTION 1
2030 TRAFFIC VOLUMES
SHEET 1 OF 1

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3/15/2007

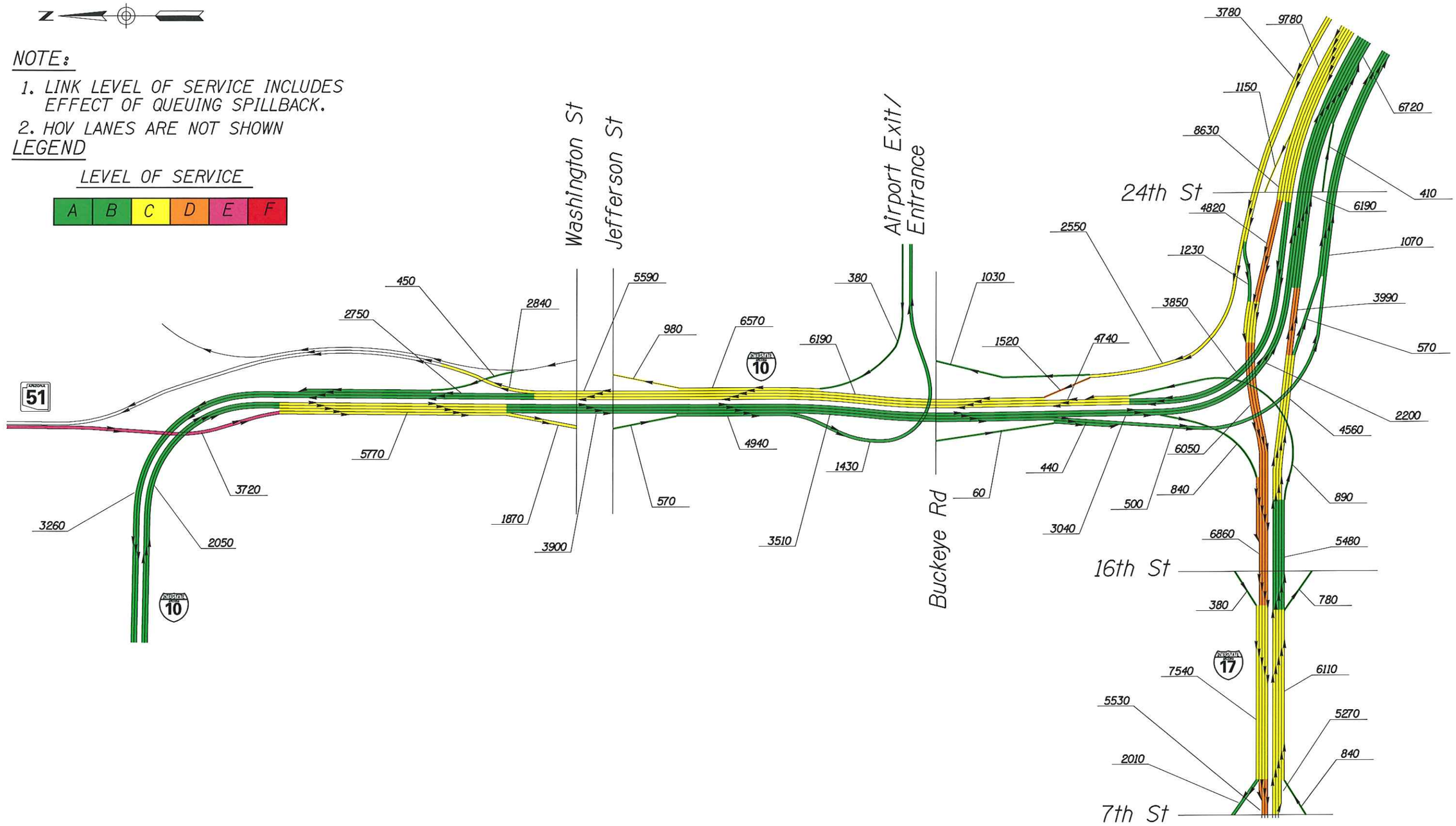
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
24TH STREET OPTION 1
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\24th Street\24StDIAM.dgn

3/15/2007

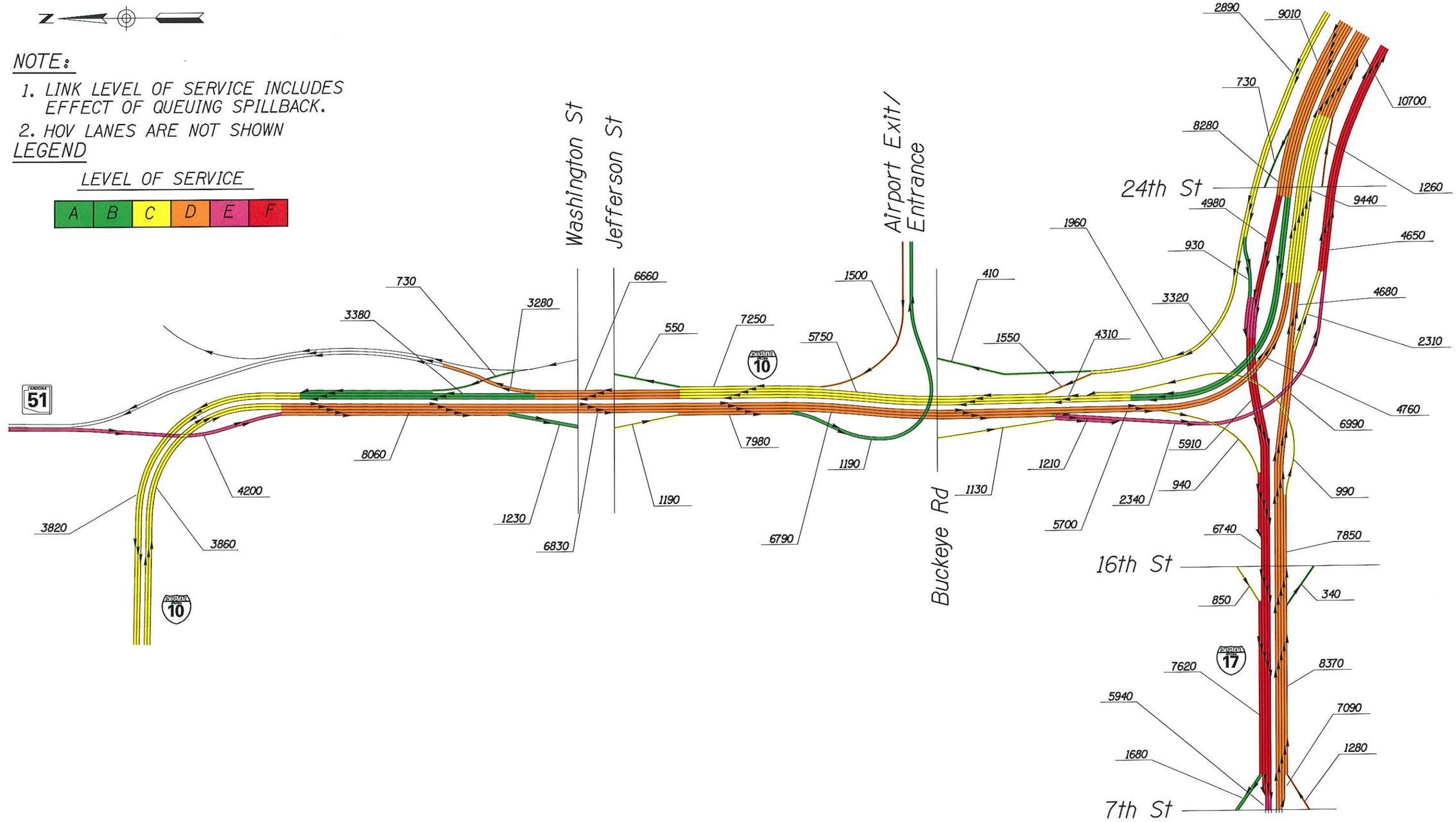
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

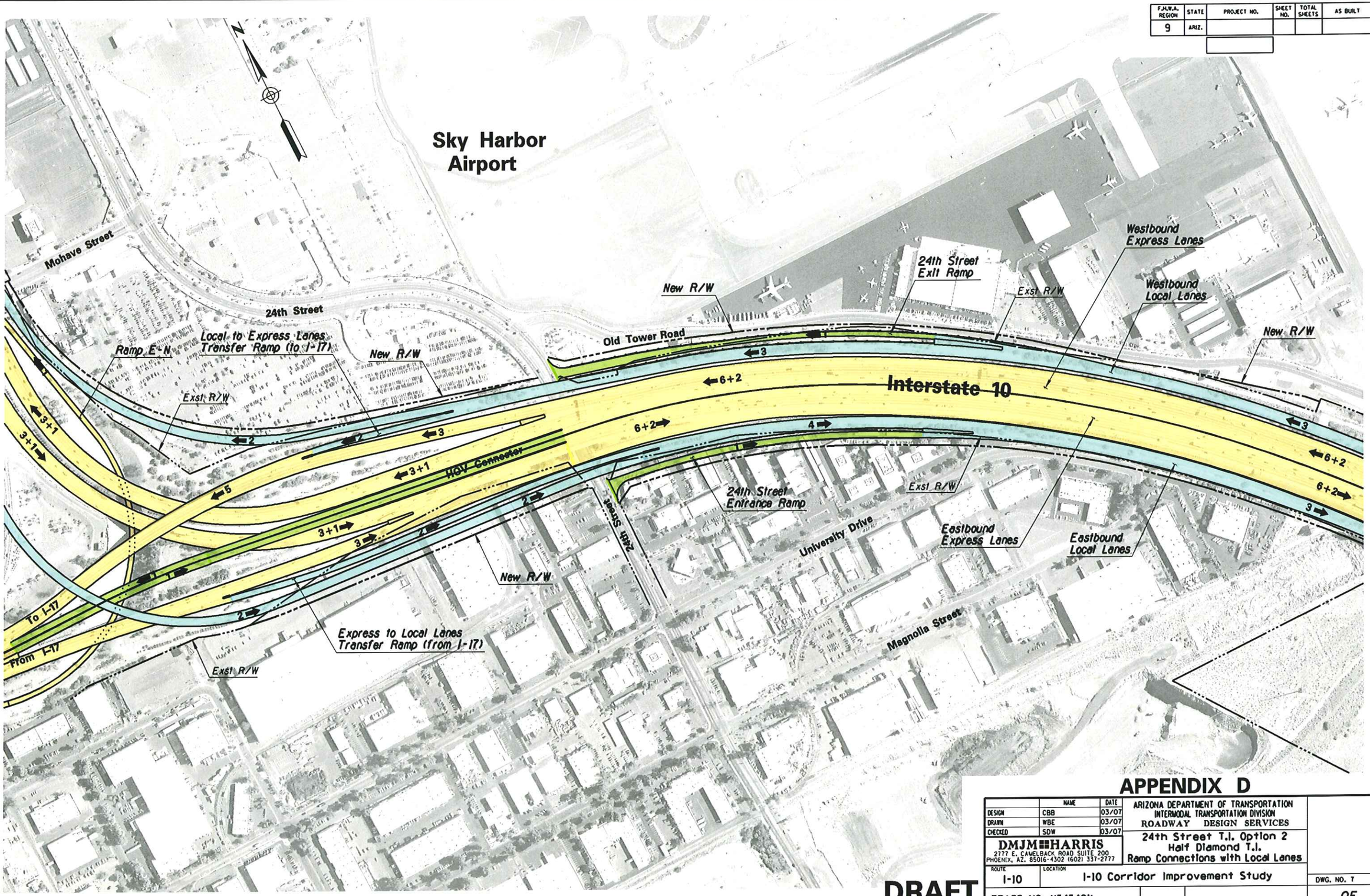
NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
24TH STREET OPTION 1
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\24th Street\24StOIPM.dgn

3/15/2007

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

24th Street T.I. Option 2
Half Diamond T.I.
Ramp Connections with Local Lanes

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

DWG. NO. 7
___ OF ___

TRACS NO. H545401L

DRAFT

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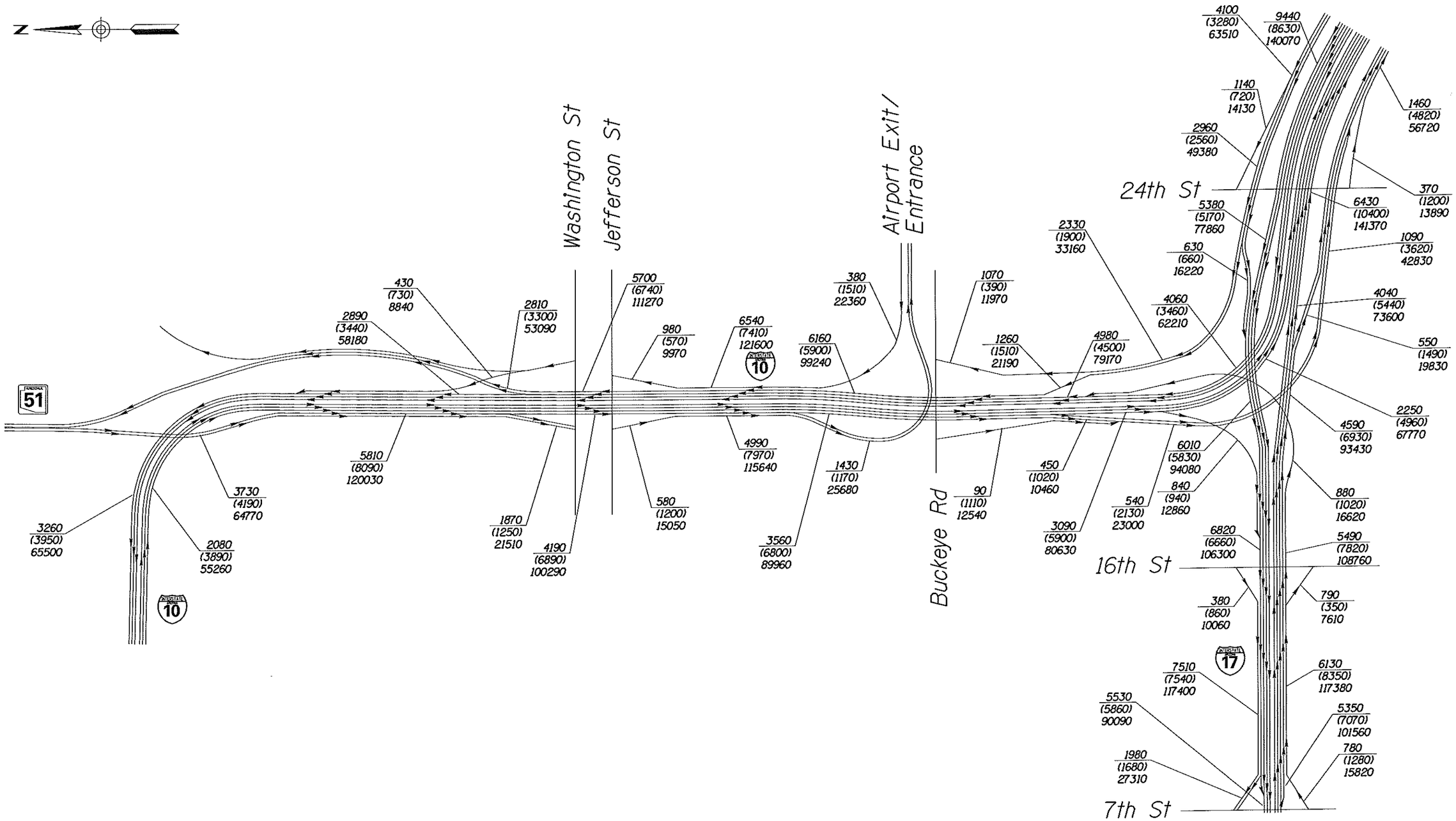
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
24TH STREET OPTION 2
2030 TRAFFIC VOLUMES
SHEET 1 OF 1

3/15/2007

n:\5445\Design\tra\2030 ASR GRAPHICS\24th Street\24St02Vol.dgn

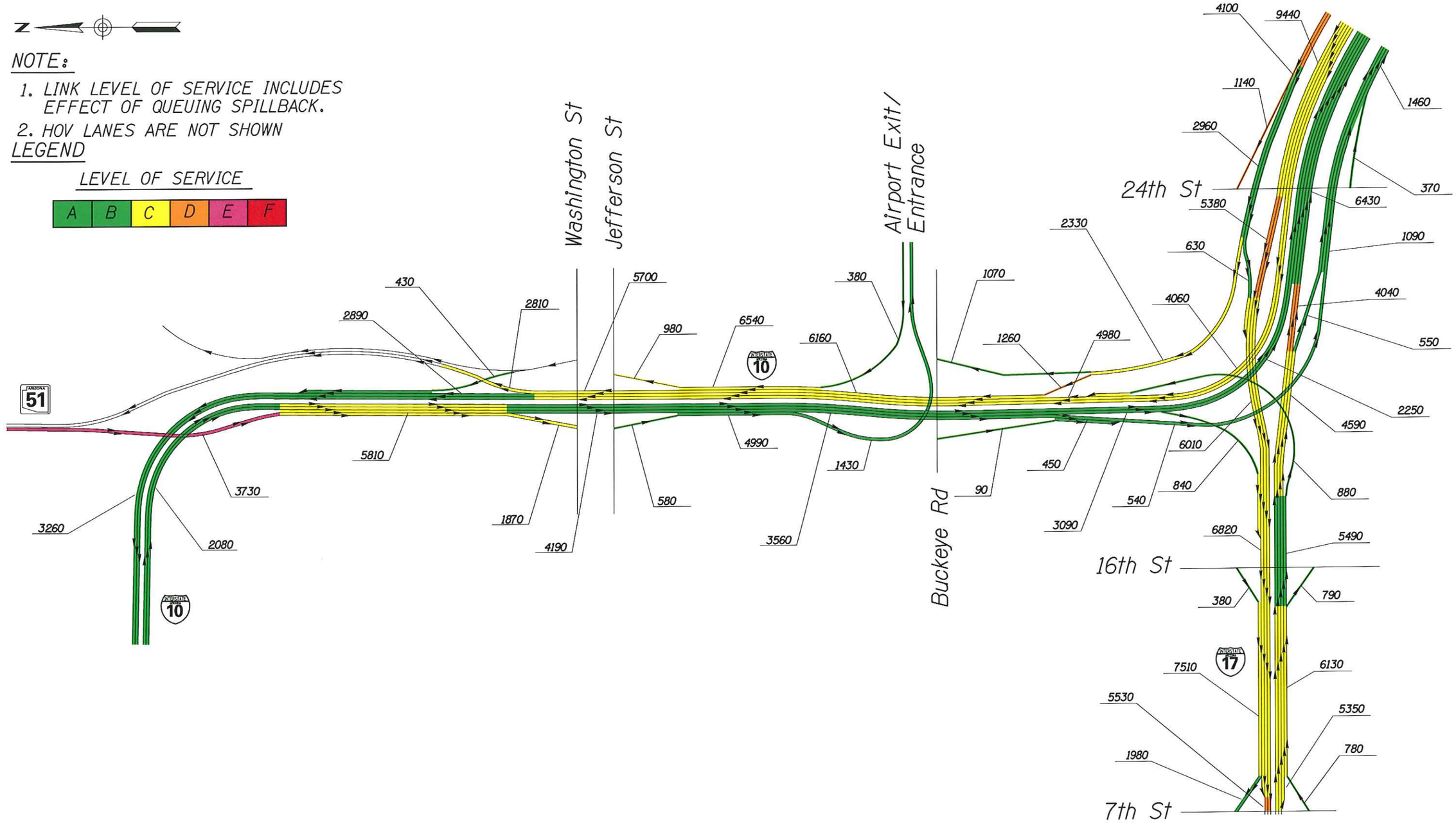
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
24TH STREET OPTION 2
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\24th Street\24St02AM.dgn

3/15/2007

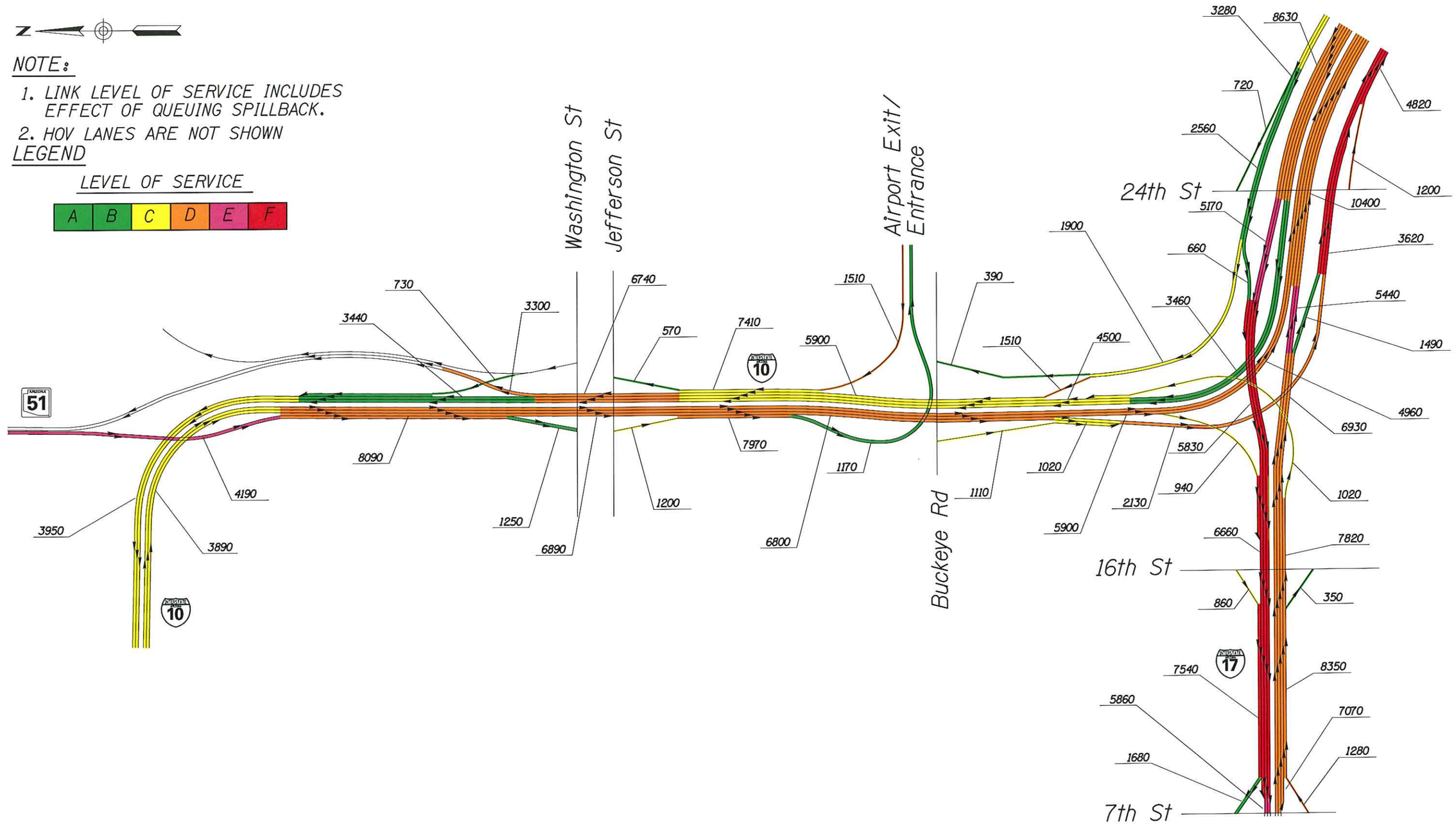
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

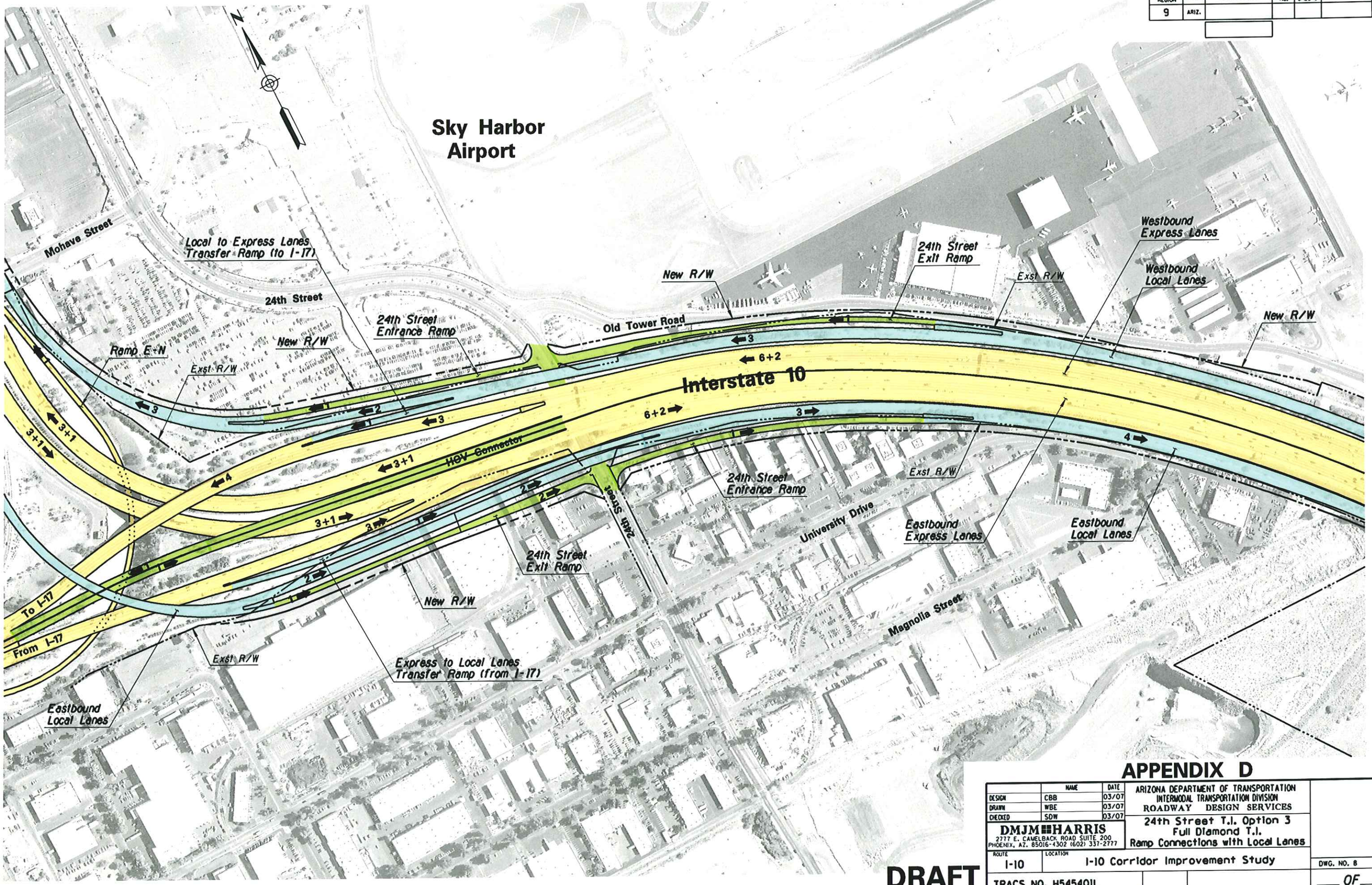
NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
24TH STREET OPTION 2
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\24th Street\24StO2PM_Rev.dgn

3/15/2007

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



DRAFT

APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

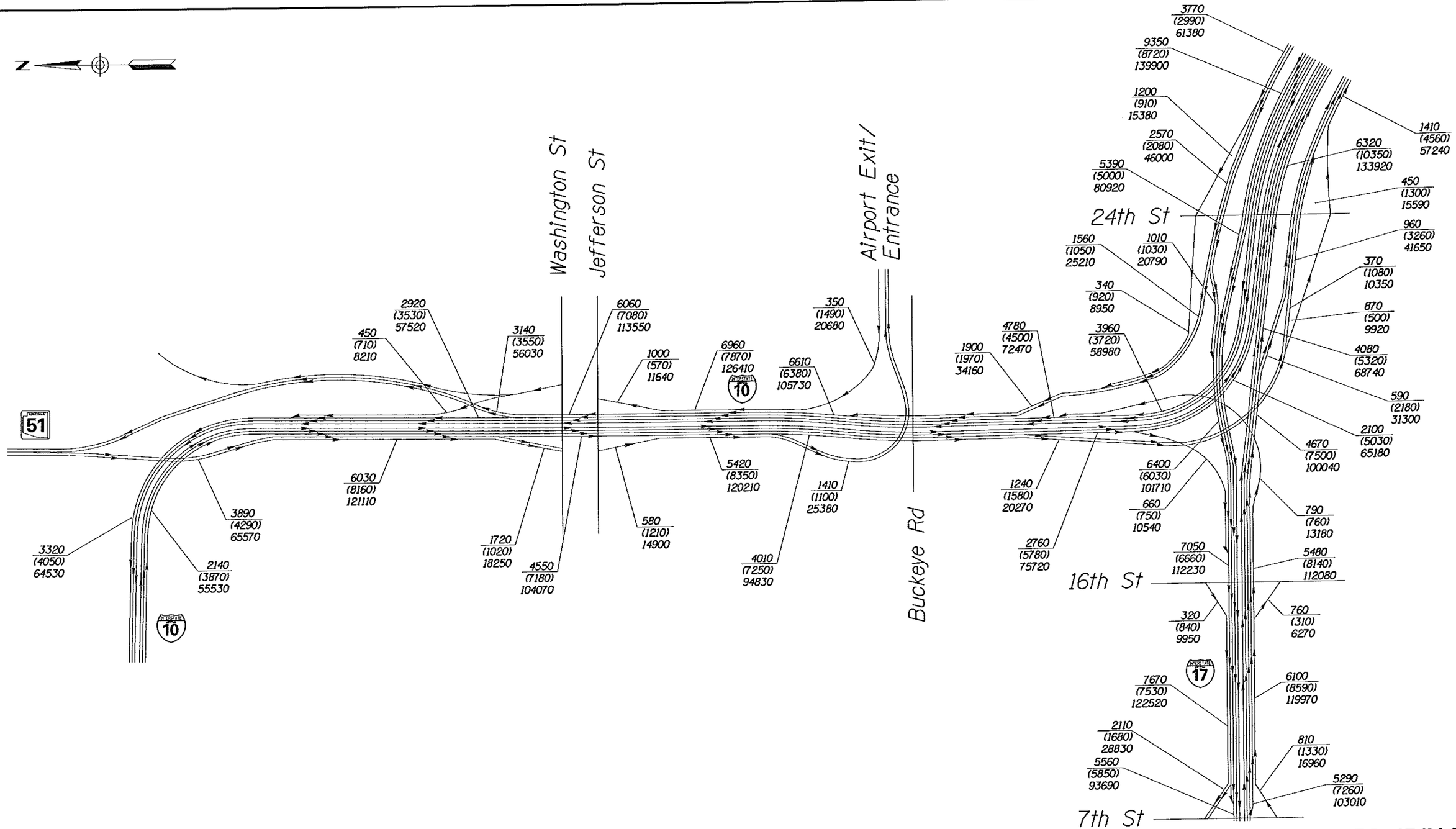
24th Street T.I. Option 3
Full Diamond T.I.
Ramp Connections with Local Lanes

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study
DWG. NO. 8
___ OF ___

TRACS NO. H545401L

3/14/2007 N:\5445\Prod\ASR\LOCAL\5445_24thSt_Opt_03.dgn

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
24TH STREET OPTION 3
2030 TRAFFIC VOLUMES
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\24th Street\24S03Vol.dgn

3/15/2007

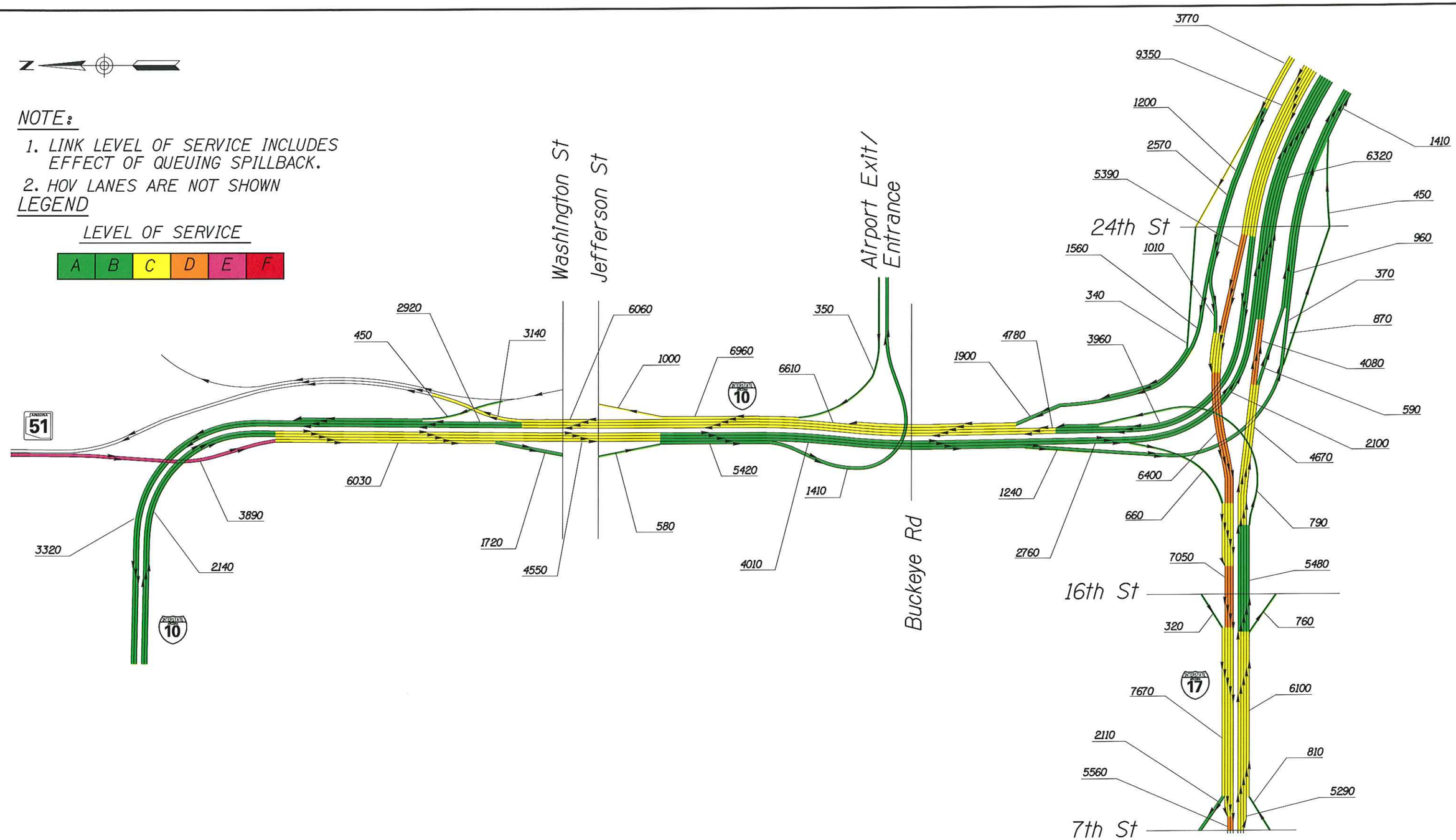
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
24TH STREET OPTION 3
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\24th Street\24St03AM.dgn

3/15/2007

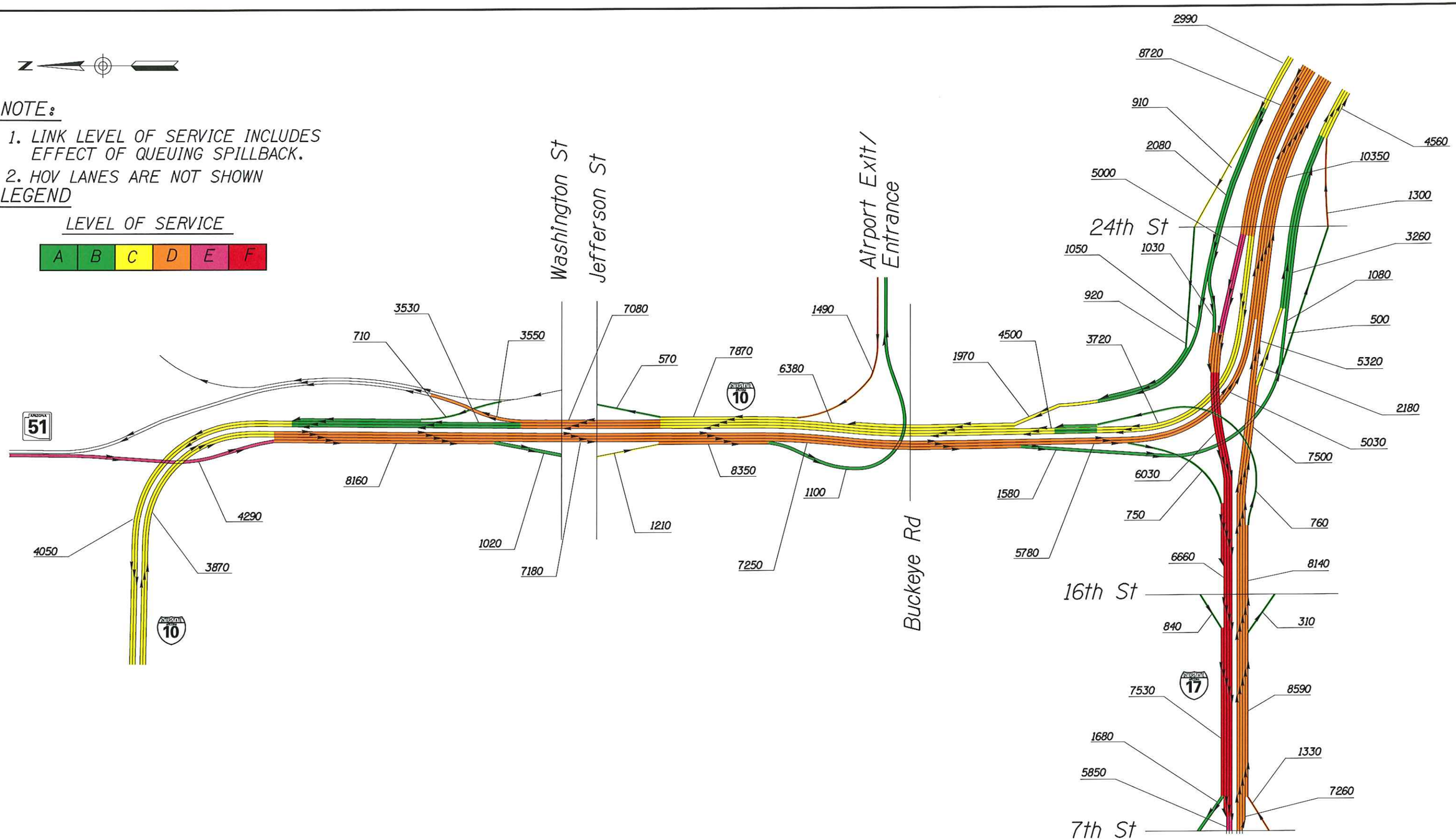
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

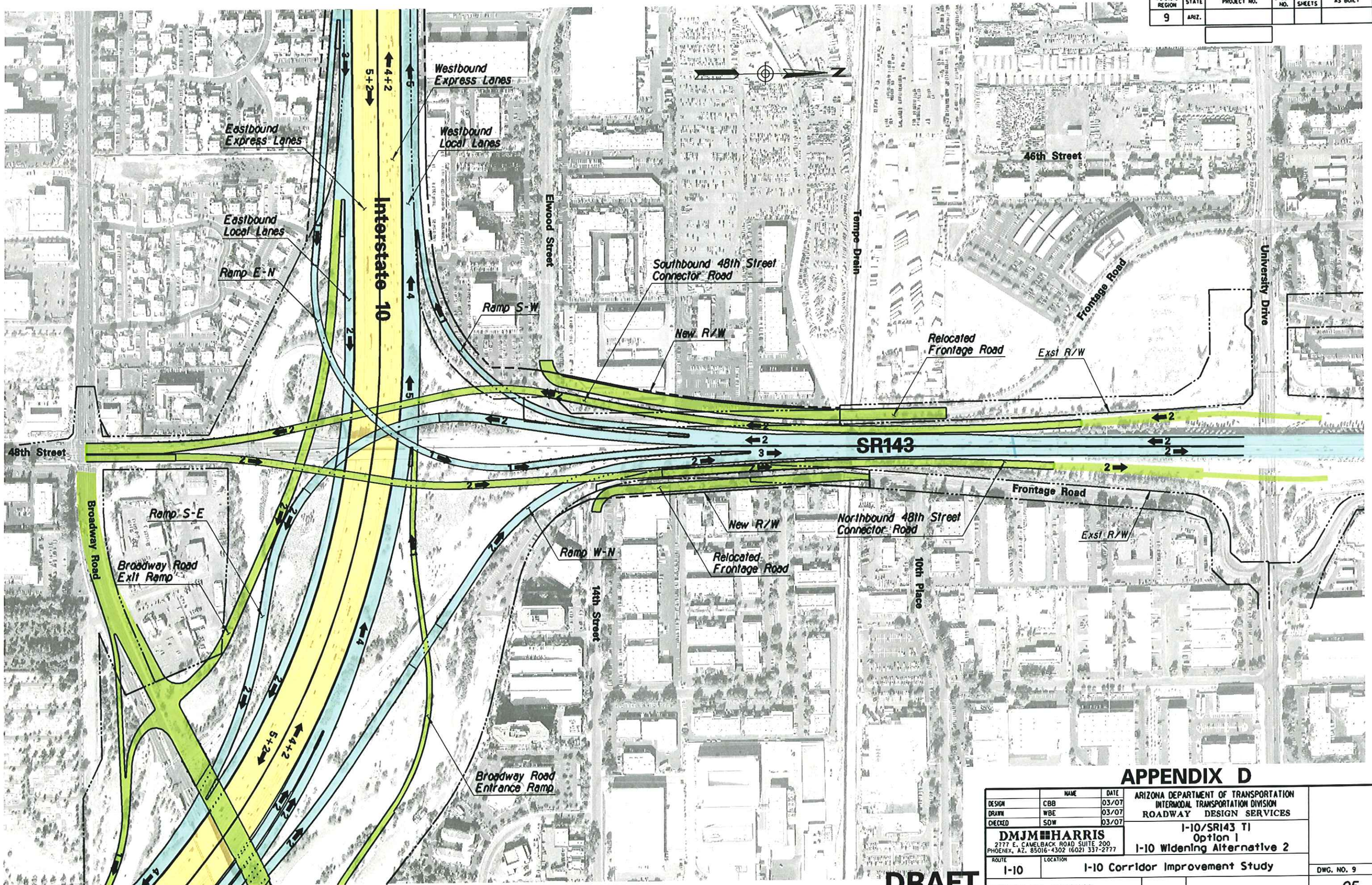
NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
24TH STREET OPTION 3
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\24th Street\24St03PM_Rev.dgn

3/15/2007

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

I-10/SR143 TI
Option I
I-10 Widening Alternative 2

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

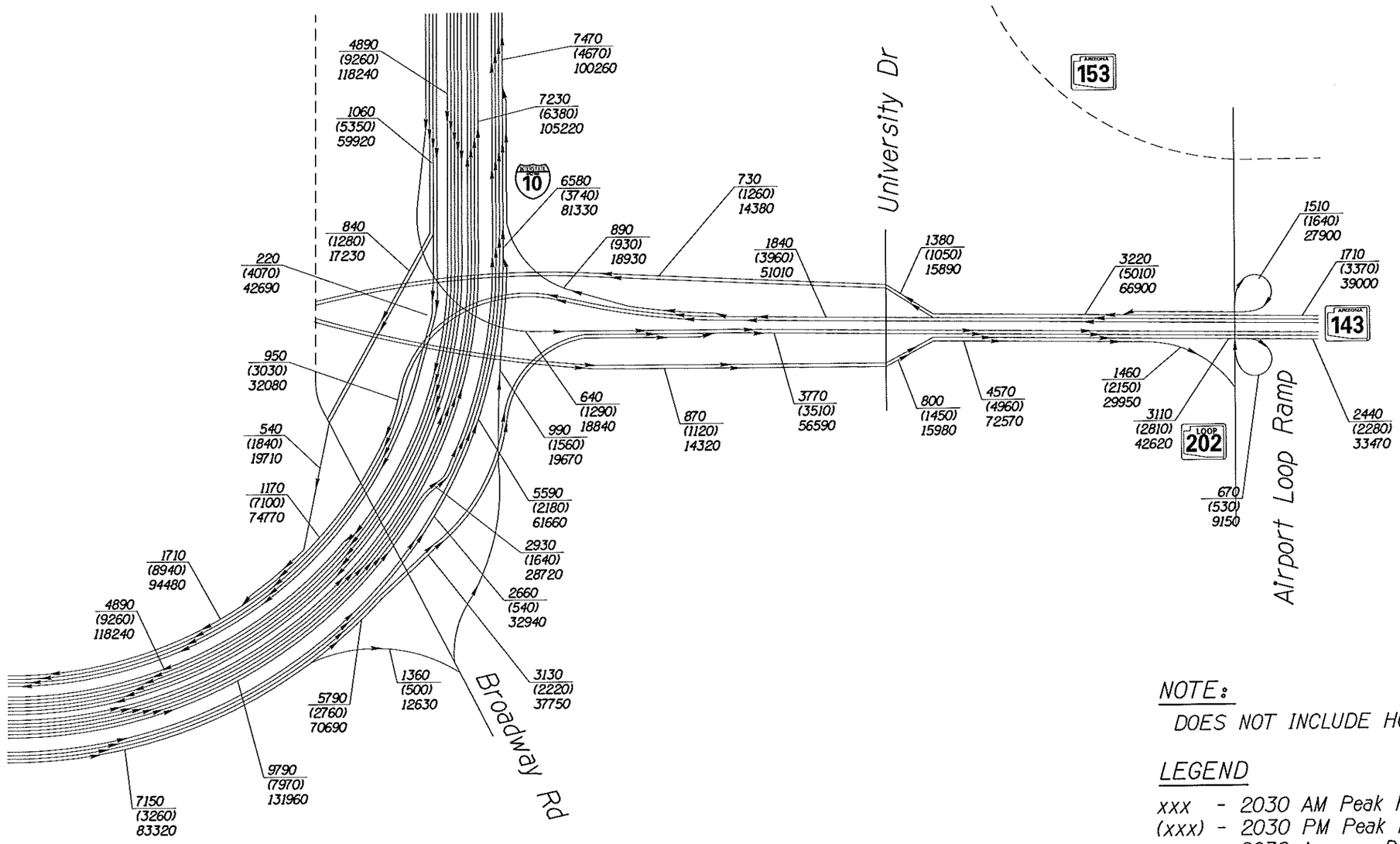
TRACS NO. H545401L

DWG. NO. 9
___ OF ___

DRAFT

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

3/13/2007 N:\5445\Prod\ASR\LOCAL\5445_Univ_Opt_01.dgn



NOTE:

DOES NOT INCLUDE HOV LANES

LEGEND

xxx - 2030 AM Peak Hour
(xxx) - 2030 PM Peak Hour
xxxx - 2030 Average Daily Traffic

I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
I-10/SR 143 TI OPTION 1
2030 TRAFFIC VOLUMES
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\University\Uni0lvol.dgn

3/15/2007

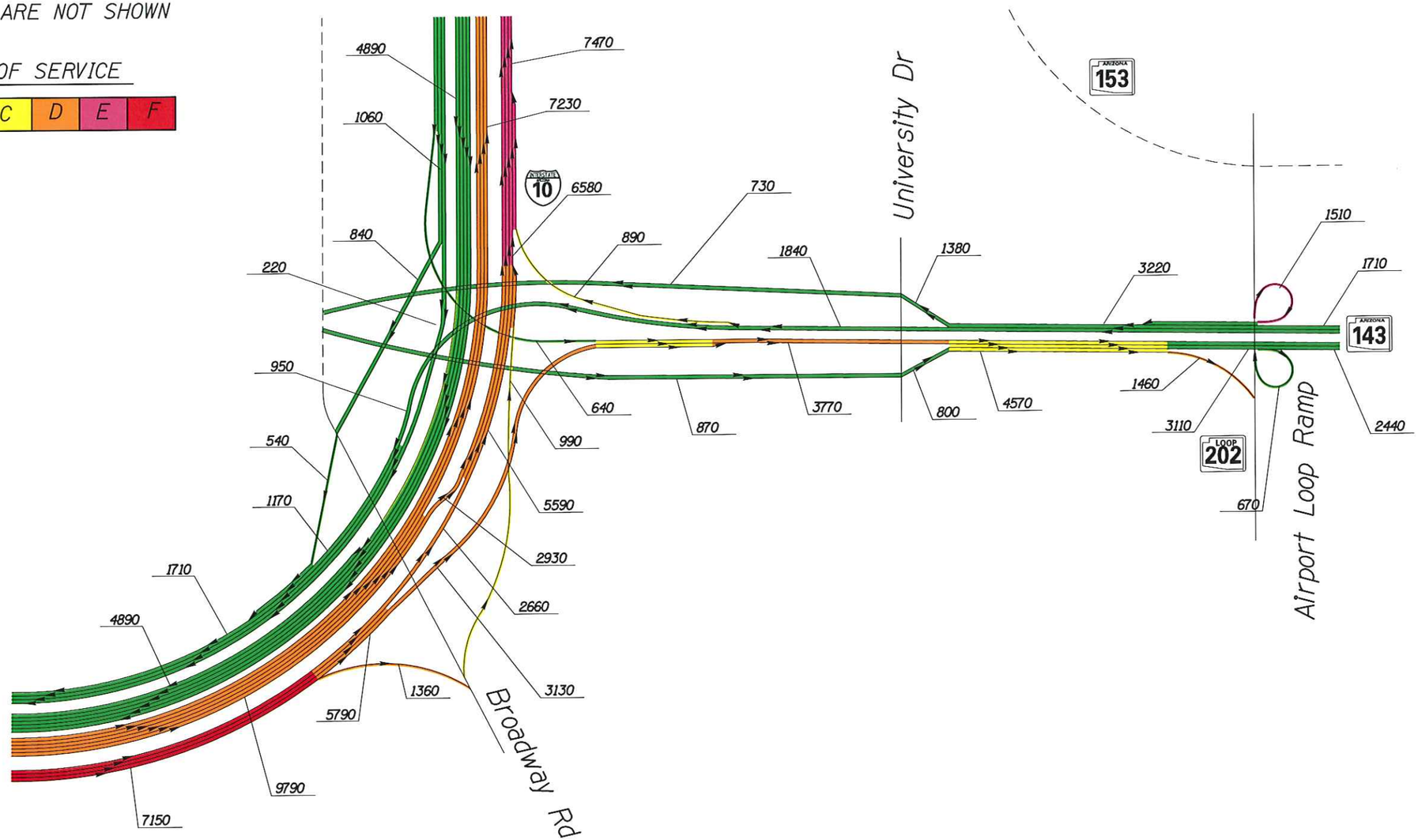
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
I-10/SR 143 TI OPTION 1
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\University\Uni01AM.dgn

3/15/2007

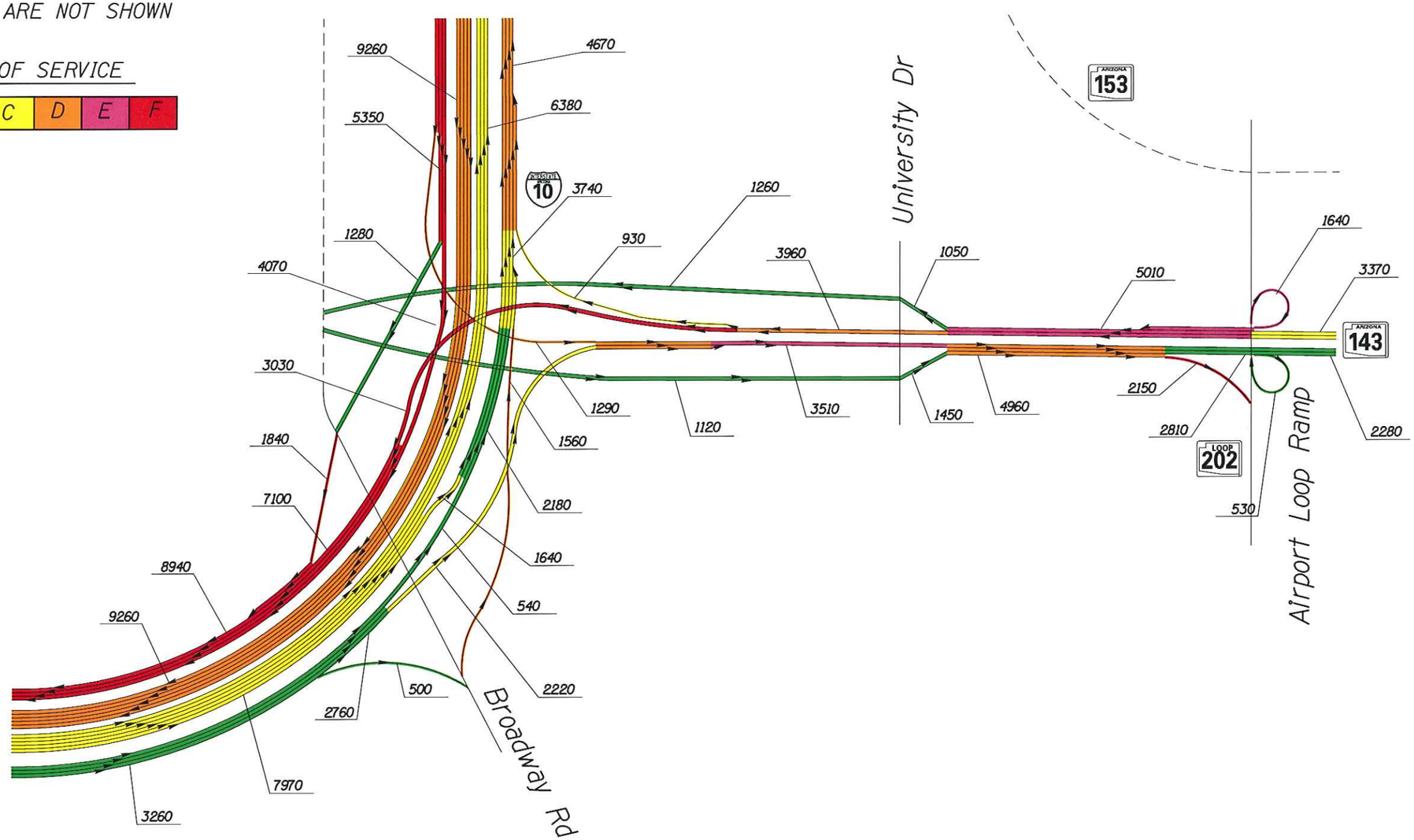
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

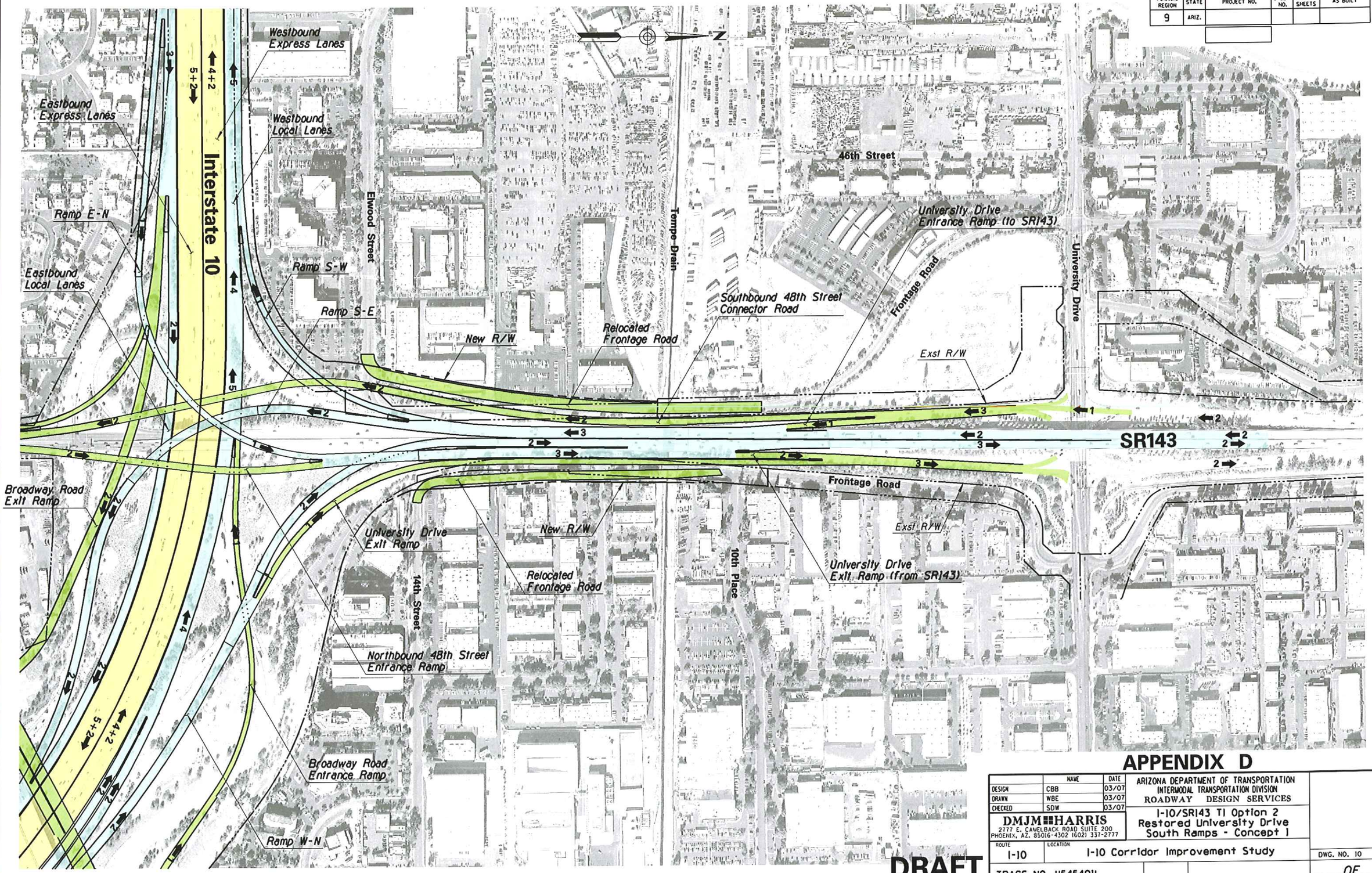
NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
I-10/SR 143 TI OPTION 1
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\UniversityUniOIPM.dgn

3/15/2007

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

DRAFT

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

I-10/SR143 TI Option 2
Restored University Drive
South Ramps - Concept 1

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

DWG. NO. 10
___ OF ___

TRACS NO. H545401L

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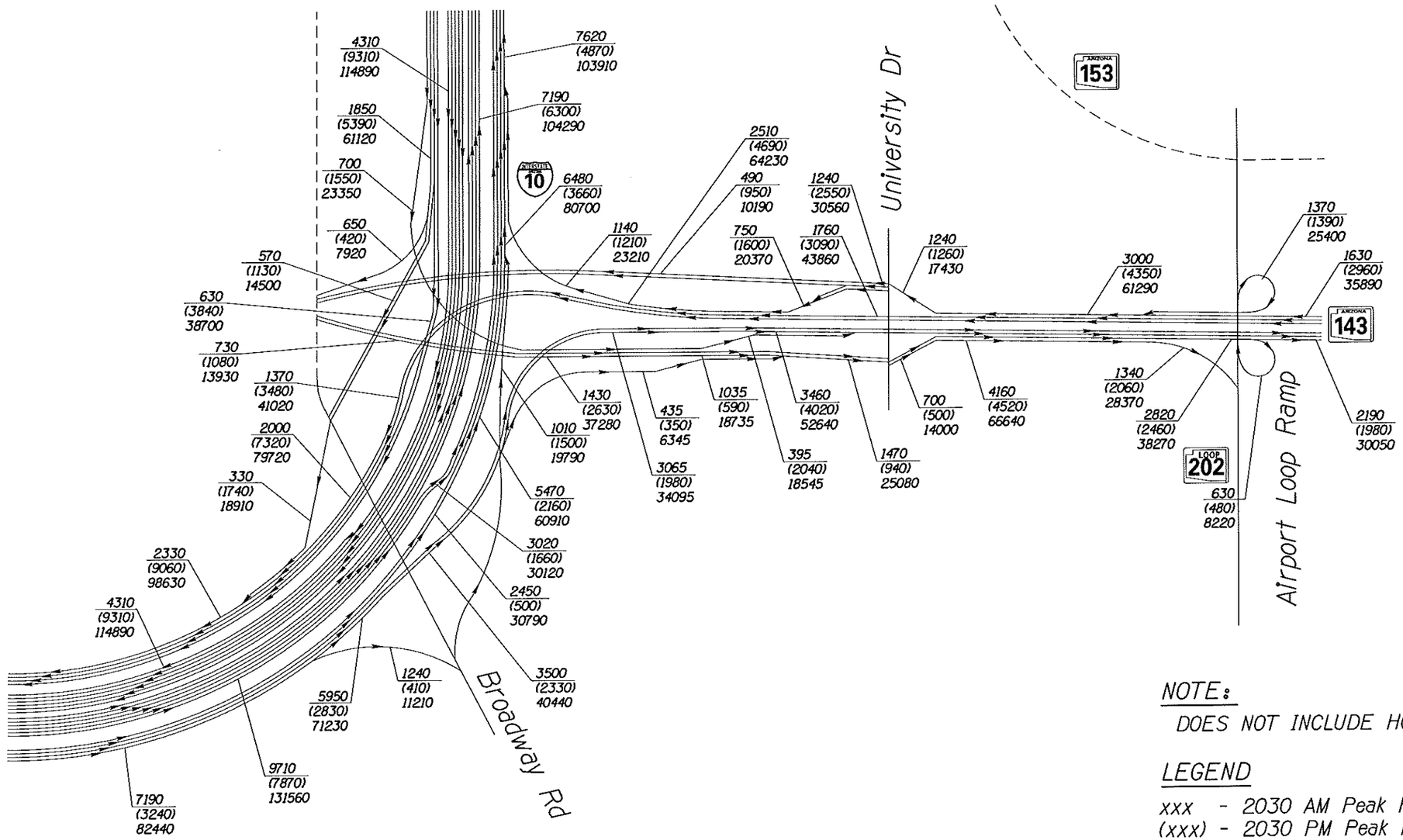


NOTE:

DOES NOT INCLUDE HOV LANES

LEGEND

xxx - 2030 AM Peak Hour
(xxx) - 2030 PM Peak Hour
xxxx - 2030 Average Daily Traffic

I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
I-10/SR 143 TI OPTION 2
2030 TRAFFIC VOLUMES
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\University\Un02Vol.dgn

3/15/2007

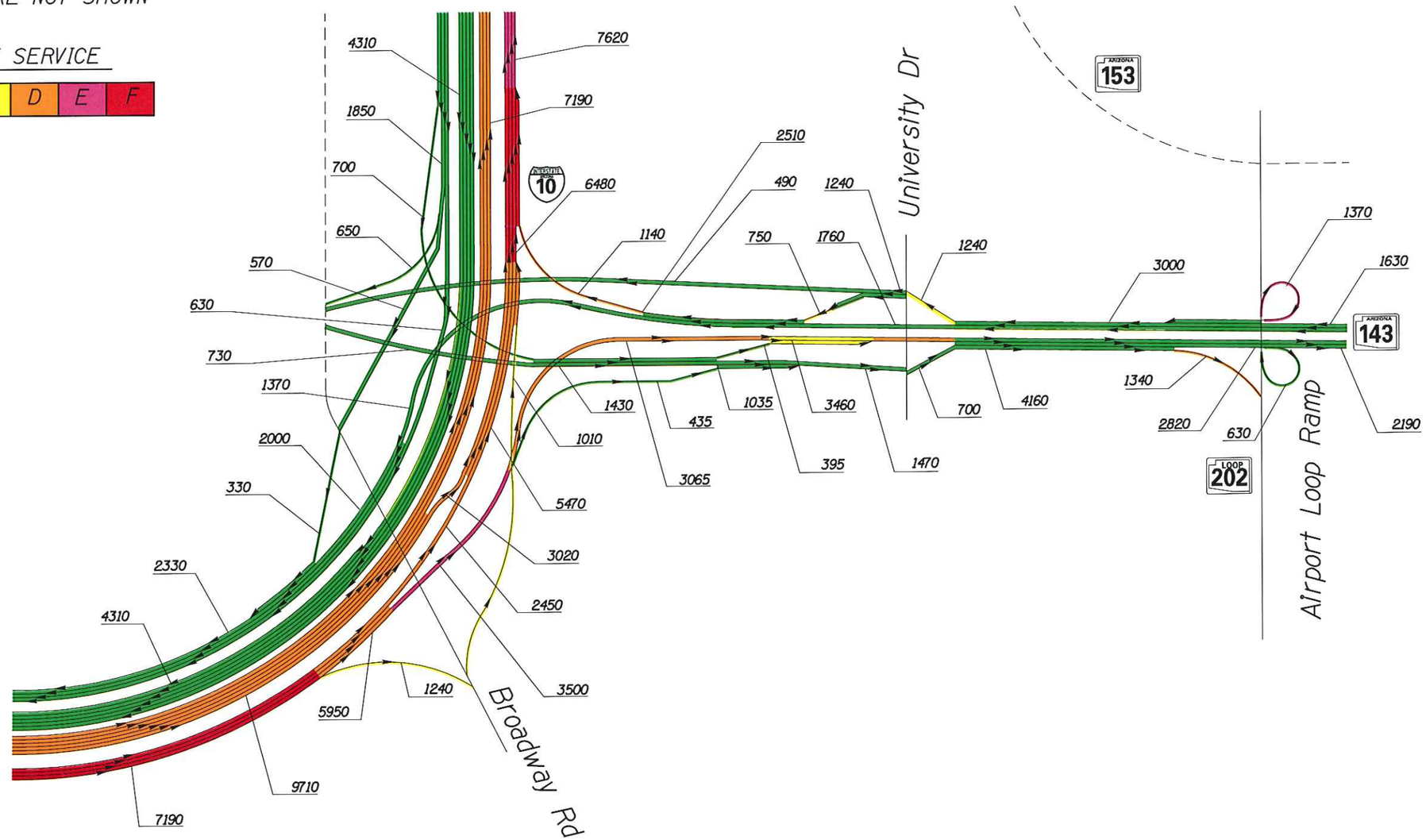
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
I-10/SR 143 TI OPTION 2
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\University\Un02AM_Rev.dgn

3/15/2007

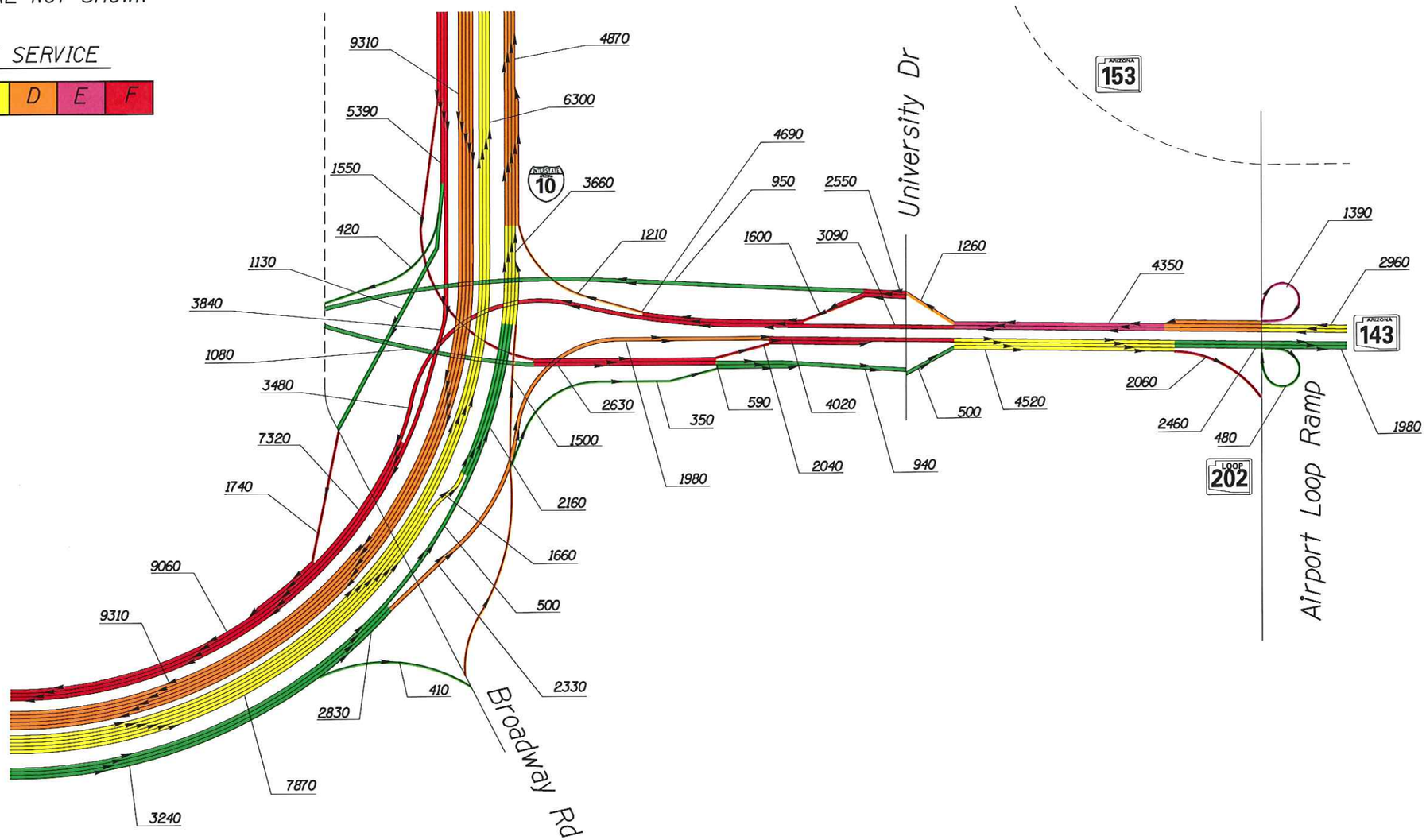
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

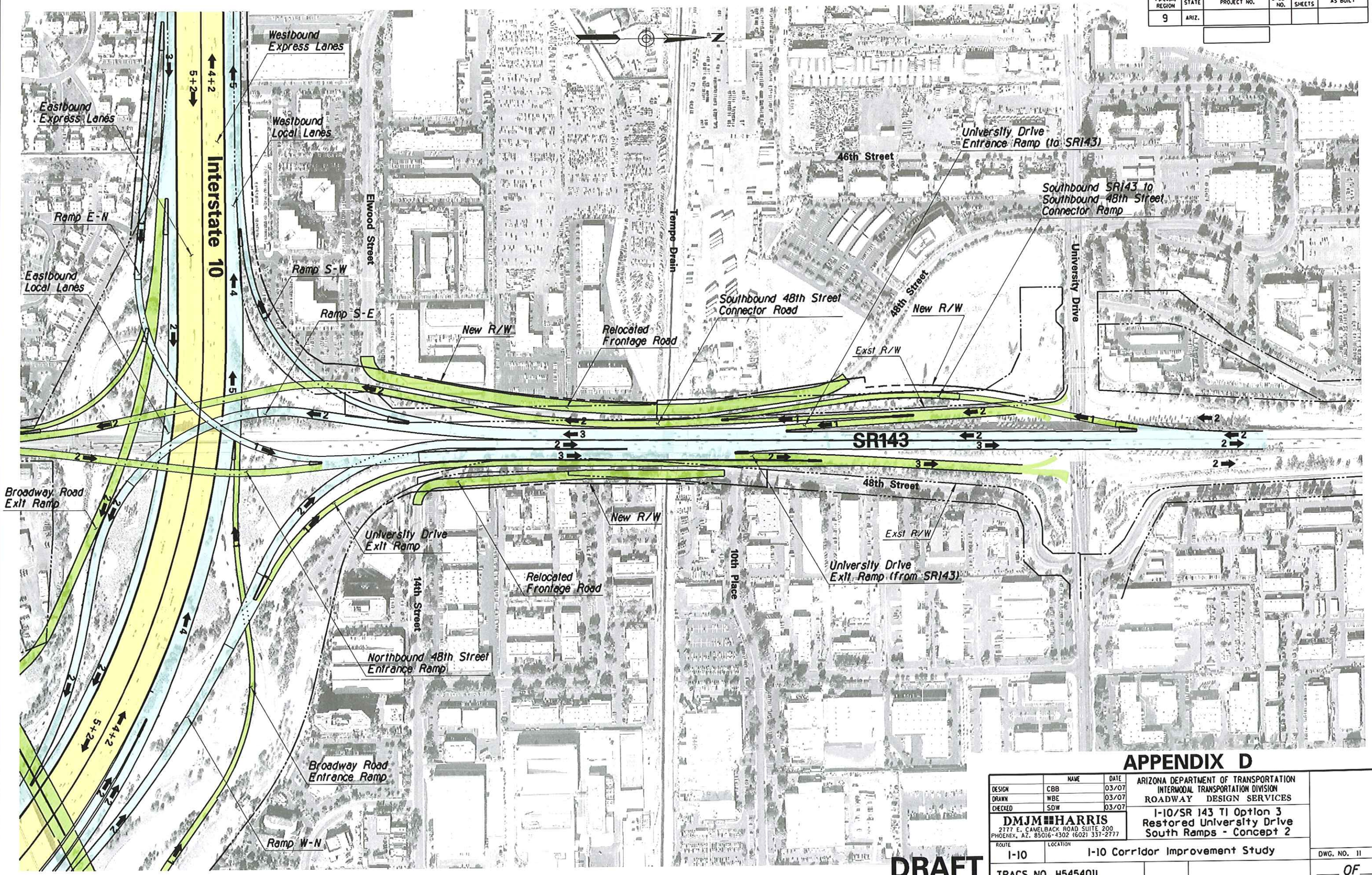
NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
I-10/SR 143 TI OPTION 2
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\University\Un02PM_Rev.dgn

3/15/2007

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

I-10/SR 143 TI Option 3
Restored University Drive
South Ramps - Concept 2

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

DWG. NO. 11
___ OF ___

TRACS NO. H545401L

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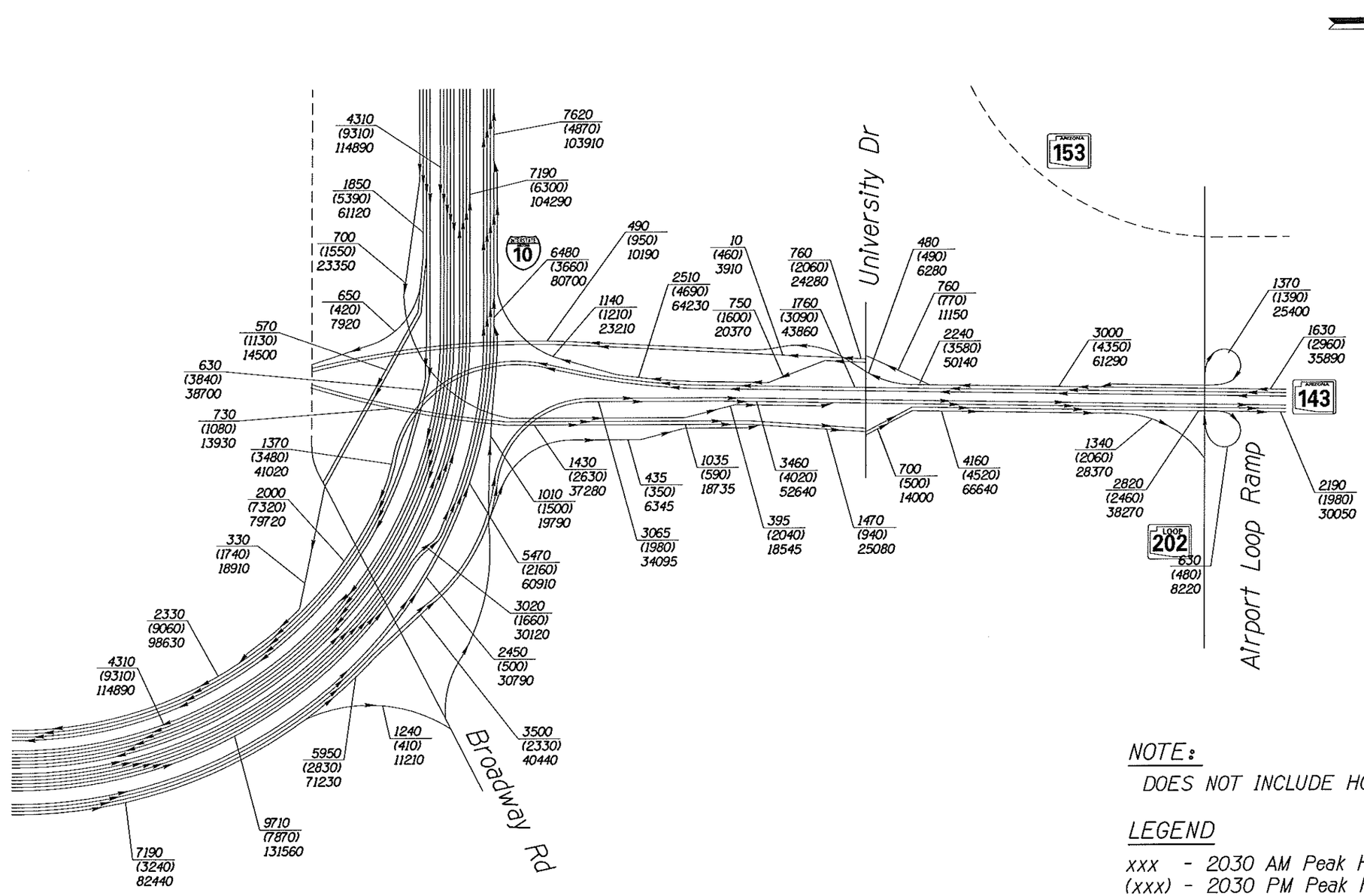
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-



NOTE:

DOES NOT INCLUDE HOV LANES

LEGEND

xxx - 2030 AM Peak Hour
(xxx) - 2030 PM Peak Hour
xxxx - 2030 Average Daily Traffic

I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
I-10/SR 143 TI OPTION 3
2030 TRAFFIC VOLUMES
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\University\Un03Vol.dgn

3/15/2007

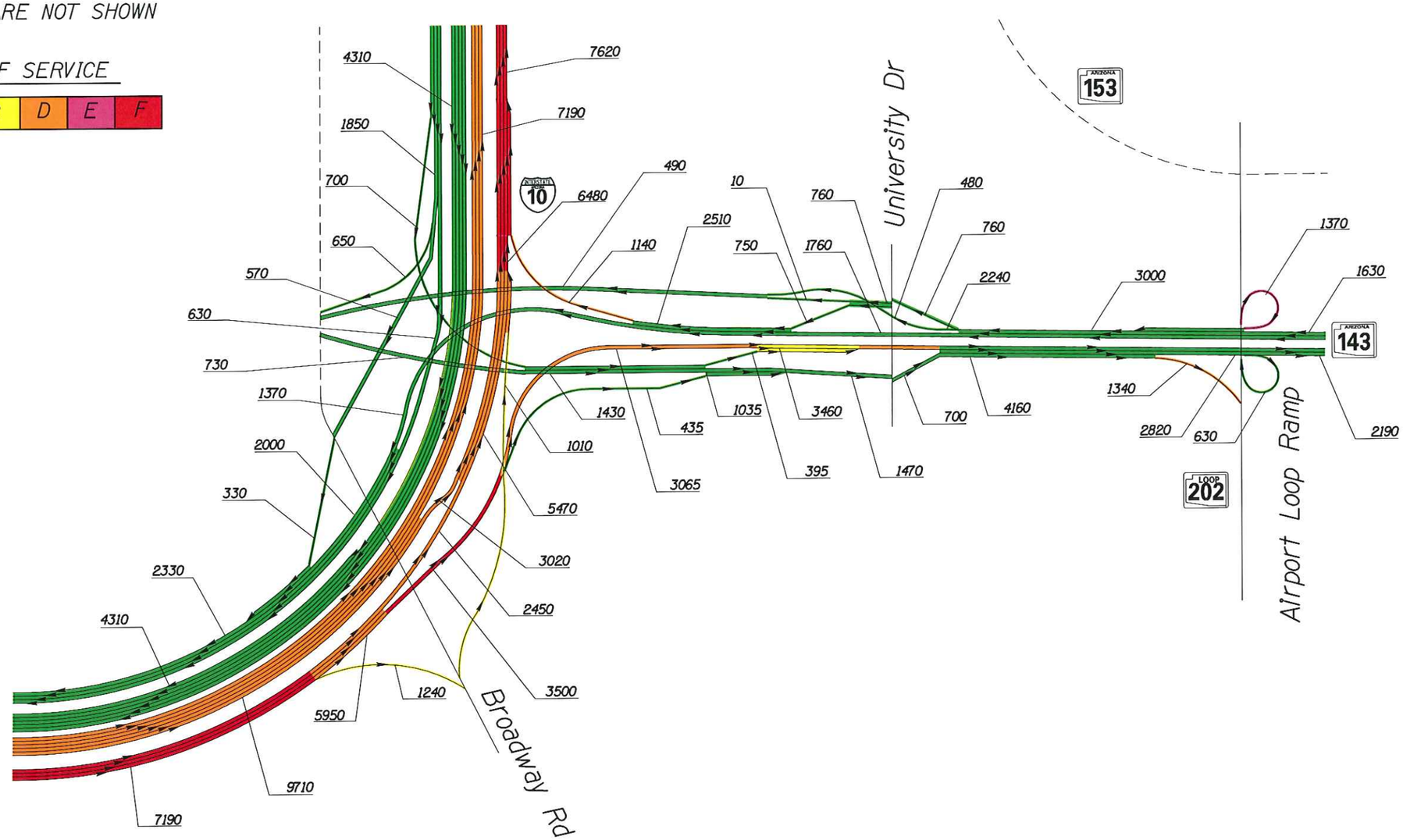
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
I-10/SR 143 TI OPTION 3
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\University\Uni03AM_Rev.dgn

3/15/2007

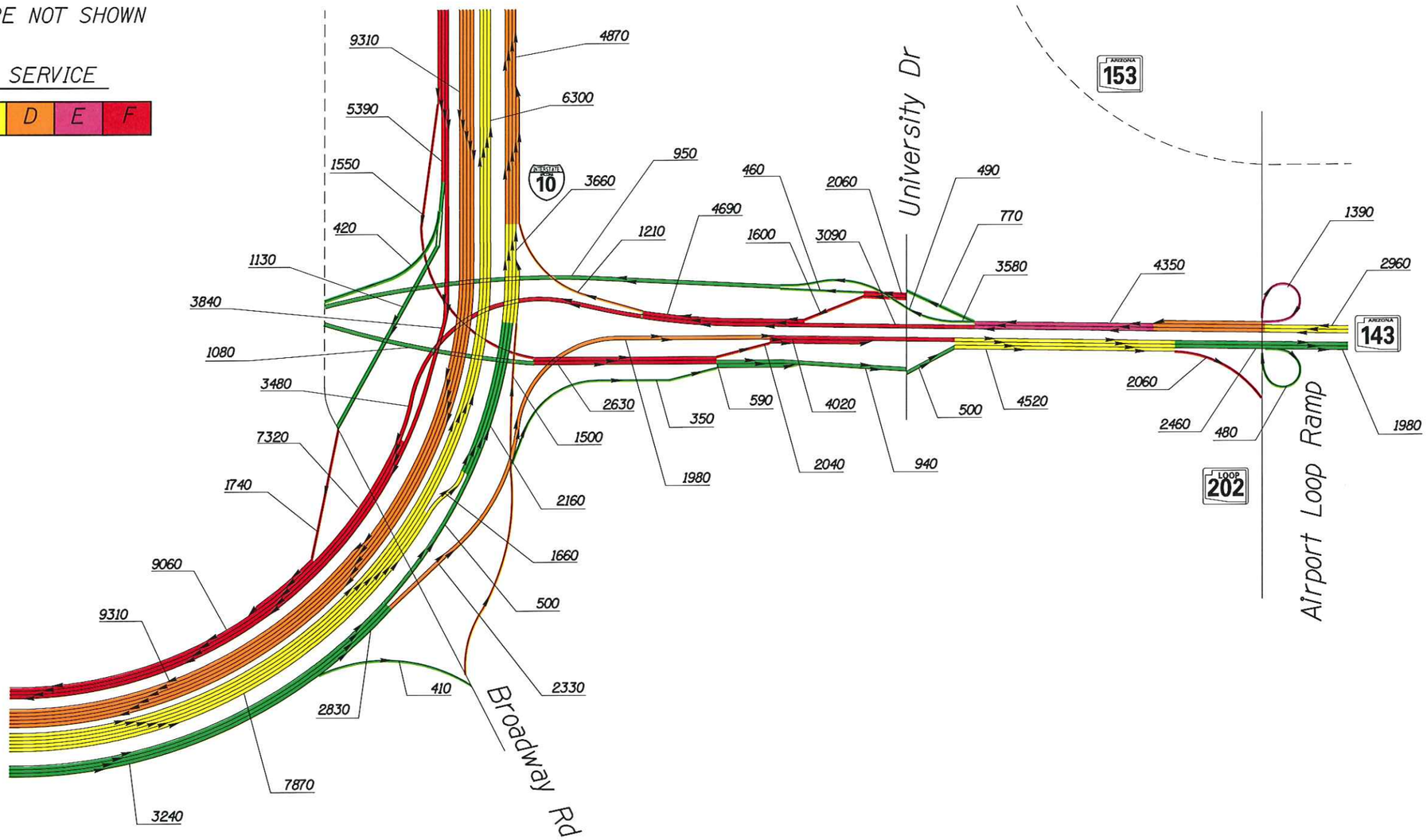
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

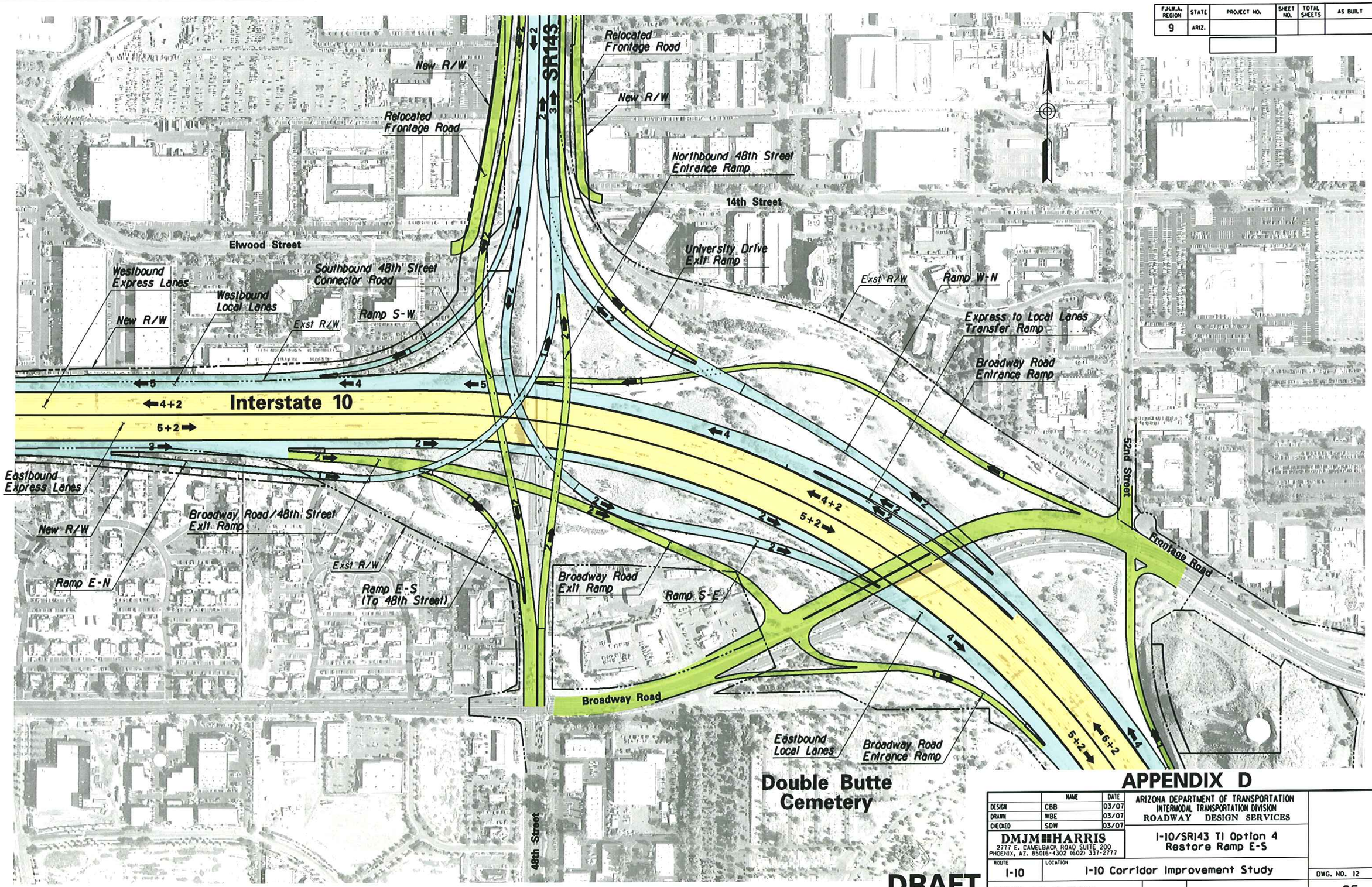
APPENDIX D
I-10/SR 143 TI OPTION 3
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1

NOT TO SCALE - SCHEMATIC ONLY

n:\5445\Design\tra\2030 ASR GRAPHICS\University\Un03PM.dgn

3/15/2007

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

I-10/SR143 TI Option 4
Restore Ramp E-S

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

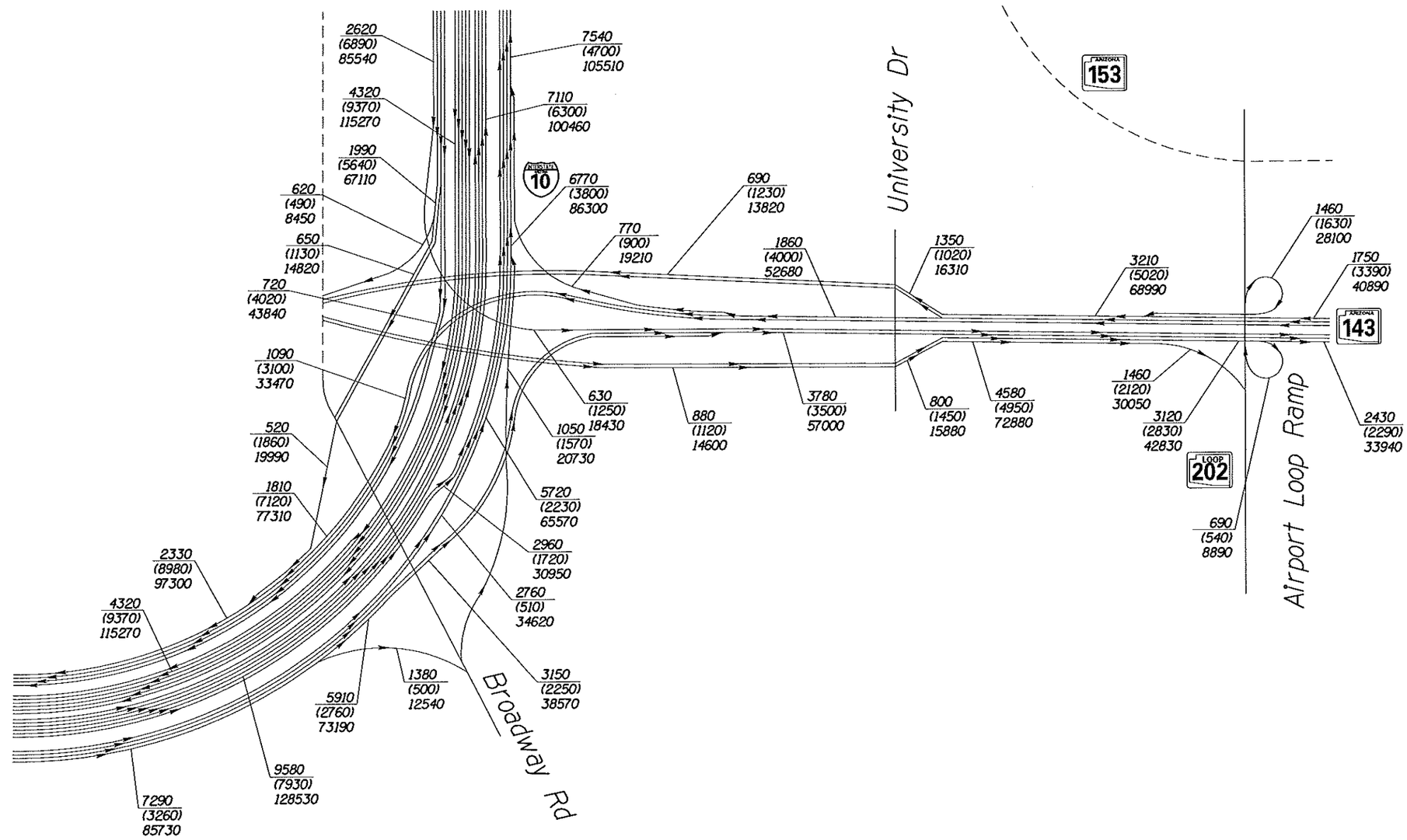
DWG. NO. 12
___ OF ___

TRACS NO. H545401L

DRAFT

SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

3/15/2007 N:\5445\prod\ASR\LOCAL\5445_48thSt.Opt.01.dgn



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
I-10/SR 143 TI OPTION 4
2030 TRAFFIC VOLUMES
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\48th Street\48SH02Vol.dgn

3/15/2007

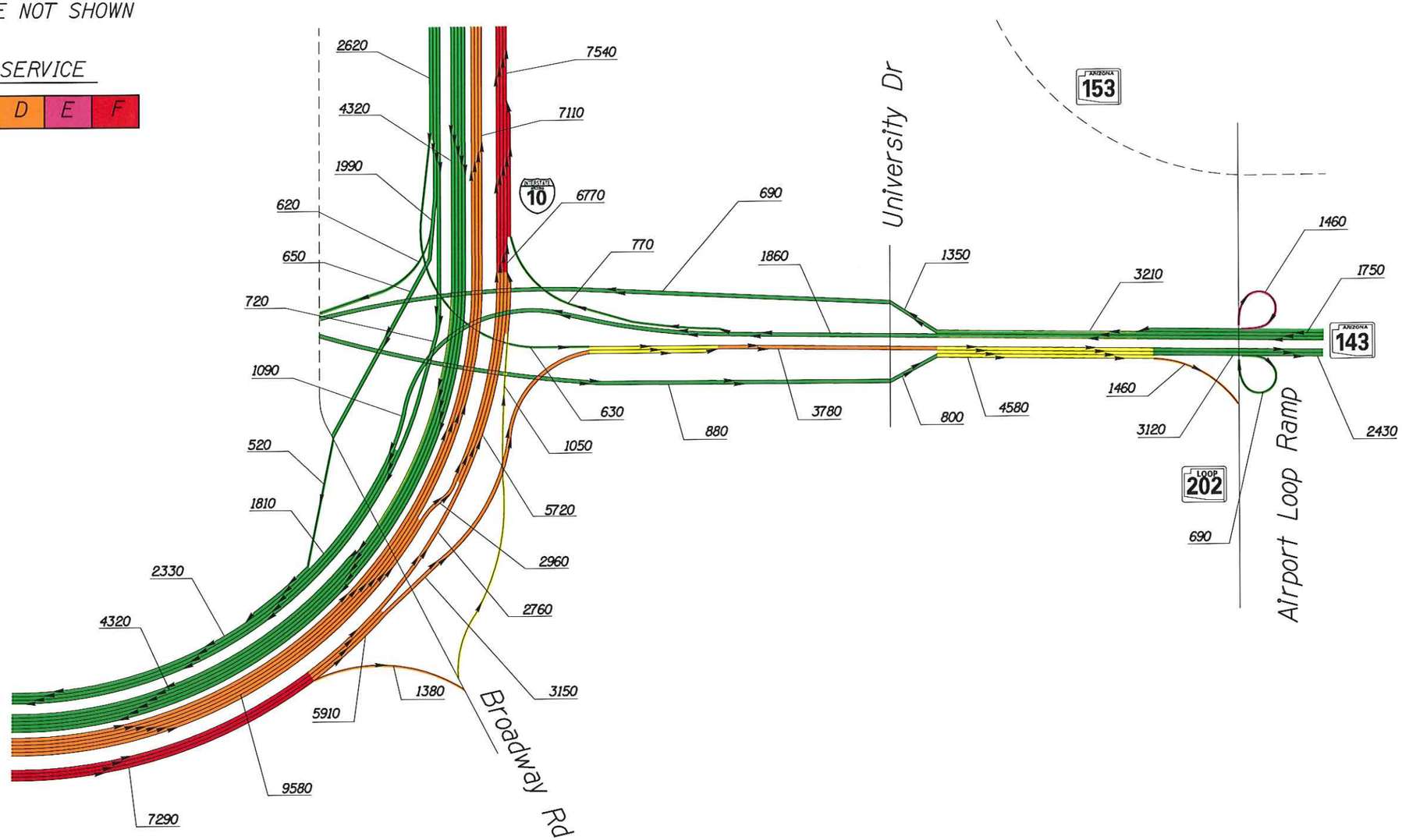
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
I-10/SR 143 TI OPTION 4
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\48th Street\48St02AM_Rev.dgn

3/15/2007

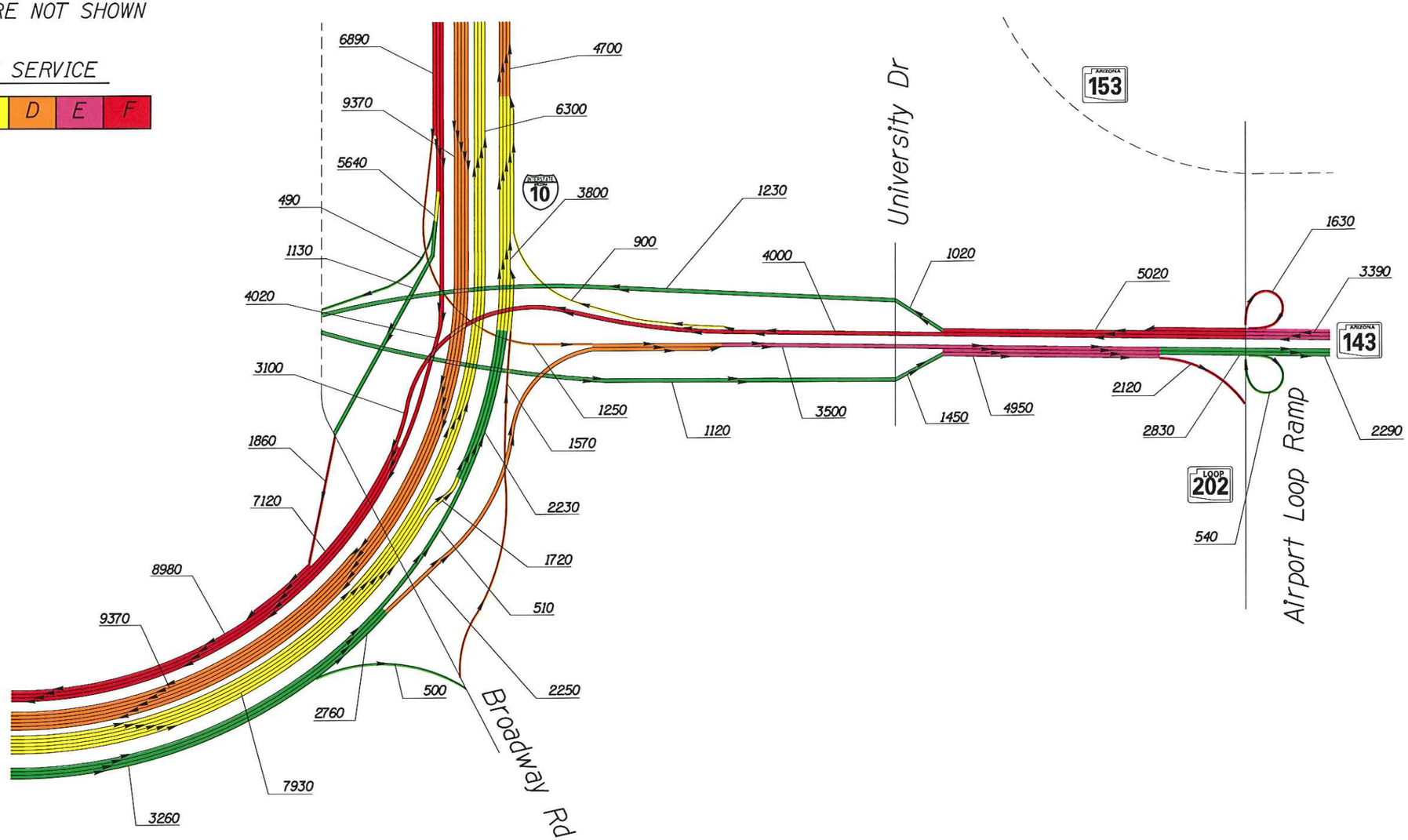
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



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3/15/2007

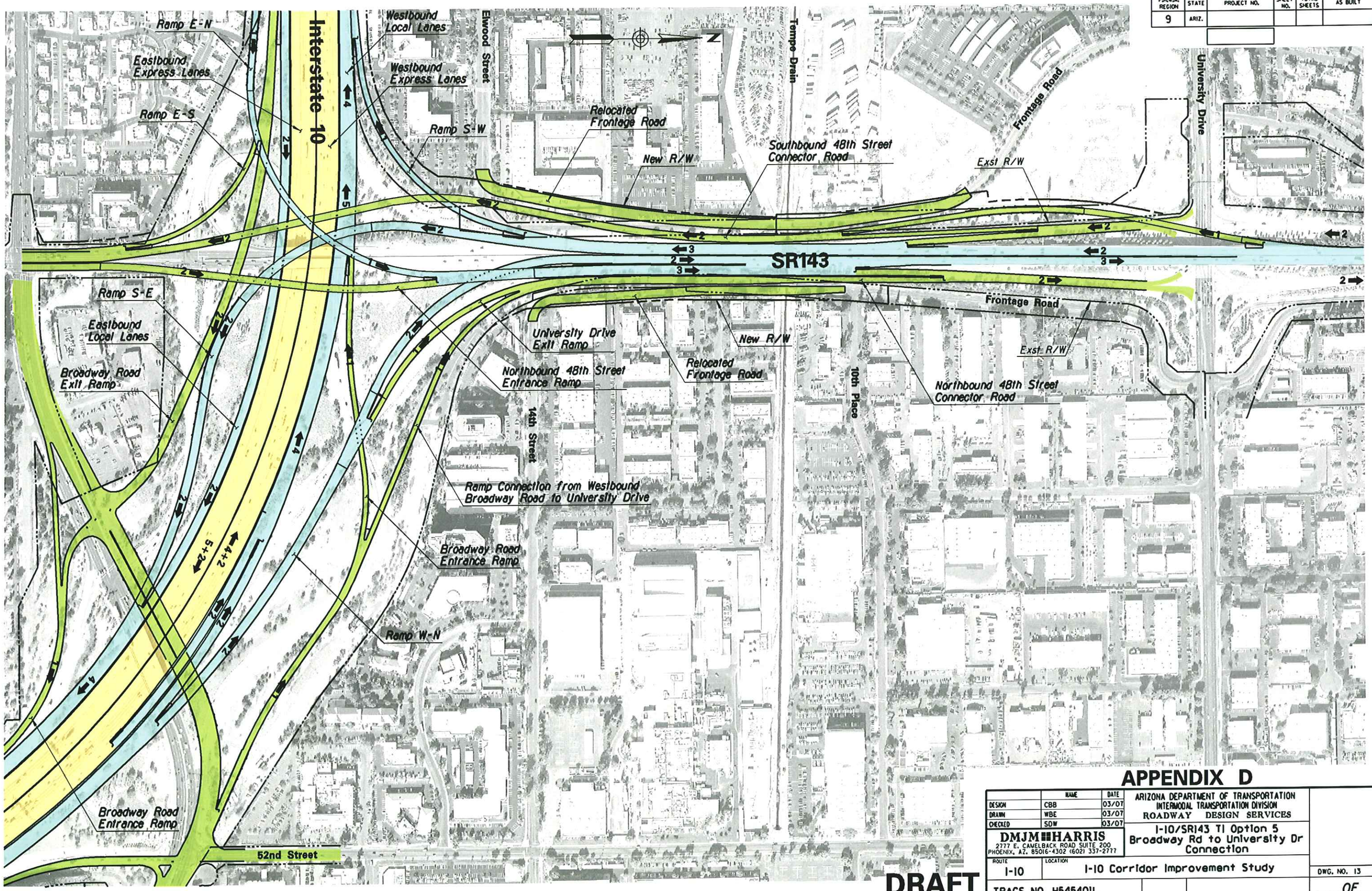
I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
I-10/SR 143 TI OPTION 4
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

I-10/SR143 TI Option 5
Broadway Rd to University Dr
Connection

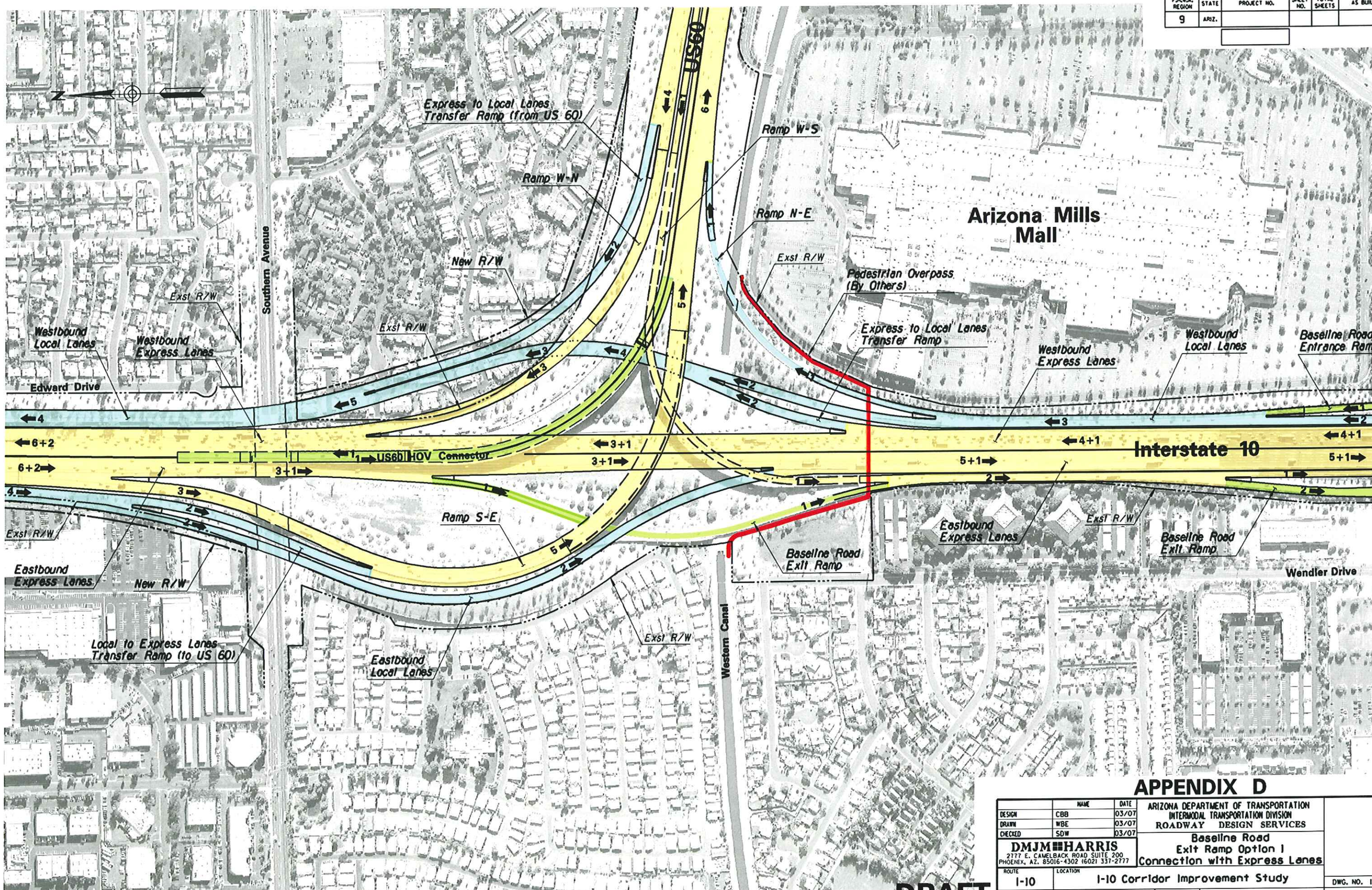
ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

DWG. NO. 13
___ OF ___

TRACS NO. H545401L

3/15/2007 N:\5445\Prod\ASR\LOCAL\5445_Broad_Opt_02.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

Baseline Road
Exit Ramp Option 1
Connection with Express Lanes

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

DWG. NO. 14
___ OF ___

TRACS NO. H545401L

DRAFT

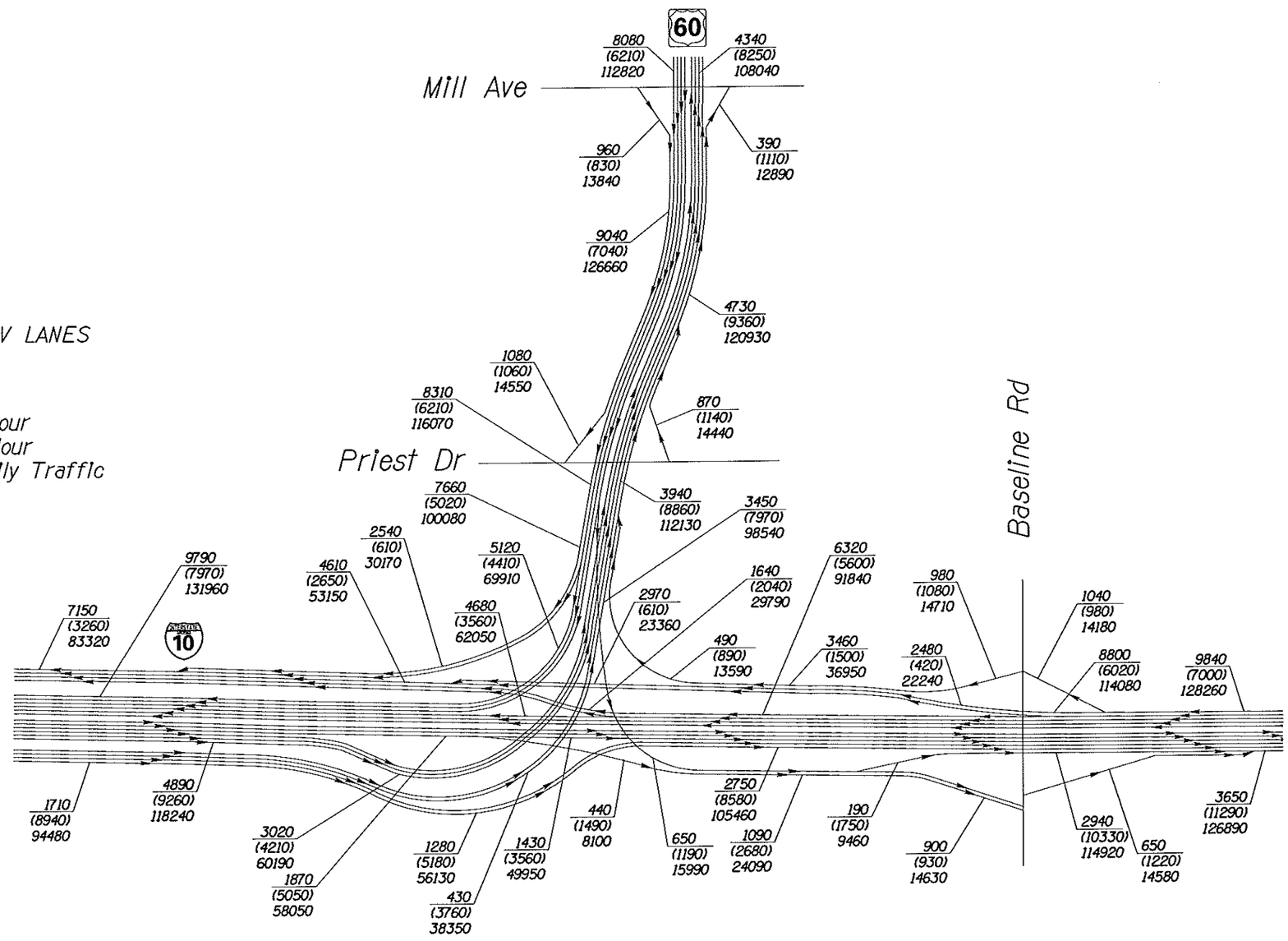
3/14/2007 N:\5445\Prod\ASR\LOCAL\5445.Base.Opt.01.dgn

NOTE:

DOES NOT INCLUDE HOV LANES

LEGEND

xxx - 2030 AM Peak Hour
(xxx) - 2030 PM Peak Hour
xxxx - 2030 Average Daily Traffic



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
BASELINE ROAD OPTION 1
2030 TRAFFIC VOLUMES
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\Baseline\B1Ovol.dgn

3/15/2007

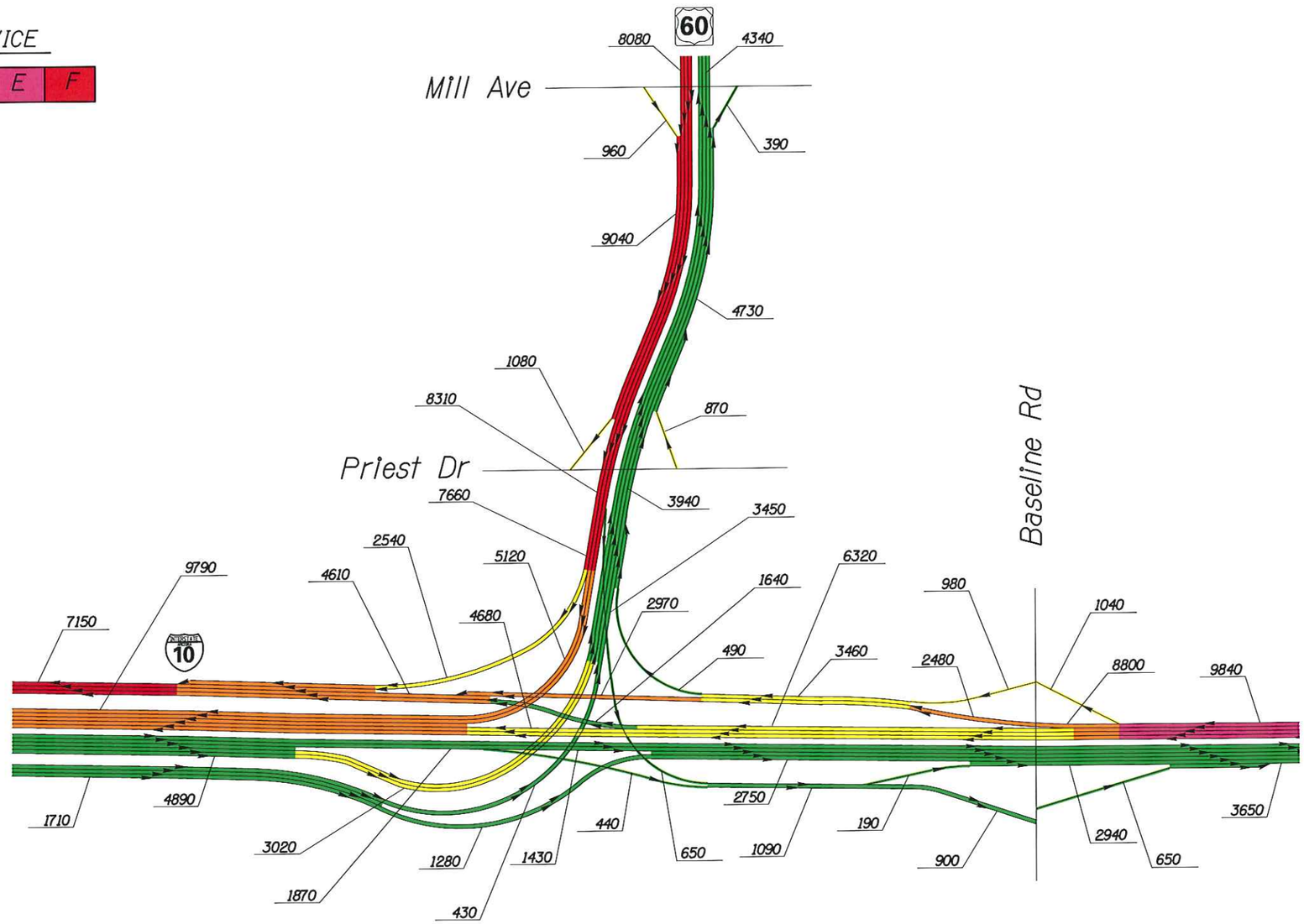
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
BASELINE ROAD OPTION 1
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\Baseline\BIO1AM.dgn

3/15/2007

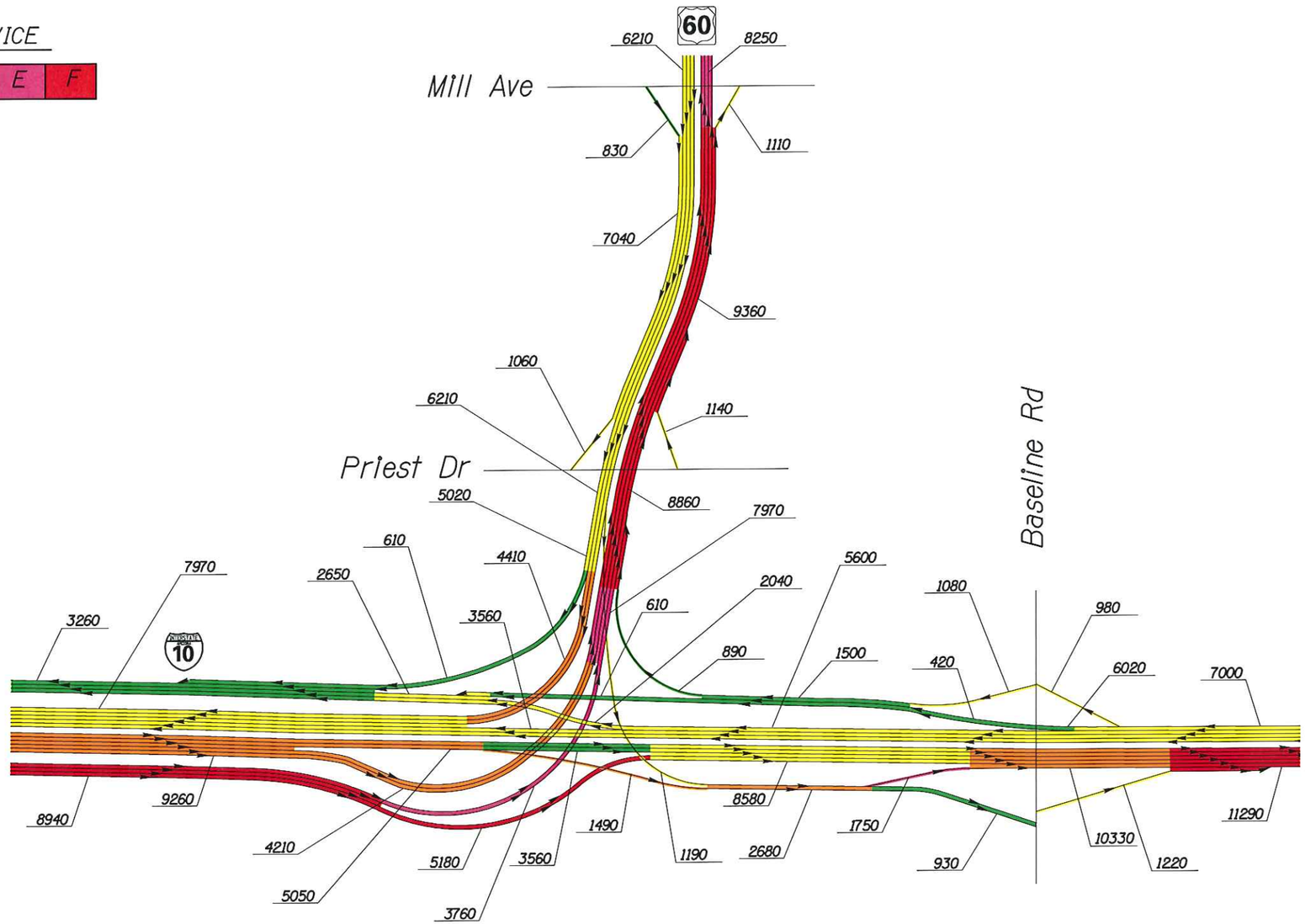
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

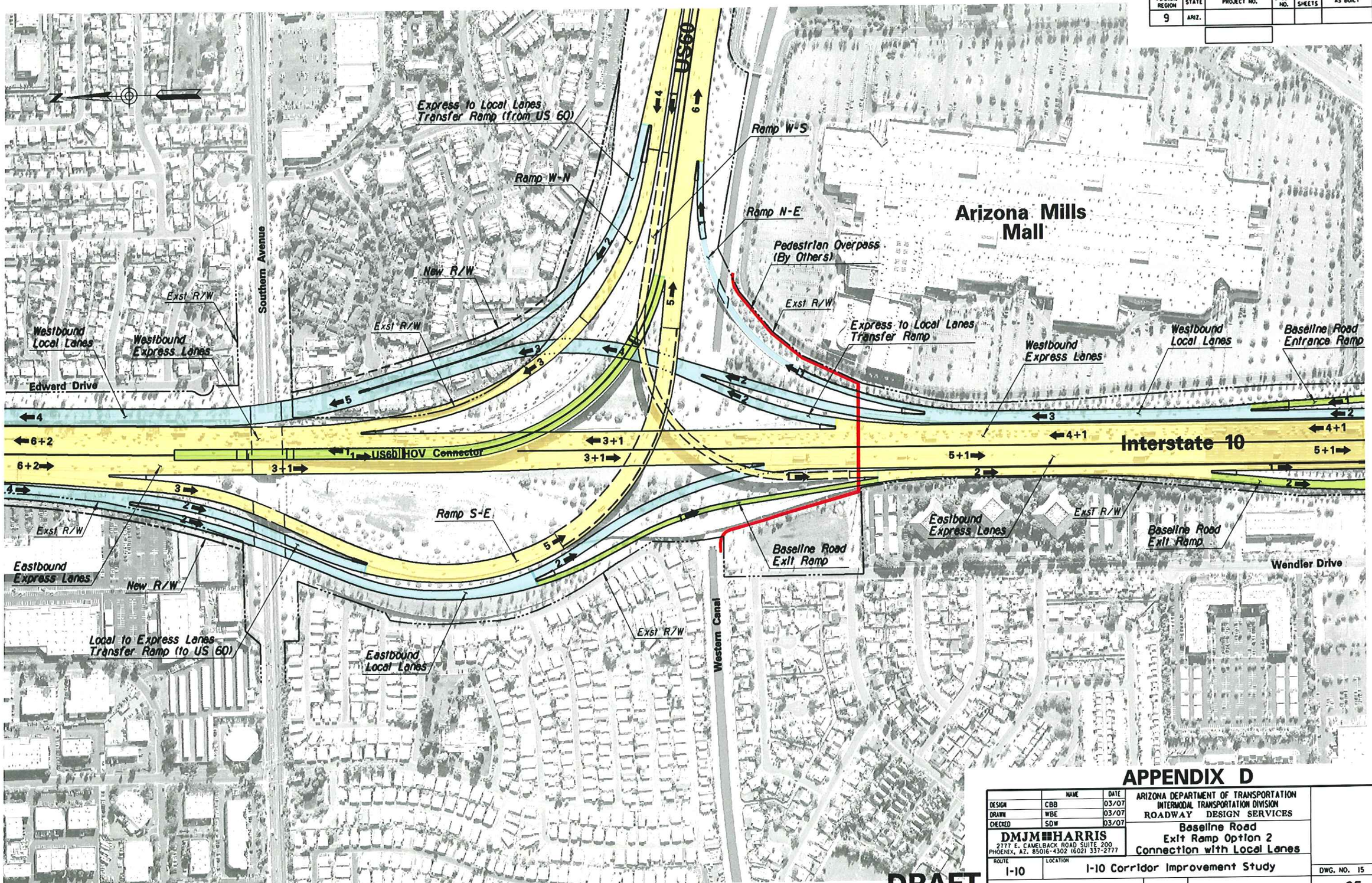
NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
BASELINE ROAD OPTION 1
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\Baseline\B101PM.dgn

3/15/2007

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

Baseline Road
Exit Ramp Option 2
Connection with Local Lanes

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study

DWG. NO. 15
___ OF ___

TRACS NO. H545401L

DRAFT

3/14/2007 N:\5445\Prod\ASR\LOCAL\5445_Base_Opt_02.dgn

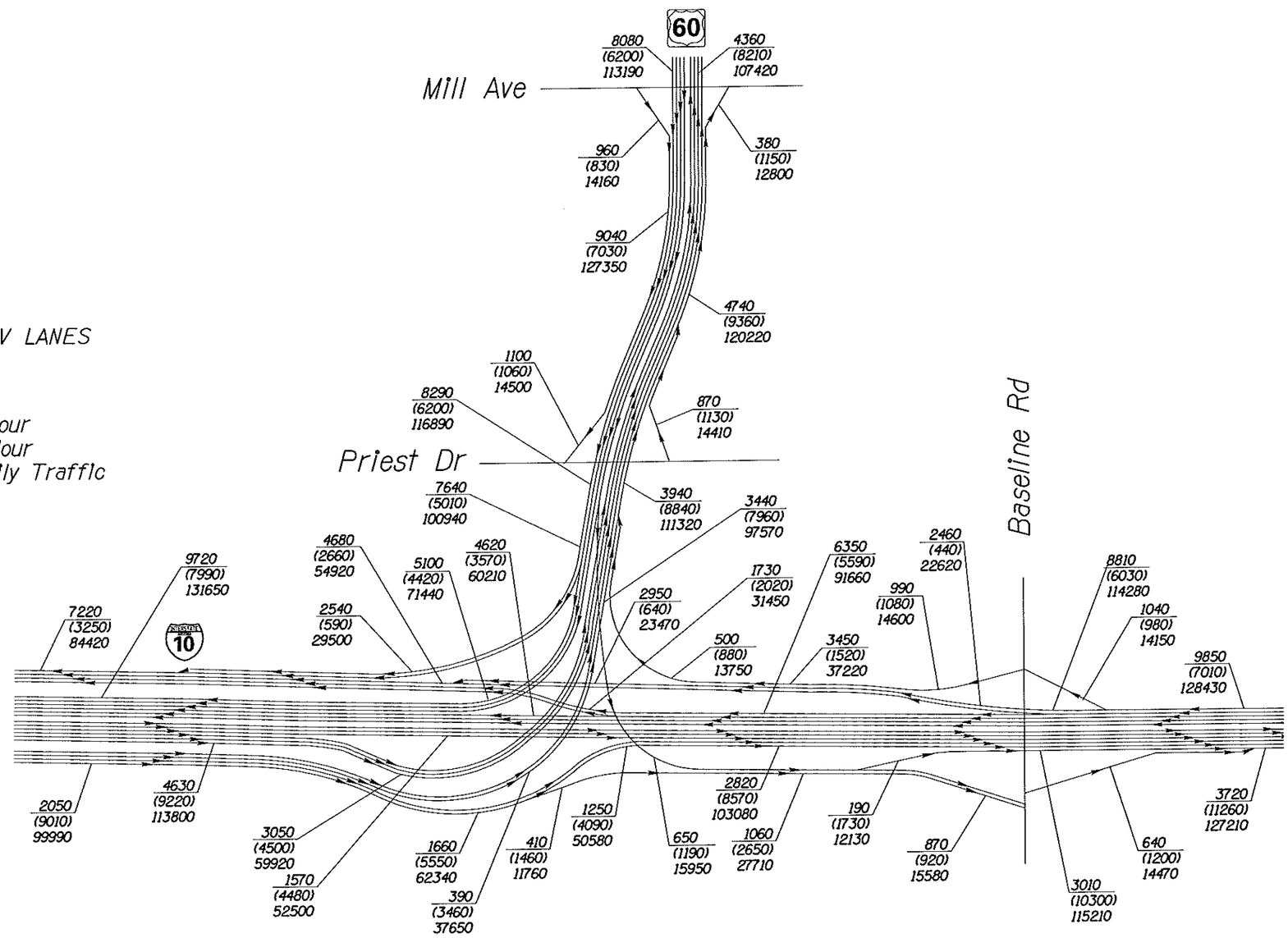
SURVEY NO. | FINISHED PLANS | REVISIONS | LOCATION | DATE

NOTE:

DOES NOT INCLUDE HOV LANES

LEGEND

xxx - 2030 AM Peak Hour
(xxx) - 2030 PM Peak Hour
xxxx - 2030 Average Daily Traffic



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
BASELINE ROAD OPTION 2
2030 TRAFFIC VOLUMES
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\Baseline\B102Vol.dgn

3/15/2007

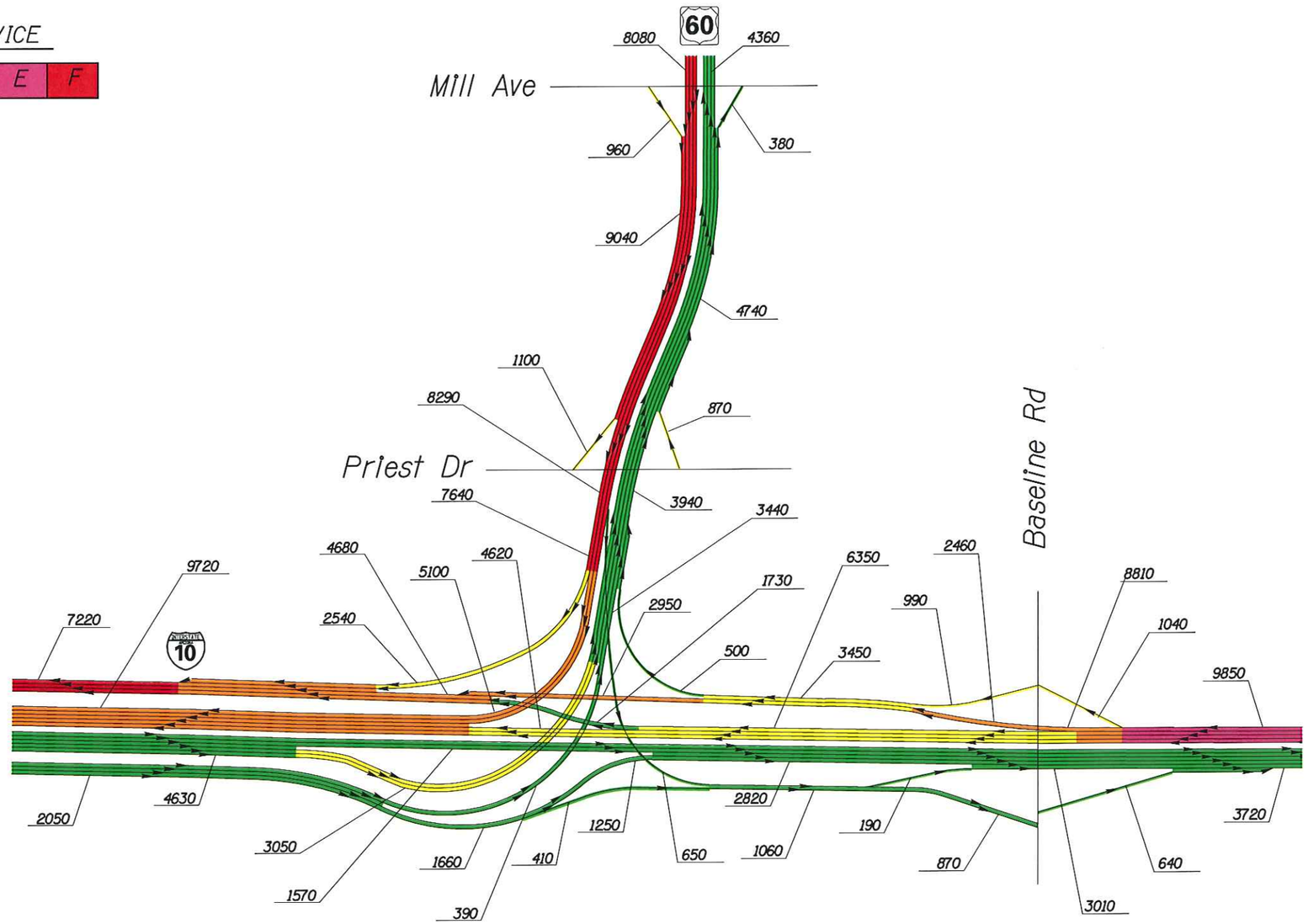
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
BASELINE ROAD OPTION 2
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\Baseline\BIO2AM_Rev.dgn

3/15/2007

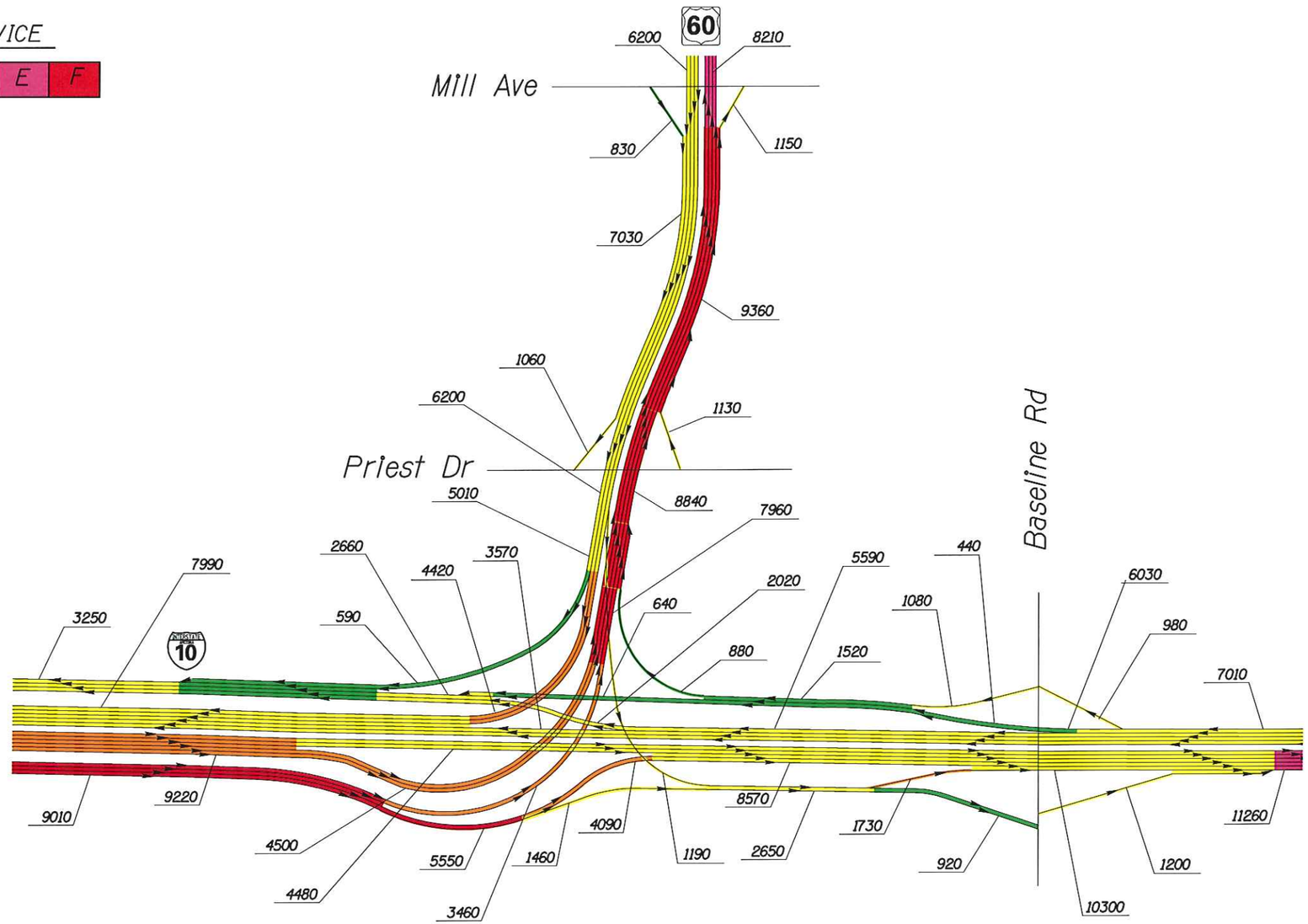
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

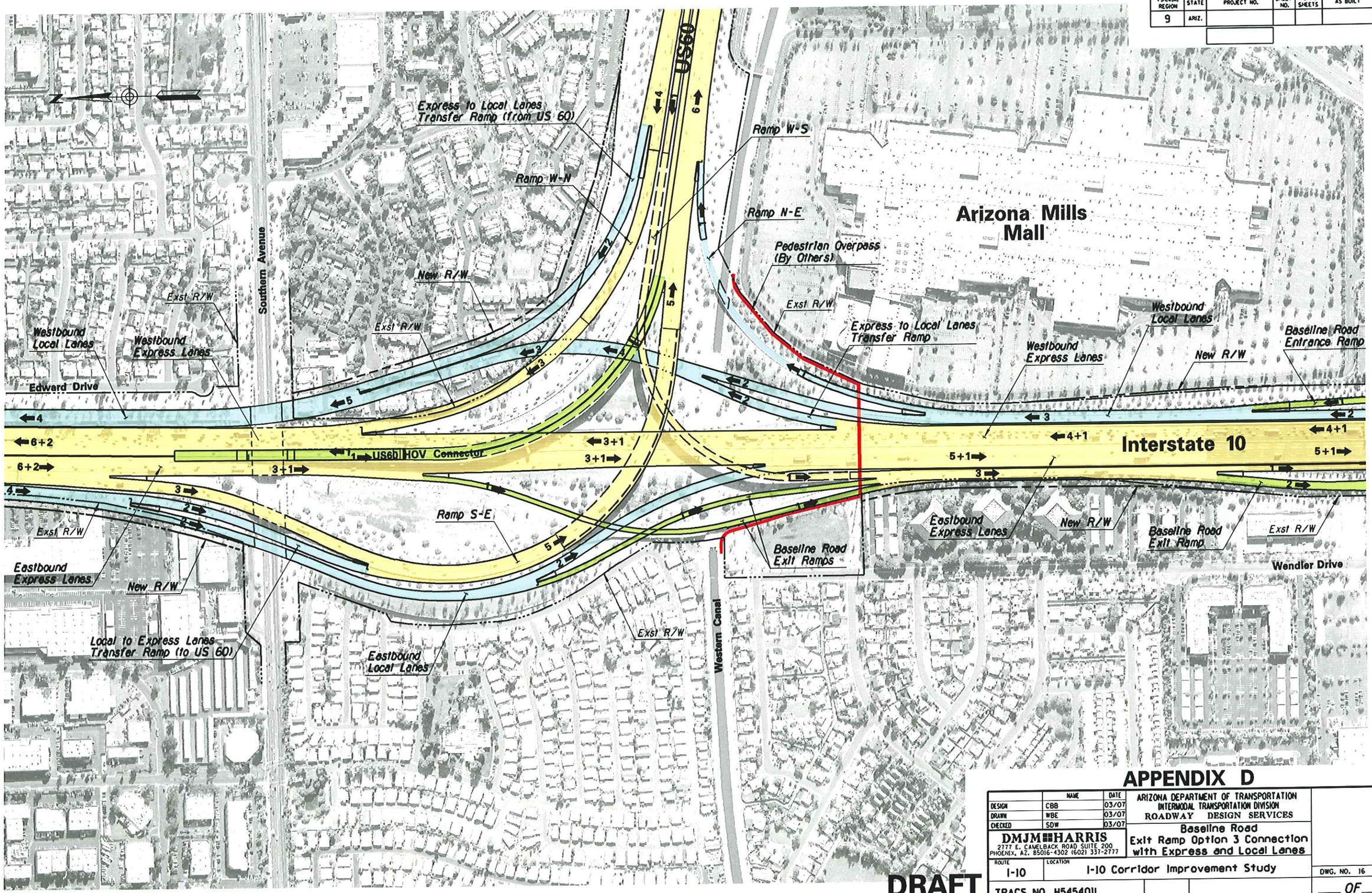
NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
BASELINE ROAD OPTION 2
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\Baseline\B102PM_Rev.dgn

3/15/2007

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



DRAFT

APPENDIX D

	NAME	DATE
DESIGN	CBB	03/07
DRAWN	WBE	03/07
CHECKED	SDW	03/07

DMJM HARRIS
2777 E. CAMELBACK ROAD SUITE 200
PHOENIX, AZ. 85016-4302 (602) 337-2777

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SERVICES

Baseline Road
Exit Ramp Option 3 Connection
with Express and Local Lanes

ROUTE: I-10
LOCATION: I-10 Corridor Improvement Study
DWG. NO. 16
TRACS NO. H545401L
___ OF ___

3/14/2007 N:\5445\Prod\ASR\LOCAL\5445_Base_Opt_03.dgn

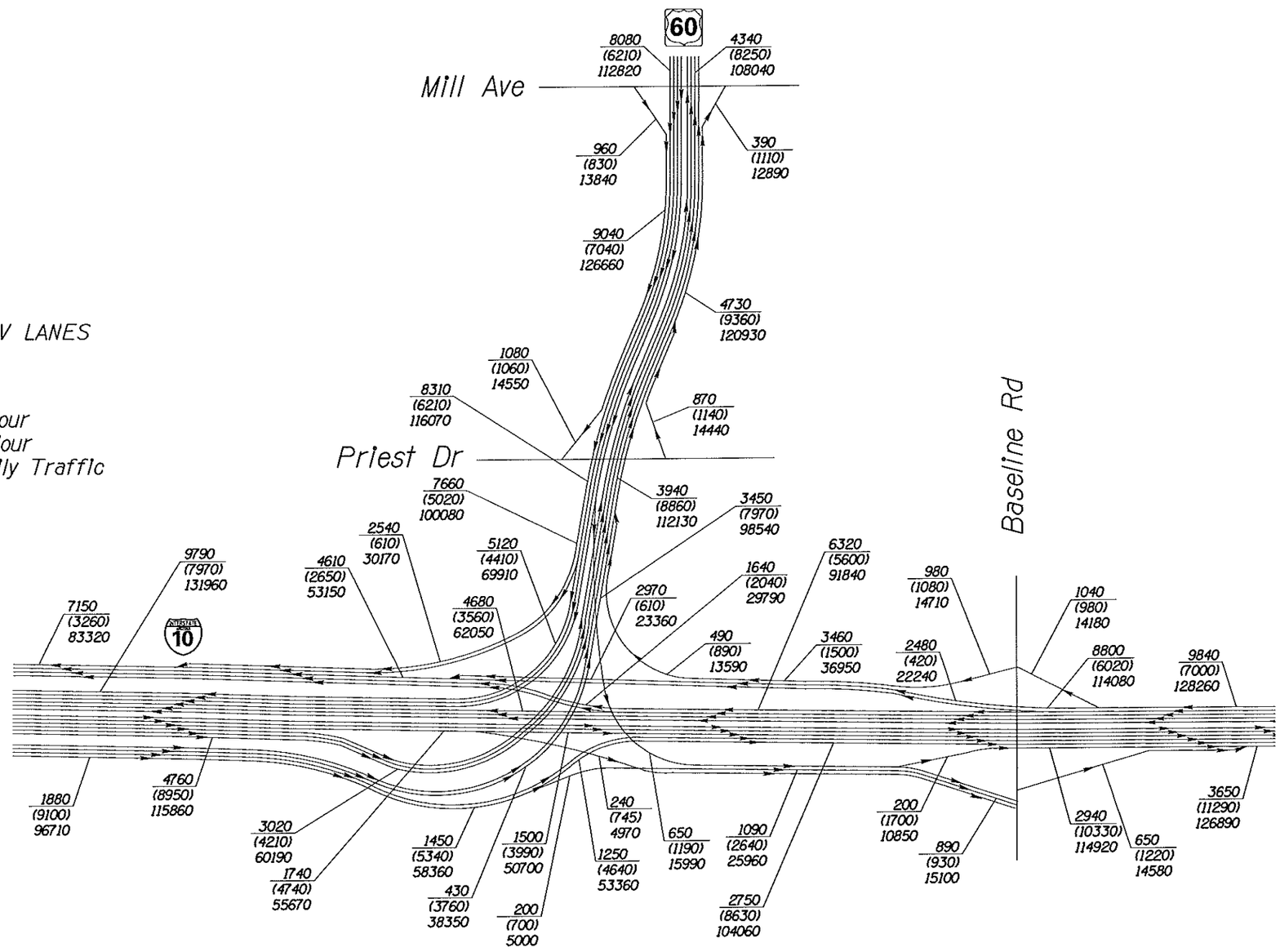
SURVEY NO. | FINISHED PLANS- | REVISIONS- | LOCATION- | DATE-

NOTE:

DOES NOT INCLUDE HOV LANES

LEGEND

xxx - 2030 AM Peak Hour
(xxx) - 2030 PM Peak Hour
xxxx - 2030 Average Daily Traffic



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
BASELINE ROAD OPTION 3
2030 TRAFFIC VOLUMES
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\Baseline\B103vol.dgn

3/15/2007

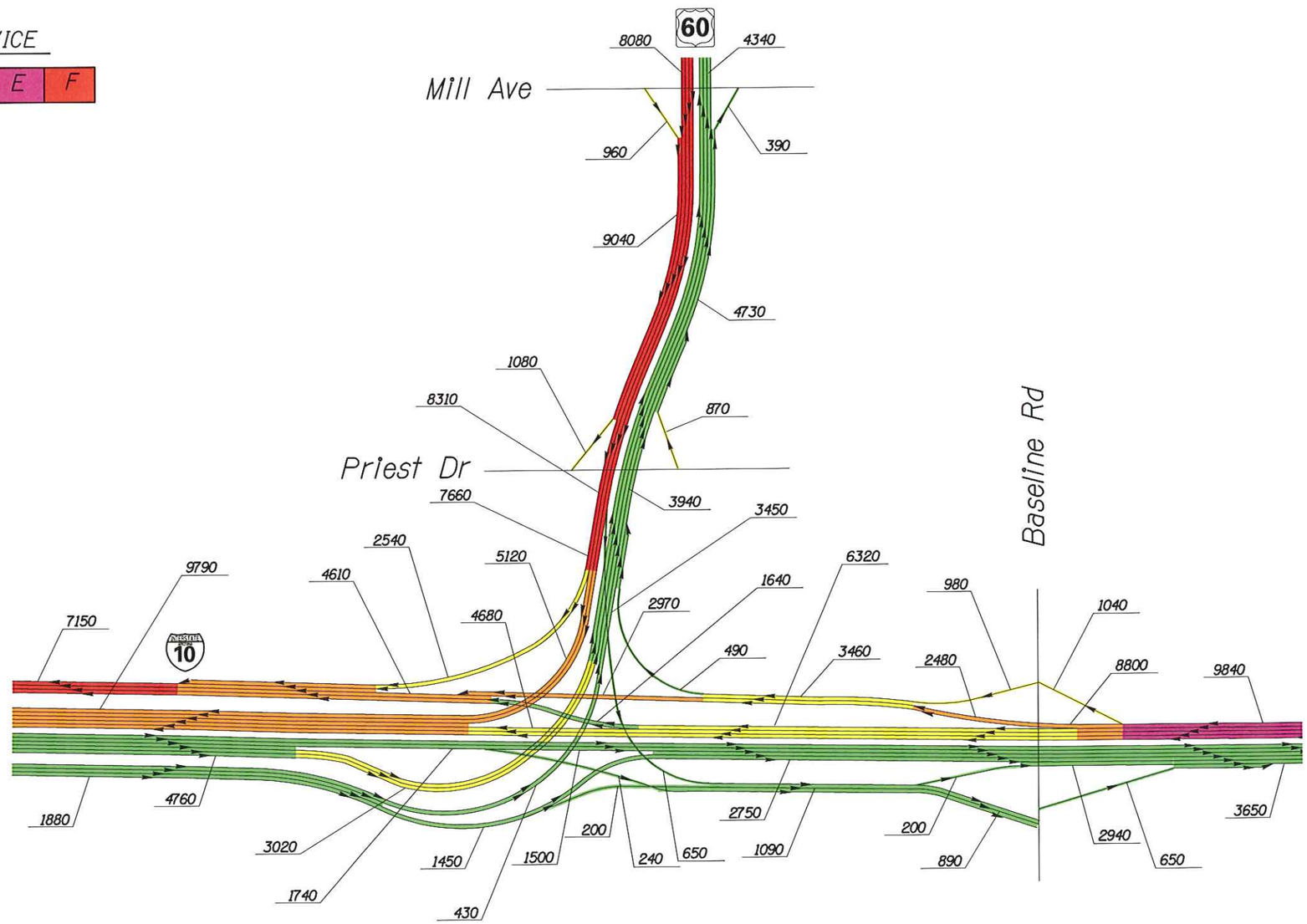
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
BASELINE ROAD OPTION 3
2030 AM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\Baseline\B103AM.dgn

3/9/2007

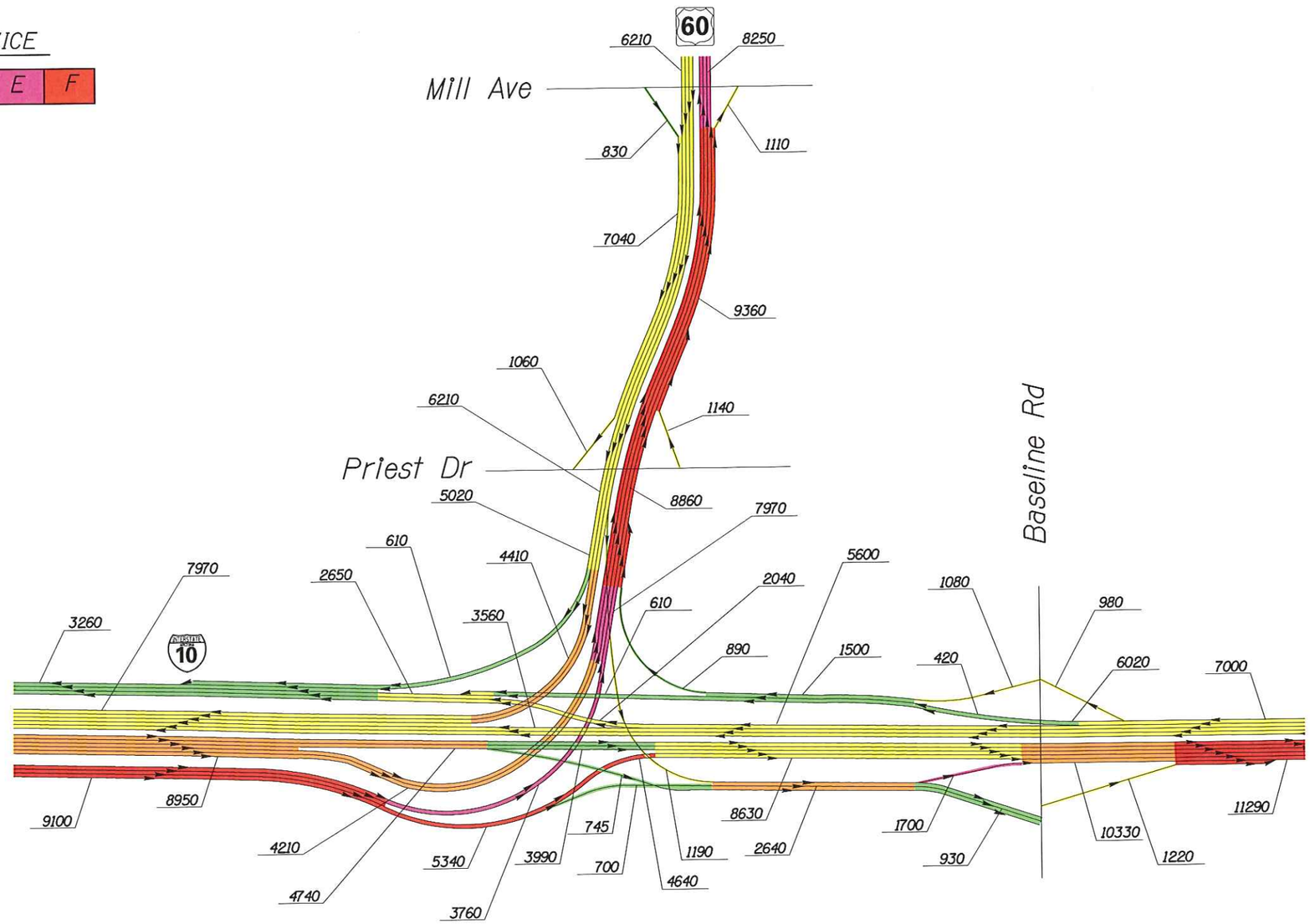
NOTE:

1. LINK LEVEL OF SERVICE INCLUDES EFFECT OF QUEUING SPILLBACK.
2. HOV LANES ARE NOT SHOWN

LEGEND

LEVEL OF SERVICE

A	B	C	D	E	F



I-10 CORRIDOR IMPROVEMENT STUDY

DMJM HARRIS | AECOM

NOT TO SCALE - SCHEMATIC ONLY

APPENDIX D
BASELINE ROAD OPTION 3
2030 PM LEVEL OF SERVICE
SHEET 1 OF 1

n:\5445\Design\tra\2030 ASR GRAPHICS\Baseline\BIO3PM.dgn

4/6/2007