Appendix A

Design Engineering Plans
DFW Airport to Shiloh Road
Station Plans
COTTON BELT REGIONAL RAIL
DFW AIRPORT TO SHILOH RD
STATION PLANS

FINAL DRAFT - 20% PRELIMINARY ENGINEERING

DALLAS/FORT WORTH INTERNATIONAL AIRPORT APPROVAL
RECOMMENDED:

PROJECT MANAGER
DATE

UP PLANNING
DATE

CITY OF COPPELL APPROVAL
RECOMMENDED:

PROJECT MANAGER
DATE

DIRECTOR OF PUBLIC WORKS
DATE

CITY OF CARROLLTON APPROVAL
RECOMMENDED:

PROJECT MANAGER
DATE

DIRECTOR OF PUBLIC WORKS
DATE

CITY OF ADDISON APPROVAL
RECOMMENDED:

PROJECT MANAGER
DATE

DIRECTOR OF PUBLIC WORKS
DATE

CITY OF PLANO APPROVAL
RECOMMENDED:

PROJECT MANAGER
DATE

DIRECTOR OF PUBLIC WORKS
DATE

CITY OF RICHARDSON APPROVAL
RECOMMENDED:

PROJECT MANAGER
DATE

DIRECTOR OF ENGINEERING
DATE

GENERAL PLANNING CONSULTANT
RECOMMENDED:

PROJECT MANAGER
DATE

REVIEWER
DATE

DALLAS AREA RAPID TRANSIT
RECOMMENDED:

PROJECT MANAGER
DATE

UP RAIL PLANNING
DATE

DART®
NOT AN APPROVED DRAWING
PRELIMINARY 10% DESIGN

COTTON BELT REGIONAL RAIL SYSTEM
LINE SECTION CB-1
DFW NORTH STATION
SITE PLAN

NOTE:
DRAW ACTIVITIES FOR DFW NORTH STATION TO INCLUDE:
CONSTRUCTING THE PLATFORM, PEDESTRIAN CROSSINGS AND SIDEWALK CONNECTION BETWEEN DFW NORTH PLATFORM AND DFW THROUGH PLATFORM.
FUTURE TO CONSTRUCT THE TEXRAIL PLATFORM AND PARKING LOT.

CIVIL ASSOCIATES, INC.
ON 2/02/2018
JENN-HWAN MA, P.E. NO. 83964

9300 LBJ Freeway, Ste. 1150
Dallas, Texas 75243
TBPE Firm Registration No. 6981

FEB 02 2018

SCALE (IN FEET)
1"=60'
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

ARCHITECTURAL SITE PLAN

TEXRAIL STATION

DART DFW NORTH

STATION PLATFORM

FUTURE DFW BUILDING AND PARKING (BY OTHERS)

FSW NORTH STATION

ARCHITECTURAL SITE PLAN

TEXRAIL DFW NORTH

STATION PLATFORM

FUTURE DFW BUILDING AND PARKING (BY OTHERS)

1" = 60'-0"
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

PARTIAL PLAN "B"
1. Train cars, tracks, and ties are indicated for information purposes only.

2. Top of rail: 0'-0".

3. For conduits and downspouts on column see AC2-1101/AC2-1102 at 5" radius of design to conceal elements in new structure.

4. All possible for locations are shown. Final designer to eliminate locations not required by agency for visual see AC2-1102.

5. Warning strips at platform edge shall be type "A". See AC2-1001, AC2-1002, and AC2-1003.

6. Warning strips at pedestrian path crosswalks shall be type "M". See AC2-1001, AC2-1002, and AC2-1003.

7. Planters shall be type "M". See AC1-0005, AC1-0007, and AC1-0009.

8. Type "A". See AC1-0005, AC1-0007, and AC1-0009.

9. Recycle bin. See drawing AC2-1102.


12. AMENITIES LEGEND:

13. TV = TACTILE WARNING STRIP

14. PV = PUBLIC ANNOUNCEMENT

15. FS = FIXTURE SEE DWG NO. AC2-1101

16. FPAIR = ELECTRICAL RECEPTACLE

17. T-1 = TRASH RECEPTACLE

18. T-2 = RECYCLE BIN

19. M-1 = SYSTEM MAP (NIC)

20. PEC = PASSENGER EMERGENCY CALL

21. PA = PUBLIC ANNOUNCEMENT

22. CCTV = CLOSED CIRCUIT TELEVISION

23. TM = TICKET VENDING MACHINE BASE

24. TMV = TICKET VENDING MACHINE BASE

25. TV = TACTILE WARNING STRIP

26. VMB = VISUAL MESSAGE BOARD (NIC)

27. TV = TICKET VALIDATOR J-BOX

28. WARNING STRIPS AT PEDESTRIAN CROSSWALKS

29. TOP OF RAIL = 0'-0".

30. IN-PROGRESS

31. DESIGN BOUNDARIES:

32. CONTRACT SHEET No. 422-1104

33. PARTIAL PLAN "C"
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

PARTIAL PLAN "A"

AC2-1203

IN-PROGRESS

AMENITIES LEGEND

- Column
- 0'-0"
- 6" CURB
- PIPE
- RECYCLE BIN
- PLANTER
- UNIT PAVERS
- CONCRETE PEDESTRIAN CROSSWALK
- GUARD RAIL
- TACTILE WARNING STRIP TYPE "M"
- 8" CURB
- CONCRETE PEDESTRIAN CROSSWALK
- PIPE
- UNIT PAVERS
- PLANTER
- RECYCLE BIN
- TACTILE WARNING STRIP TYPE "M"
- CONCRETE PEDESTRIAN CROSSWALK

1. Train cars, track and ties are indicated for informational purposes only.
2. Top of rail: 0'-0".
3. For corrosion and scratches on column see AS2-0007-AS2-0010 at 5th basis of design to conceal damage in new concrete.
4. All possible foundation locations are shown, final designer to determine locations not required by agency for visual see AS2-0001.
5. Warning strips at platform edge shall be Type "A". See AS1-0003, AS1-0007 and AS1-0009.
6. Warning strips at pedestrian space crossings shall be Type "M" AS1-0003, AS1-0007 and AS1-0009.
7. For fire sprinkler relief see AS1-0003.
8. Details for water screen type WS-U and WS-S to be determined by final designer.
9. For bicycle rack, bicycle locker, and trash receptacle see AS2-0002.
10. Final designer to coordinate the need for secondary TVM location with agency.
11. Platform cross slope down toward track only. See AS2-0009.
12. Final designer to adjust length of ramp to maintain slope of less than 4.7%. Accommodating 4.7% slope.
13. Final designer to coordinate illumination plan with design review on station.
14. Final designer to coordinate all leak proofing including planter walls recessed lighting.
15. Concrete roof will have required linear LED lighting around the perimeter, coordinate with final designer.
16. For fire usage see AS1-0009.
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

PARTIAL PLAN "B"

1. Train cars, tracks, and ties are indicated for informational purposes only.
2. Top of rail: 0'-0".
3. For Consultants and Contractors on bid, final design to eliminate locations not indicated by agency for final bid.
4. All possible locations are shown, final design to eliminate locations not indicated by agency for final bid.
5. Warning strips at platform edge shall be type "A", see AS1-0005, AS1-0007 and AS1-0009.
6. Warning strips at pedestrian track crossings shall be type "a" see AS1-0005, AS1-0007 and AS1-0009.
7. For all terminations, see AS2-0009.
8. Details for Windscreen type WS-U and WS-S shall be type "M" see AS1-0005, AS1-0007 and AS1-0009.
9. Warning strips at Platform edge shall be of final designer.
10. For bicycle rack, bicycle locker, and trash receptacle see AS2-0002.
11. For automatic trash containers see AS2-0003.
12. For television set see AS2-0001.
13. For VMB stanchion detail see AS2-0009.
14. For bicycle rack, bicycle locker, and trash receptacle see AS2-0002.
15. Final designer to coordinate all lighting including planter walls recession lighting.
16. Warning strip on west fence line, see AS2-0001.

AMENITIES LEGEND:

- TV    TICKET VALIDATOR J-BOX (SIM TO DRAWING AS2-0002)
- T-2   TRASH RECEPTACLE (SEE DRAWING AS2-0002)
- M-1   SYSTEM MAP (NIC) (NIC FUTURE)
- VMB   VISUAL MESSAGE BOARD (NIC)
- PEC   PASSENGER EMERGENCY CALL
- PA    PUBLIC ANNOUNCEMENT
- WS-S  WINDSCREEN TYPE S
- WS-U  WINDSCREEN TYPE U
- TVM   TICKET VENDING MACHINE BASE
- AC2-1203

IN-PROGRESS
FOR THE PURPOSE OF REVIEW UNDER THE DART PROJECT
CONTRACT SHEET No. AC2-1203
DFW NORTH THROUGH STATION
PARTIAL PLAN "B"
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

IN-PROGRESS
DART PROJECT
COTTON BELT REGIONAL RAIL SYSTEM
LINE SECTION CB-1
DFW NORTH THROUGH STATION
ELEVATIONS

SCALE (IN FEET)

NOTE:
1. TYPE "A" AND TYPE "B" REFERS TO COLUMN CLADDING AND LIGHT FIXTURE LOCATION.

OVERALL ELEVATION

ENLARGED ELEVATION

SAFETY LAMINATED GLASS WINDSCREEN
OMNI-DIRECTIONAL SEATING AND WORK SURFACE

TRASH/RECYCLE BINS AND VMB
NOT AN APPROVED DRAWING
PRELIMINARY 10% DESIGN

GENERAL NOTES:
1. 1-FOOT CONTOURS PROVIDED BY DART.
2. 2-FOOT CONTOURS FROM NCTCOG.
3. REFER TO DRAWING NUMBER CC6-1009 FOR DRAINAGE CALCULATIONS.

GENERAL NOTES:
1. REFER TO DRAWING NUMBER CC6-1009 FOR DRAINAGE CALCULATIONS.
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NOT AN APPROVED DRAWING
PRELIMINARY 10% DESIGN

COTTON BELT REGIONAL RAIL SYSTEM
LINE SECTION C3-1
CYPRESS WATERS STATION
SITE GRADING PLAN

MAY NOT BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

IN-PROGRESS

Nick Chang

Jenn Ma
1. Train cars, tracks and ties are indicated for information purposes only.
2. Top of rail = 0'-0".
3. For consistency and homogeneity on columns see AS2-0007 and AS2-0009. All dimensions are in feet.
4. All horizontal lines on columns and platforms shall be type "A". See AS2-0003, AS2-0007 and AS2-0009.
5. Warning strips at platforms core shall be type "A". See AS2-0002, AS2-0003 and AS2-0009.
7. Warning strips at pedestrian crosswalks shall be type "A". See AS2-0002, AS2-0003 and AS2-0009.
8. For bicycle racks, bicycle lockers, and trash receptacles see AS2-0002.
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106. For bicycle racks, bicycle lockers, and trash receptacles see AS2-0002.
107. For bicycle racks, bicycle lockers, and trash receptacles see AS2-0002.
108. For bicycle racks, bicycle lockers, and trash receptacles see AS2-0002.
1. FOR TREE GRATE SEE AS2-0001.
2. SPECIFY LOCATION AND CONFIGURATION OF ELEMENT.
3. SPECIFY LOCATION OF ELEMENTS WITHIN FRAMEWORK.
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10. For TVM stands see AS2-0001.

11. Coordinate with Final Designer.

12. Including planter walls recessed lighting.

13. Plans to include hose bibs on platform.

14. Final designer to coordinate irrigation systems fromslow to maintain slope of less than 4.7%.

15. For bike rack, bicycle locker, and trash receptacle see AS2-0003.

16. For secondary TVM location see AS2-0002.

17. Final designer to coordinate all lighting, including planter walls recessed lighting.

18. For ride gate see AS1-0003.

PARTIAL PLAN “A”

NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

CONTRACT SHEET No. 42-2102

COTTON BELT REGIONAL RAIL SYSTEM
LINE SECTION CB-2
DOWNTOWN CARROLLTON STATION
PARTIAL PLAN “A”
1. Train cars, tracks and ties are indicated for installation purposes only.
2. Top of rail: 0'-0".
4. All possible TVM locations are shown. Final designer to eliminate locations not required by agency for final use.
7. For VMB stanchion detail see AS2-0009.
8. For conduits and downspouts on column see AD9-0007-AD9-0010 as SIM basis of design to column.
9. Electrical receptacle see AS2-0002.
10. For bicycle rack, bicycle locker, and trash receptacle see AS2-0003.
11. For secondary TVM location with agency see AS2-0009.
12. Final designer to adjust lengths of ramp to maintain slope of less than 4.7% accommodating track slope.
13. Final designer to coordinate irrigation plan to ensure weeds are on platform.
14. Final designer to coordinate all landscaping including planter walls, recessed lighting.
15. Warning signs will be required linear LED's starting around the perimeter, coordinate with final designer.
16. For tree grate see AS1-2007.
1. Windscreen, track and ties are indicated for informational purposes only.
2. Top of rail = 0'-0".
3. Trackway fence is indicated for informational purposes only.
4. To be determined by final designer.
5. Final designer to eliminate locations not required.
6. Final designer to coordinate the need for secondary TVM location with agency.
7. Warning strips at pedestrian crosswalks shall be type "M". See AS1-0005, AS1-0007 and AS1-0009.
8. Details for windscreen type WS-U and WS-S to be determined by final designer.
9. For bicycle rack, bicycle locker, and trash receptacle see AS2-0001.
10. For conduits and downsputs on column see AD9-0007-AD9-0010 as SIM basis of design to CONCEAL ELEMENTS IN NEW STRUCTURE.
11. Final designer to adjust length of ramp to maintain slope of 0.5% to 1.75%.
12. Final designer to coordinate all lighting including planter walls recessed lighting.
13. Final designer to coordinate all lighting including planter walls recessed lighting.
14. Final designer to coordinate all lighting including planter walls recessed lighting.
15. Final designer to coordinate all lighting including planter walls recessed lighting.
16. Final designer to coordinate all lighting including planter walls recessed lighting.
17. Final designer to coordinate all lighting including planter walls recessed lighting.
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19. Final designer to coordinate all lighting including planter walls recessed lighting.
20. Final designer to coordinate all lighting including planter walls recessed lighting.
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

CONTRACT SHEET No.

IN-PROGRESS

DOWNTOWN CARROLLTON STATION CANOPY ELEVATION
LINE SECTION CB-2
COTTON BELT REGIONAL RAIL SYSTEM

INFORMATION ONLY

DART PROJECT

AC5-2101

AC5-2104

AC5-2105

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This document is a site plan for the Addison Transit Center station as part of the Cotton Belt Regional Rail System. It is a preliminary 20% design and is not an approved drawing. The plan includes existing and proposed elements such as bicycle racks, sidewalks with accessible connections, and futureprofile and paving connections. The plan is for bidding or permit purposes only and is not to be used for construction. It is drawn to a scale of 1"=20'-0" and was released by KAI Texas on 02/02/18. The document is copyrighted by DART, all rights reserved, 1987-2018.
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PRELIMINARY 20% DESIGN

DART PROJECT
COTTON BELT REGIONAL RAIL SYSTEM
LINE SECTION CB-3
PRESTON ROAD STATION
BUS/RAIL INTERFACE SITE PLAN

SCALE: 1"=20'-0"
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

OVERALL PLATFORM PLAN

SCALE: 1"=20'-0"

CONCRETE PEDESTRIAN
LINE SECTION CB-3

CROSSWALK
CONCRETE PEDESTRIAN
LINE OF UPPER CANOPY

MATCHLINE

SEE DWG No. AC2-3202
SEE DWG No. AC2-3203
SEE DWG No. AC2-3204

SCALE (IN FEET)
0
10
20
40

DART PROJECT
COTTON BELT REGIONAL RAIL SYSTEM
LINE SECTION CB-3
PRESTON ROAD STATION
OVERALL PLATFORM PLAN

AC2-3201

OF 365
1. Train cars, tracks and ties are indicated for information purposes only.

2. Top of rail: 0'-0".

3. For crossings and intersections on columns see AS2-0007, AS2-0008 at 85% radius of design to cover possible variations in topography.

4. All possible TVM locations are shown. Final designer only to eliminate locations not required by agency for final use.

5. Warning strips at platform edge shall be type "A". See AS1-0005, AS1-0007 and AS1-0009.

6. Warning strips at pedestrian track crosswalks shall be type "M". See AS1-0005, AS1-0007 and AS1-0009.

7. As1-0009.

8. For VMB stanchion detail see AS2-0009.

9. To be determined by final designer.

10. Final designer to adjust length of ramp to MIN. 1%, MAX. 1.75%.

11. Platform cross slope down toward track.

12. Final designer to adjust lengths of ramp to maintain slope of less than 4.7% accommodating shoe slip.

13. Final designer to coordinate intersection plans to specified area shown on plan.

14. Final designer to coordinate all lighting, including planter wall recessed lighting.

15. Warning strip will have recessed linear LED lighting around the perimeter, coordinate with final designer.

FOR TREE GRATE SEE AS2-0001
COORDINATE WITH FINAL DESIGNER.
LED LIGHTING AROUND THE PERIMETER.
WINDSCREEN ROOF WILL HAVE RECESSED LINEAR 15.
INCLUDING PLANTER WALLS RECESSED LIGHTING.
FINAL DESIGNER TO COORDINATE ALL LIGHTING 14.
PLANS TO INCLUDE HOSE BIBBS ON PLATFORM.
FINAL DESIGNER TO COORDINATE IRRIGATION 13.
ACCOMMODATING TRACK SLOPE.
MAINTAIN SLOPE OF LESS THAN 4.7%
FINAL DESIGNER TO ADJUST LENGTH OF RAMP TO 12.
MIN. 1%, MAX. 1.75%.
PLATFORM CROSS SLOPE DOWN TOWARD TRACK 11.
SECONDARY TVM LOCATION WITH AGENCY.
FINAL DESIGNER TO COORDINATE THE NEED FOR 10.
RECEPTACLE SEE AS2-0002.
FOR BICYCLE RACK, BICYCLE LOCKER, AND TRASH 9.
TO BE DETERMINED BY FINAL DESIGNER.
DETAILS FOR WINDSCREEN TYPE WS-U AND WS-S 8.
FOR VMB STANCHION DETAIL SEE AS2-0009.
WARNING STRIPS AT PEDESTRIAN TRACK CROSSWALKS 6.
WARNING STRIPS AT PLATFORM EDGE SHALL BE 5.
BY AGENCY FOR DETAIL SEE AS2-0003.
DESIGNER TO ELIMINATE LOCATIONS NOT REQUIRED 4.
ALL POSSIBLE TVM LOCATIONS ARE SHOWN. FINAL 3.
CONCEAL ELEMENTS IN NEW STRUCTURE.
WARNING STRIPS AT PEDESTRIAN TRACK CROSSWALKS 2.
FOR CONDUITS AND DOWNSPOUTS ON COLUMN SEE 1.
AS2-0001. FOR THE PURPOSE OF REVIEW UNDER THE 0.
THIS DOCUMENT IS RELEASED 9.
FOR BIDDING OR PERMIT PURPOSES. IT IS NOT TO BE 8.
USED FOR CONSTRUCTION, MAINTENANCE OR ALTERATION 7.
BY AGENCY FOR DETAIL SEE AS2-0003.
FOR LINE SECTIONS CB-3 AND CB-4 SEE DRAWING 6.
AS2-0002. FOR CONDUITS AND DOWNSPOUTS ON COLUMN 5.
THIS DOCUMENT IS RELEASED 3.
FOR BIDDING OR PERMIT PURPOSES. IT IS NOT TO BE 2.
USED FOR CONSTRUCTION, MAINTENANCE OR ALTERATION 1.
BY AGENCY FOR DETAIL SEE AS2-0003.
1. Train cars, track and ties are indicated for informational purposes only.
2. Top of rail = 0'-0".
3. For consistency and uniformity on columns see AS2-0007-AS2-0009 as 5½ radius of design to column elements in new structure.
4. All possible TVM locations are shown, final designer to coordinate locations not required by agency for drawing AS2-0001.
5. Warning strips at platform edge shall be type "A". See AS2-0005, AS2-0007 and AS2-0009.
6. Warning strips at pedestrian track crosswalk shall be type "M". See AS2-0005, AS2-0007 and AS2-0009.
7. As1-0009.
8. As1-0009.
9. Shall be type "M" see AS1-0005, AS1-0007 and AS1-0009.
11. Platform cross slope down toward track.
12. Final designer to adjust length of ramp to maintain slope of less than 4½% accommodating track slope.
13. Final designer to coordinate illumination plans to specific mode bases on platform.
14. Final designer to coordinate all landscaping, including planter walls recessed lighting.
15. WARNING STRIP WILL HAVE REQUIRED LINEAR LED'S LUMINATING ALONG THE PERIMETER, COORDINATE WITH FINAL DESIGNER.
16. For tree grate see AS2-0001.
17. PLANTER WALLS RECESSED LIGHTING.
18. COORDINATE WITH FINAL DESIGNER.
19. RECEPTACLE SEE AS2-0002.
20. FOR BICYCLE RACK, BICYCLE LOCKER, AND TRASH RECEPTACLE TO BE DETERMINED BY FINAL DESIGNER.
21. DIMENSIONS LEGEND:
   COTV - CLOSED CIRCUIT TELEVISION (4 IN "IN"")
   TV - TICKET VENDING MACHINE BASE
   TVM - TICKET VENDING MACHINE TOWER
   MRV - MESSAGE BOARD (NEW)
   VMB - VISUAL MESSAGE BOARD (NIC)
   WS-U - WINDSCREEN TYPE U
   WS-S - WINDSCREEN TYPE S
   REC - ELECTRICAL RECEPTACLE
   WARNING STRIP TYPE "M" SEE AS1-0005, AS1-0007 AND AS1-0009.
   CONCEAL ELEMENTS IN NEW STRUCTURE.
22. CONTRACT SHEET No. 81 OF 165
23. COTTON BELT REGIONAL RAIL SYSTEM
24. LINE SECTION CB-3
25. 02 FEB 18
26. PRELIMINARY 20% DESIGN
27. NOTES:
28. REC   ELECTRICAL RECEPTACLE
29. WS-S  WINDSCREEN TYPE S
30. WS-U  WINDSCREEN TYPE U
31. VMB   VISUAL MESSAGE BOARD (NIC)
32. TV    TICKET VALIDATOR J-BOX
33. TVM   TICKET VENDING MACHINE BASE
34. M-1   SYSTEM MAP (NIC)
35. T-2   RECYCLE BIN
36. T-1   TRASH RECEPTACLE
37. PEC   PASSENGER EMERGENCY CALL
38. PA    PUBLIC ANNOUNCEMENT
39. CCTV  CLOSED CIRCUIT TELEVISION
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

1. TRAIN CARS, TRACK AND TIES ARE INDICATED FOR INFORMATION PURPOSES ONLY.
2. SCALE: ""=1'-0"

3. FOR CONSIDERATION ONLY. TO COLUMN D SEE AC2-3301.
4. TACTILE WARNING STRIP TYPE "M" AT PEDESTRIAN CROSSWALKS (TYP).
5. CONVERSATION TACTILE WARNING STRIP TYPE "U" IN SPECIAL CASES (TYP).
6. BICYCLE RACK, BICYCLE LOCKER, AND TRASH RECEPTACLE TO BE DETERMINED BY FINAL DESIGNER.
7. PLANTER WALLS, RECESSED LIGHTING, PLANTER TYPE "M" SEE AS1-0005, AS1-0007 AND AS1-0009.
8. WARNING STRIPS AT PLATFORM EDGE SHALL BE TYPE "A". SEE AC2-3300, AC2-3301 AND AC2-3302.
9. IN PROGRESS 20% DESIGN
10. FOR BICYCLE RACK, BICYCLE LOCKER, AND TRASH RECEPTACLE SEE AS2-0002.
11. PUBLIC ANNOUNCEMENT SEE AS2-0003.
12. FINAL DESIGNER TO ADJUST LENGTH OF RAMP TO MIN. 1%, MAX. 1.75%.
13. FINAL DESIGNER TO ADJUST LENGTH NOT TO EXCEED 1%.[**.]
14. FINAL DESIGNER TO COORDINATE ALL LIGHTING, INCLUDING PLANTER WALLS, NECESSARY LIGHTING.
15. FOR TREE GRATE SEE AS2-0001.
16. FOR CONDUITS AND DOWNSPOUTS ON COLUMN SEE AS2-0007-AD9-0010 AS SIM BASIS OF DESIGN TO CONFORM TO CONSTRUCTION IN THIS SPECIFICATION.
17. WARNING STRIPS AT PLATFORM EDGE SHALL BE TYPE "A". SEE AC2-3300, AC2-3301 AND AC2-3302.
1. Train car tracks and ties are indicated for informational purposes only.
2. Top of rail: 0'-0".
3. For conduits and dampers on column see AS2-0007, AS-0008, and AS-0015.
4. For all possible locations are shown, final designer to eliminate locations not required by agency for DART.
5. Warning strips at platform edge shall be Type "A". See AS-0005, AS-0007, and AS-0015.
6. Warning strips at pedestrian track crosswalks shall be Type "A". See AS-0005, AS-0007, and AS-0015.
7. For tree grate see AS2-0003.
8. Details for window type WS-U and WS-S shall be Type "M". See AS1-0005, AS1-0007, and AS1-0009.
9. For bicycle rack, bicycle locker, and trash receptacle see AS2-0002.
10. Final designer to coordinate the need for secondary TVM location with agency.
11. Final designer to coordinate the need for secondary TVM location with agency.
12. Final designer to coordinate the need for secondary TVM location with agency.
13. Final designer to coordinate the need for secondary TVM location with agency.
14. Final designer to coordinate the need for secondary TVM location with agency.
15. Final designer to coordinate the need for secondary TVM location with agency.
16. Final designer to coordinate the need for secondary TVM location with agency.
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

MATCHLINE

PARTIAL PLAN "C"  A

NOTES:
1. Train cars, track and ties are designated for informational purposes only.
2. Top of rail: 0'-0".
3. For existing and new structures on column see AS-2007-005 to 010 as 9th basis of design to
   conduct economy in new construction.
4. All possible for locations are shown, final decisions to eliminate locations not required by
   agency per details see AC2-003.
5. Warning strips at platform edge shall be type "A". See AS-0002, AS-0003 and AS-0004.
6. Warning strips at potential track crossings shall be type "M" see AC2-000, AS-0003 and AS-0004.
7. For M. 6" at 90 degree corners see AS-0002.
8. Details for windscreen type WS-U and WS-V to be determined by final designer.
9. Bicycle rack, bicycle locker and trash receptacle see AS2-0003.
10. Final designer to coordinate the need for secondary pylon location with agency.
11. Platform cross slope down toward track end. Max. 1-1/2
t12. Final designer to adjust length of ramp to maintain slope of less than 4%/200' accommodating
   space.
13. Final designer to coordinate illumination plans to specified modes peer on platform.
14. Tactile strips to coordinate for all stations including platforms walls recessed lighting.
15. Warning strips shall have recessed LED lighting around the perimeter, coordinate with final designer.
16. For bike storage see AC2-003.
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

IN-PROGRESS
NOTES:
1. UPPER AND LOWER CANOPY MATERIALS AS SELECTED BY FINAL DESIGNER.
2. RADIAL DIMENSIONS ARE TYPICAL.
3. MEASUREMENTS ARE TYPICAL.

WS-U DOUBLE CANOPY
WS-U CANOPY
WS-U DOUBLE CANOPY

ENLARGED WS-U DOUBLE CANOPY

COTTON BELT REGIONAL RAIL SYSTEM
LINE SECTION CB-3
COIT ROAD STATION
OVERALL ROOF PLAN

DART PROJECT
NOTE:
1. DEPICTED AREAS ARE REFERENCED TO THE DART PROJECT.
2. DETAILS NOT SHOWN.
3. MATERIALS TO BE SELECTED BY THE DESIGNER.

DESIGN SHEET NO.
DWG NO.
REV
DATE
DESCRIPTION
BY
ENG
CHK
APP
CR
AMEND
OF
DART PROJECT
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KAI TEXAS ID # 9010
ON 02/02/2018
DARREN L. JAMES, R.A. 18748
LINE SECTION CB-3
02 FEB 18
www.kaitexas.com
F. 817.288.0952
T. 214.742.0400
Dallas, TX 75208
Suite 100
101 North Zang Blvd
AC5-0001
D
AC5-3302
D
AC5-5901
D
**AMENITIES LEGEND:**

- **REC** - ELECTRICAL RECEPTACLE
- **WS-S** - WINDSCREEN TYPE S
- **WS-U** - WINDSCREEN TYPE U
- **VMB** - VISUAL MESSAGE BOARD (NIC)
- **TVM** - TICKET VENDING MACHINE BASE
- **TV** - TICKET VALIDATOR J-BOX
- **T-2** - RECYCLE BIN
- **T-1** - TRASH RECEPTACLE WITH BLUE LIGHT
- **PEC** - PASSENGER EMERGENCY CALL
- **PA** - PUBLIC ANNOUNCEMENT
- **M-1** - SYSTEM MAP (NIC)
- **CCTV** - CLOSED CIRCUIT TELEVISION

**NOTES:**

1. TRAIN CAR, TRACK AND TIES ARE INDICATED FOR INFORMATION PURPOSES ONLY.
2. ALL POSSIBLE TVM LOCATIONS ARE SHOWN. FINAL DESIGNER TO ELIMINATE LOCATIONS NOT REQUIRED BY AGENCY FOR MATERIAL SEE AS2-0001.
3. FOR TREE GRATE SEE AS2-0001.
4. COORDINATE WITH FINAL DESIGNER.
5. LED LIGHTING AROUND THE PERIMETER.
6. WINDSCREEN ROOF WILL HAVE RECESSED LINEAR INCLUDING PLANTER WALLS RECESSED LIGHTING.
7. FINAL DESIGNER TO COORDINATE ALL LIGHTING PLANS TO INCLUDE HOSE BIBBS ON PLATFORM.
8. FINAL DESIGNER TO COORDINATE THE NEED FOR TACTILE WARNING STRIP TYPE "M" SEE AS1-0005, AS1-0007 AND AS1-0009.
12. PLATFORM CROSS SLOPE DOWN TOWARD TRACK MIN. 1%, MAX. 1.75%.
13. MAINTAIN SLOPE OF LESS THAN 4.7% INCLUDING PLANTER WALLS RECESSED LIGHTING.
14. FINAL DESIGNER TO ELIMINATE LOCATIONS NOT REQUIRED BY AGENCY FOR DETAIL SEE AS2-0003.
15. WARNING STRIPS AT PLATFORM EDGE SHALL BE TYPE "A". SEE AS2-0003.
16. FINAL DESIGNER TO ELIMINATE LOCATIONS NOT REQUIRED BY AGENCY FOR DETAIL SEE AS2-0003.
17. FOR BICYCLE RACK, BICYCLE LOCKER, AND TRASH RECEPTACLE SEE AS2-0002.
18. FOR TREE GRATE SEE AS2-0001.
NOT AN APPROVED DRAWING
PRELIMINARY 10% DESIGN
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

IN-PROGRESS
COTTON BELT REGIONAL RAIL SYSTEM
LINE SECTION CB-3
CITYLINE STATION
PARTIAL PLAN "A"

CONTRACT SHEET No.
A42-1502

PARTIAL PLAN "A"

SCALING W/ 0'-0" SCALE MARKS

ELECTRIC NS-3 TRACKS

COUNTLINE STATION

DETAILS FOR WINDSCREEN TYPE WS-U AND WS-S TO BE DETERMINED BY FINAL DESIGNER.

FOR VMB STANCHION DETAIL SEE AS2-0009.

FOR TREE GRATE SEE AS2-0001.
COORDINATE WITH FINAL DESIGNER.

LED LIGHTING AROUND THE PERIMETER.
WINDSCREEN ROOF WILL HAVE RECESSED LINEAR LIGHTING INCLUDING PLANTER WALLS RECESSED LIGHTING.
FINAL DESIGNER TO COORDINATE ALL LIGHTING PLANS TO INCLUDE HOSE BIBBS ON PLATFORM.
FINAL DESIGNER TO COORDINATE IRRIGATION PLANS TO ACCOMMODATE TRACK SLOPE.
MAINTAIN SLOPE OF LESS THAN 4.7%.
PLATFORM CROSS SLOPE DOWN TOWARD TRACK END.
FINAL DESIGNER TO ADJUST LENGTH OF RAMP TO MIN. 1%, MAX. 1.75%.
PLATFORM CROSS SLOPE DOWN TOWARD TRACK END.
SECONDARY TVM LOCATION WITH AGENCY.
FINAL DESIGNER TO COORDINATE THE NEED FOR BICYCLE RACK, BICYCLE LOCKER, AND TRASH RECEPTACLE SEE AS2-0002.
FOR BICYCLE RACK, BICYCLE LOCKER, AND TRASH RECEPTACLE SEE AS2-0002.

DETAILS FOR "A" TYPE WARNING STRIPS AT PEDESTRIAN TRACK CROSSWALKS TO BE DETERMINED BY FINAL DESIGNER.

NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

NOTES:
1. Train cars, tracks and ties are indicated for information purposes only.
2. Top of rail = 0'-0".
3. For culverts and supports on column see AS2-0007 and AS2-0008. See 0'-0" radius of finish at column. Complete elements on new structure.
4. All possible locations are shown; final designer to eliminate locations not required by agency for exhibit AS2-0001.
5. Warning strips at platform edge shall be Type "A". See AS1-0002, AS1-0003 and AS1-0004.
6. Warning strips at pedestrian space crossings shall be Type "A". See AS1-0002, AS1-0003 and AS1-0004.
7. For T-2 location confirm location by Agency for exhibit AS2-0001.
8. Details for Windscreen Type WS-U and WS-S to be reviewed by final designer.
10. To be determined by final designer.
11. Final designer to coordinate all irrigation assemblies to include hose bibs on platform.
12. Final designer to coordinate all lighting including planters and recessed lighting.
13. Warning strips at windscreen Type WS-U shall be Type "M" see AS1-0006, AS1-0007 and AS1-0009.
14. Warning strips at platform edge shall be Type "A". See AS1-0002, AS1-0003 and AS1-0004.
15. Final designer to coordinate the need for secondary windscreen location with agency.
16. Final designer to adjust lengths of ramp to maintain slope of less than 4.7% accommodating floor slope.
17. Final designer to coordinate irrigation plans to represent slope based on platform.
18. Final designer to coordinate all lighting including planter walls recessed lighting.
19. Warning strips at windscreen Type WS-U shall be Type "M" see AS1-0006, AS1-0007 and AS1-0009.
20. Final designer to coordinate irrigation plans to represent slope based on platform.
21. Final designer to coordinate all lighting including planter walls recessed lighting.
22. Final designer to coordinate irrigation plans to represent slope based on platform.
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98. Final designer to coordinate irrigation plans to represent slope based on platform.
99. Final designer to coordinate all lighting including planter walls recessed lighting.
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

NOTES:
1. ALL POSSIBLE TVM LOCATIONS ARE SHOWN. LOCATION TO ELIMINATE LOCATIONS NOT REQUIRED BY DART FOR DETAIL SEE AS2-0009.
2. PSI AND STROBE DETAIL SEE AS2-0004.
3. FOR PASSENGER EMERGENCY CALL (PEC) DETAIL SEE AS2-0009.
4. FOR BICYCLE RACK, BICYCLE LOCKER, BICYCLE STORAGE SEE AS2-0009.
5. BICYCLE RACK AND BICYCLE LOCKER LOCATIONS WILL BE ADJUSTED TO SITE SPECIFIC BY DESIGNER.
6. SEE IRRIGATION DRAWINGS FOR HOSE LOCATIONS.
7. AMENITIES LEGEND:

CCTV  CLOSED CIRCUIT TELEVISION
AMENITIES LEGEND:

D  D.1
6
3
5
4
4.5
2
1

COTTON BELT REGIONAL RAIL SYSTEM
AERIAL 13TH STREET STATION
PARTIAL CONCOURSE PLAN "A"
FIRE HOSE VALVE
FIRE HORN/STROBE
REC   ELECTRICAL RECEPTACLE
(SEE DRAWING AS3-0004)
WS-5  WINDSCREEN TYPE 5
(SEE DRAWING AS3-0002)
WS-1  WINDSCREEN TYPE 1
VMB   VISUAL MESSAGE BOARD (NIC)
TVM   TICKET VENDING MACHINE BASE
TV    TICKET VALIDATED J-BOX
(SEE DRAWING AS2-0002)
T-2   RECYCLE BIN
(SEE DRAWING AS2-0002)
T-1   TRASH RECEPTACLE
WITH BLUE LIGHT
PEC   PASSENGER EMERGENCY CALL
PA    PUBLIC ANNOUNCEMENT
M-1   SYSTEM MAP (NIC)
(CIC FUTURE)
CCTV  CLOSED CIRCUIT TELEVISION
AMENITIES LEGEND:
COTTON BELT REGIONAL RAIL SYSTEM
DATE
SCALE
DRAWN
DESIGNED
CHECKED
IN CHARGE
CONTRACT SHEET No. 422-6113
DWG No. 02/02/2018
b w h ite sid e
OF
DART PROJECT
www.kaitexas.com
F. 817.288.0952
T. 214.742.0400
Dallas,TX 75208
Suite 100
101 North Zang Blvd
KAI TEXAS ID # 9010
ON 02/02/2018
DARREN L. JAMES, R.A. 18748
DART, all rights reserved, 1987-2018
APP
CHK
ENG
BY
DESCRIPTION
DATE
CR
AMEND
REV
IN-PROGRESS
PARTIAL PLATFORM PLAN "B"
SCALE: ""=1'-0"
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN
CONTRACT SHEET No. 146 of 165
COTTON BELT REGIONAL RAIL SYSTEM
LINE SECTION CB-3
AERIAL 12TH STREET STATION
ON RED LINE
PARTIAL PLATFORM PLAN "B"
PARTIAL PLATFORM PLAN "D"

NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

AMENITIES LEGEND:
1. TRASH AND TIES ARE INDICATED FOR INFORMATION PURPOSE ONLY.
2. ALL WARNING STRIPS TO BE TYPE A UNLESS NOTED OTHERWISE, SEE AS1-0008.
3. FOR PASSENGER EMERGENCY CALL DETAIL SEE AS3-0003.
4. FOR VMB STANCHION DETAIL SEE SHEET AS1-0007.
5. FOR WINDSCREEN TYPE WS-1 AND WS-5 SEE AS2-0009.
6. FOR CONDUIT AND SLEEVE LOCATION AT PLATFORM LEVEL ON COLUMN BASE SEE AS3-0004.
7. FOR PASSENGER EMERGENCY CALL (PEC) DETAIL SEE AS2-0009.
8. FOR TRASH RECEPTACLE (T-1) SEE AS2-0002.

NOTES:

1. CONCRETE PEDESTRIAN CROSSWALK
2. SERVICE WALKWAY
3. ELEVATED STRUCTURE
4. EDGE OF EXISTING SAFETY RAIL
5. WARNING STRIP (TYP)
6. CONCRETE CURB
7. CONCRETE CURB AND 42" GUARD RAIL
8. WARNING STRIP (TYP)
9. UNIT PAVERS
10. UNIT PAVERS
11. UNIT PAVERS
12. UNIT PAVERS
NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

STATION CROSS SECTION

IN-PROGRESS

DART PROJECT
COTTON BELT REGIONAL RAIL SYSTEM
LINE SECTION CB-3
AERIAL 12TH STREET STATION
ON RED LINE
STATION CROSS SECTION
STRADDLE BENTS

SCALE: "=1'-0"

DESIGNER: DARREN L. JAMES, R.A. 18748

CONTRACT SHEET No. 150 of 165

KAI TEXAS ID # 9010
ON 02/02/2018

www.kaitexas.com
F. 817.288.0952
T. 214.742.0400
Dallas, TX 75208 Suite 100
101 North Zang Blvd

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AUTHORITY OF:
FOR THE PURPOSE OF REVIEW UNDER THE
THIS DOCUMENT IS RELEASED
BIDDING OR PERMIT PURPOSES.
IT IS NOT TO BE USED FOR CONSTRUCTION,

IN PROGRESS
1. BEYOND DIAMETER OF SECTION.
2. SCALE: "=1'-0".
3. WARNING STRIP AT PLATFORM END SHALL BE TYPE "A".
6. FOR BILLBOARD DETAIL SEE AS2-0003.
7. FOR VMB STANCHION DETAIL SEE AS2-0009.
10. FINAL DESIGNER TO ELIMINATE LOCATIONS NOT REQUIRED.
11. ALL POSSIBLE TVM LOCATIONS ARE SHOWN. FINAL DESIGNER TO COORDINATE THE NEED FOR VMS.
12. MIN. 1%, MAX. 1.75%.
13. FINAL DESIGNER TO COORDINATE IRRIGATION PLANS TO ACCOMMODATE TRACK SLOPE.
14. PLANS TO INCLUDE HOSE BIBBS ON PLATFORM.
15. FINAL DESIGNER TO COORDINATE ALL LIGHTING PLANS TO ACCOMMODATE PLANTS WALL RECESSED LIGHTING.
16. COORDINATE WITH FINAL DESIGNER.
18. FOR TREE GRATE SEE AS2-0001.
1. Train cars, tracks and ties are indicated for informational purposes only.
2. Top of rail - 0'-0".
3. For concrete and downslopes on column see AS2-0017-AS2-0022 AS in basis of design to convey elements in new structure.
4. All possible TVM locations are shown. Final designer to eliminate locations not required by agency for details see AS2-0023.
5. Warning strips at platform edge shall be Type "A". See AS2-0022, AS2-0023 and AS2-0024.
6. Warning strips at pedestrian traffic crossings shall be Type "A". See AS2-0022, AS2-0023 and AS2-0024.
7. For TVM see AS2-0023.
8. For TVM stanchion detail see AS2-0023.
9. For bicycle rack, bicycle locker, and trash receptacle see AS2-0022.
10. Final designer to adjust length of ramp to maintain slope of less than 4.7%. Accommodating slope shall.
11. Final designer to coordinate the need for secondary rail location with agency.
12. Platform cross slope down toward track ends 0.1%. Accommodating slope shall.
13. Final designer to coordinate irrigation plan to include roof areas on platform.
14. Final designer to coordinate all lighting including planter walls recessed lighting.
15. Concourse roof will have recessed linear LED lighting around the perimeter, coordinate with final designer.
COTTON BELT REGIONAL RAIL SYSTEM

CONTRACT SHEET No.

IN-PROGRESS

NOT AN APPROVED DRAWING
PRELIMINARY 20% DESIGN

SHILOH STATON

SCALE: "=1'-0"

FOR INFORMATION ONLY

<PLATE H> + 6" BUFFER SHOWN

DYNAMIC ENVELOPE FOR FREIGHT
VEHICLE SHOWN FOR DYNAMIC ENVELOPE FOR

AC2-3701
AC5-3704

FOR INFORMATION ONLY

WORK SURFACE
SURFACE
STANDING

PLATFORM LED
LIGHT FIXTURES

COLUMN CLADDING
SUPPORT COLUMN
WS-S CANOPY

SUPPORT COLUMN
STEEL CANOPY

LOOKING DOWN STATION

CB-3 SB
CB-3 NB