

SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY

Board Members

C. April Boling
Chairman

Catherine Blakespear
Greg Cox
Mark Kersey
Robert T. Lloyd
Paul McNamara
Paul Robinson
Johanna S. Schiavoni
Mark B. West

AUTHORITY ADVISORY COMMITTEE

AGENDA

Wednesday, February 19, 2020
9:00 a.m.

San Diego International Airport
Administration Building – Second Floor
Orville and Wilbur Wright Conference Rooms
3225 N. Harbor Drive
San Diego, California 92101

Ex-Officio Board Members

Cory Binns
Col. Charles B. Dockery
Gayle Miller

President / CEO

Kimberly J. Becker

This Agenda contains a brief general description of each item to be considered. If comments are made to the Committee without prior notice, or are not listed on the Agenda, no specific answers or responses should be expected at this meeting pursuant to State law.

Copies of written documentation relating to each item of business on the Agenda are on file in the Airport Authority's office and are available for public inspection.

PLEASE COMPLETE A "REQUEST TO SPEAK" FORM PRIOR TO THE COMMENCEMENT OF THE MEETING AND SUBMIT IT TO THE CLERK OF THE COMMITTEE.

The Authority has identified a local company to provide oral interpreter and translation services for public meetings. If you require oral interpreter or translation services, please telephone the Board Services/Authority Clerk Department with your request at (619) 400-2400 at least three (3) working days prior to the meeting.

CALL TO ORDER:

PLEDGE OF ALLEGIANCE:

ROLL CALL:

Committee Members: Damon Blythe, Jaymie Bradford, Brigette Browning, Nikia Clarke, Melanie Cohn, Seth Cutter, Jo Marie Diamond, Michael DiGirolamo, Oris Dunham (Chair), Jeffrey Gattas, Brian Hilemon, Hany Hong, Col. Carl Huenefeld II, (Ret.), Frederick Ladt, Keith Maddox, John Ohanian, Bill Sandke, Deanna Spehn, Emily Young

CHAIRMAN'S COMMENTS:

NEW BUSINESS:

1. **ADP Update**
(Dennis Probst, Vice President, Development)
2. **Fuel Farm Expansion Project**
(Ted Anasis, Manger, Airport Planning)
3. **Project Update**
(Bob Bolton, Director, Airport Design & Construction)
4. **Water Stewardship**
(Richard Gilb, Manager, Environmental Affairs)

NON-AGENDA PUBLIC COMMENT:

Non-Agenda Public Comment is reserved for members of the public wishing to address the Committee on any matter for which another opportunity to speak **is not provided on the Agenda**, and which is within the jurisdiction of the Committee. Please submit a completed speaker slip to the Clerk of the Committee. ***Each individual speaker is limited to three (3) minutes.***

COMMITTEE MEMBER COMMENTS:

Each committee member speaker is limited to five (5) minutes.

ADJOURNMENT:

NOTE: Members of the public wishing to address the Board on Agenda Items must submit a speaker slip to the Clerk of the Committee. When called to speak, please state your name and city of residence for the record. Each speaker is limited to three (3) minutes per Agenda Item.

This information is available in alternative formats upon request. To request an Agenda in an alternative format, or to request a sign language or oral interpreter, or an Assistive Listening Device (ALD) for the meeting, please telephone the Authority Clerk's Office at (619) 400-2400 at least three (3) working days prior to the meeting to ensure availability.

For your convenience, the agenda is also available to you on our website at www.san.org.



SAN DIEGO
INTERNATIONAL AIRPORT

LET'S **GO.**

Airport Advisory Committee

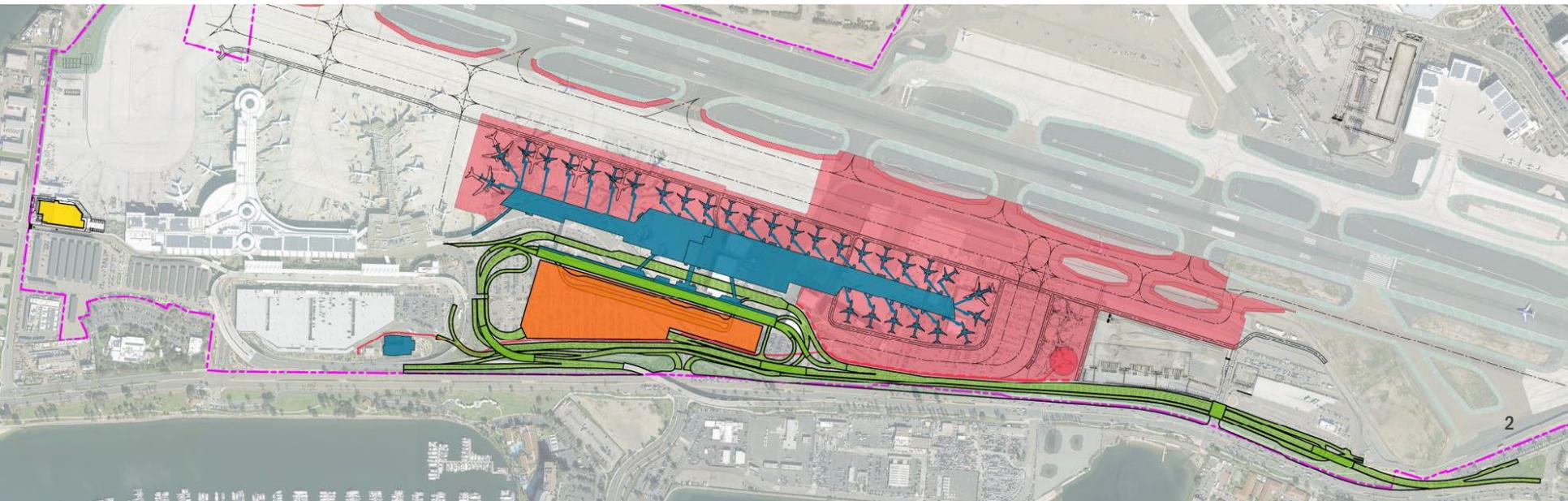
ADP Update

February 19, 2020

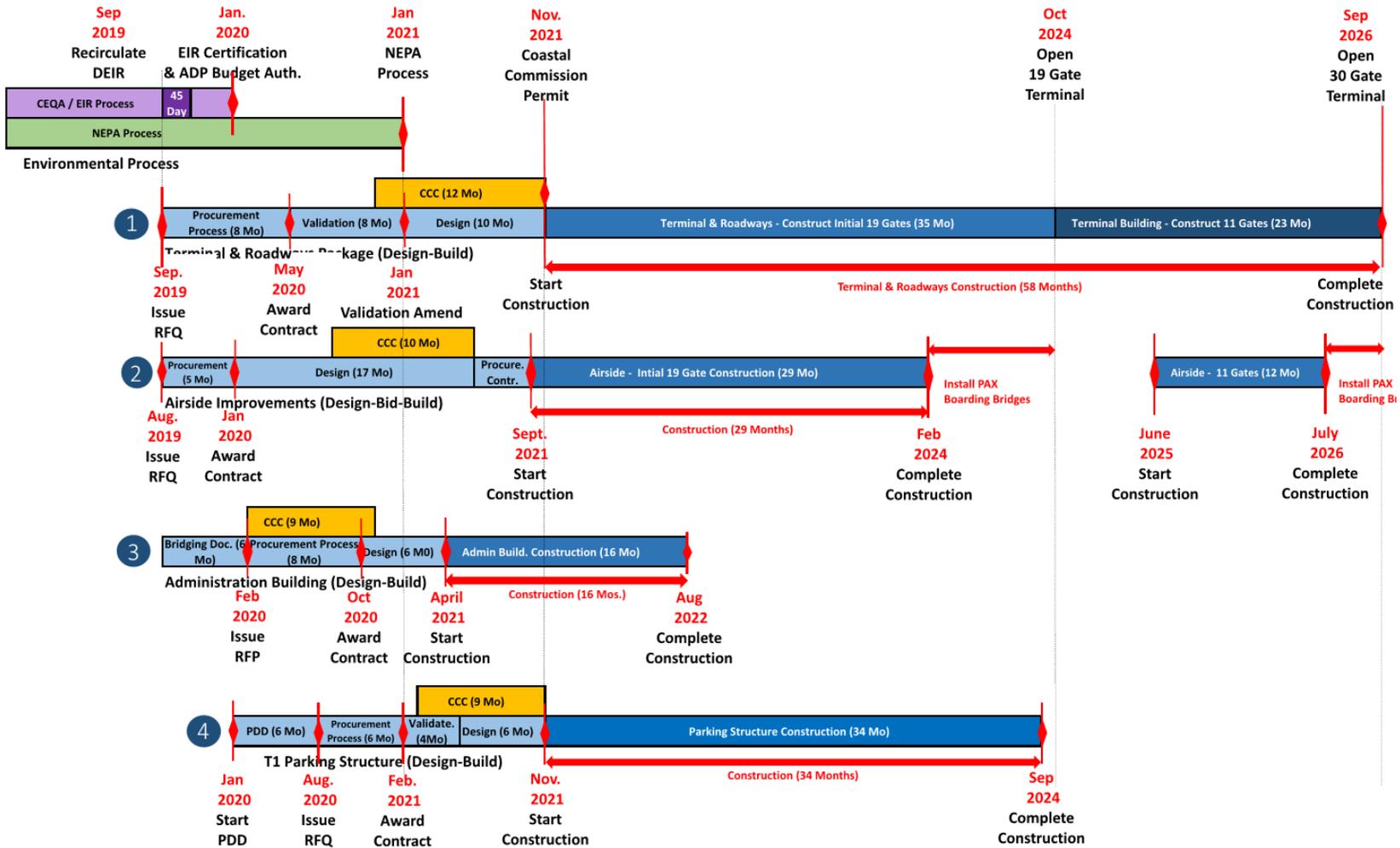
Presented by: Dennis Probst
Vice President, Development

Alternative 4 - Overall Project Scope

-  Package 1 – Terminal and Roadways
-  Package 1 (4) – Parking Structure
-  Package 2 – Airside Improvements
-  Package 3 – Administration Building



ADP Alternative 4 Anticipated Implementation Timeline



Anticipated Board Actions

Date	Event
February 2020	Fuel Tank EIR Fuel Consortium Agreement
May 2020	Award Terminal & Roadways DB Contract Award Contract to Commissioning Authority
October 2020	Award Admin Building DB Contract
January 2021	Validation Amendment Terminal & Roadways NEPA Completion
September 2021	Award Airfield Construction Contract

A low-angle photograph of a modern airport terminal building. The building features a complex, multi-tiered structure with large concrete overhangs and glass facades. The sky is bright and clear. A teal-colored overlay with a geometric pattern is positioned in the upper left quadrant, containing the text "Questions?".

Questions?

● Ticketing
U S Airways



ITEM 2

Fuel Farm Expansion Project

Authority Advisory Committee

February 19, 2020

Ted Anasis

Airport Planning Manager

Project Background

Busiest Single Runway Airport in US



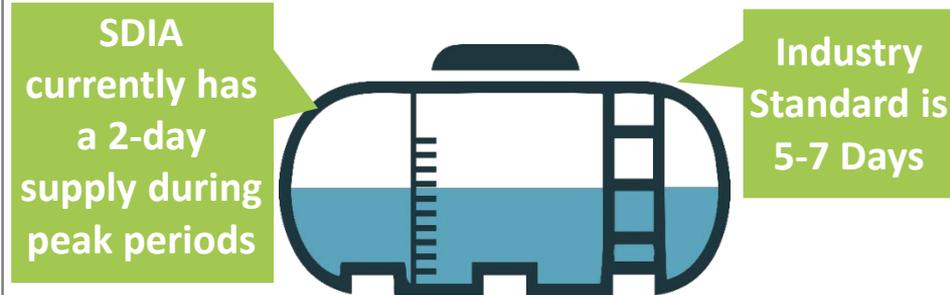
Inefficient supply chain



Growing Air Travel Demand



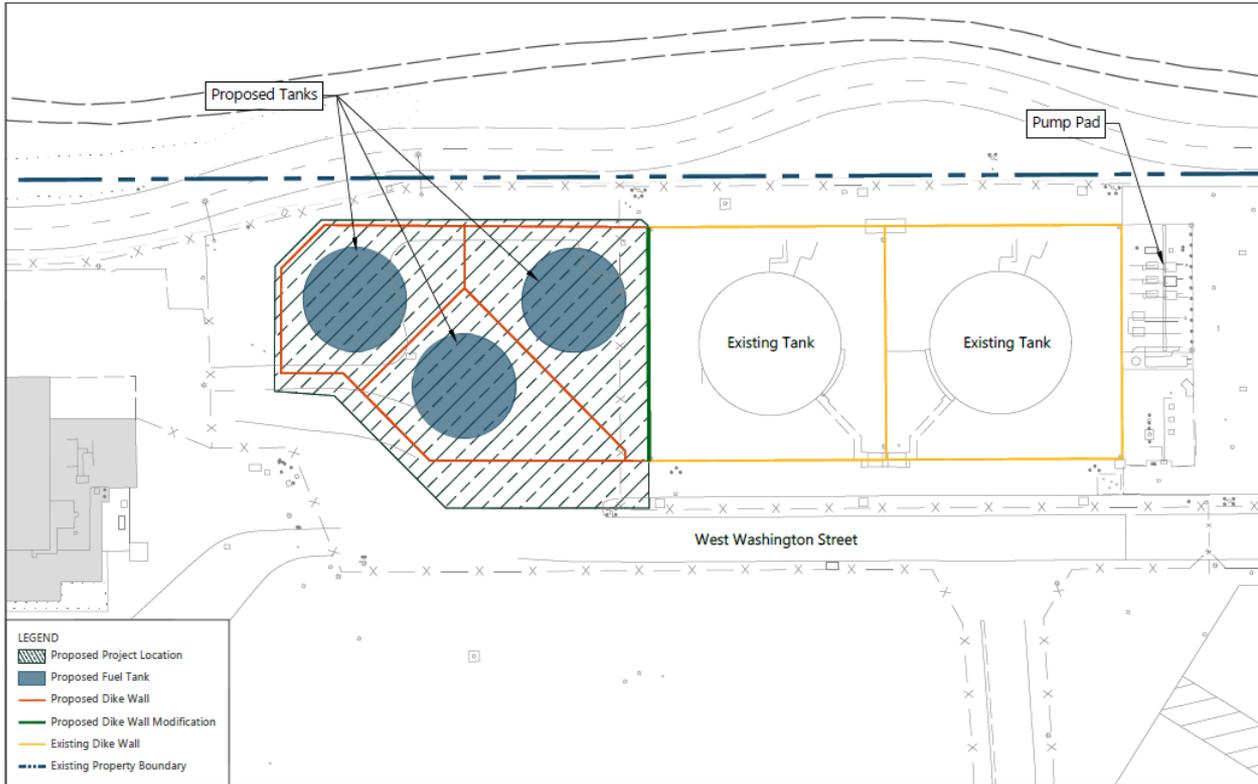
Insufficient fuel reserves



Project Objective

Increase fuel storage at the Airport to meet industry fuel reserve standards and to allow for maintenance and repair of fuel storage tanks and the supply pipeline without compromising on-airport refueling service

Project Site Plan



- (3) 58-foot high, 58-foot diameter, 1,146,320-gallon fuel storage tanks
- Associated fuel distribution system elements
- New and upgraded fire suppression elements (containment dike walls, foam makers, monitors, and chamber improvements)

Project Proponent: SAN Airlines Fuel Consortium

California Environmental Quality Act Review Process

Action	Date	Summary
Scoping and Notice of Preparation (NOP)	Nov – Dec 2018	<ul style="list-style-type: none"> 10 comment letters/oral comments Informed analysis and project components
Draft Environmental Impact Report (EIR)	Nov – Dec 2019	<ul style="list-style-type: none"> Four comment letters received: one organization and three public members
Responses to Comments / Final EIR available and posted	Jan 27, 2020	<ul style="list-style-type: none"> Responses to Comments submitted on Draft EIR; additions and corrections to the Draft EIR
Certify Final EIR	Feb 6, 2020	<ul style="list-style-type: none"> Approved by Authority Board
Complete NEPA Review & Coastal Development Permitting	Spring – Fall 2020	

Questions?



ITEM 3



SAN DIEGO
INTERNATIONAL AIRPORT

LET'S **GO.**

Authority Advisory Committee

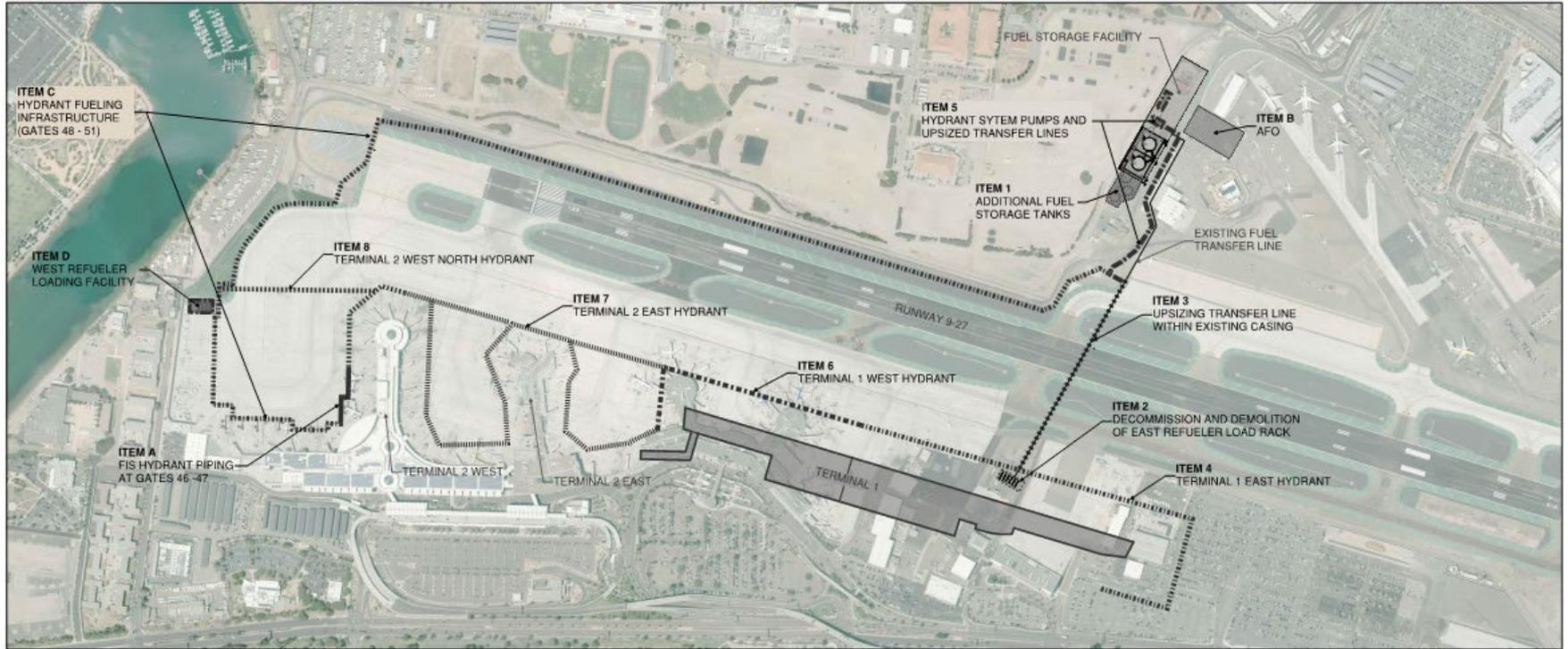
Project Update

February 19, 2020

Presented by: Bob Bolton

Director, Airport Design & Construction

Hydrant Fueling Program at SAN



LEGEND:

- | | | | |
|-------|---|-------|---|
| ..... | ITEM 1 - ADDITIONAL FUEL STORAGE TANKS | ———— | ITEM A - FIS HYDRANT PIPING AT GATES 46 - 47 |
| ..... | ITEM 2 - DECOMMISSION AND DEMOLITION OF EAST REFUELER LOAD RACK | ———— | ITEM B - AFO |
| ..... | ITEM 3 - UPSIZING TRANSFER LINE WITHIN EXISTING CASING UNDER RUNWAY | ..... | ITEM C - HYDRANT FUELING INFRASTRUCTURE (GATES 48 - 51) |
| ..... | ITEM 4 - TERMINAL 1 EAST HYDRANT FUEL SYSTEM | ..... | ITEM D - WEST REFUELER LOADING FACILITY |
| ..... | ITEM 5 - HYDRANT PUMP SYSTEM AND NEW UPSIZED TRANSFER LINES | | |
| ..... | ITEM 6 - TERMINAL 1 WEST HYDRANT FUEL SYSTEM | | |
| ..... | ITEM 7 - TERMINAL 2 EAST HYDRANT FUEL SYSTEM | | |
| ..... | ITEM 8 - TERMINAL 2 WEST NORTH HYDRANT FUEL SYSTEM | | |

Items 1 thru 8 will be implemented by the Airlines. Items A thru D have been/will be implemented by the Airport Authority.



Hydrant Fueling Infrastructure Project

Budget: \$51.7 M

Completion Date: October 2020

Project Scope

- FIS Gates 48 – 51
 - Install fuel transmission & distribution pipelines
 - Install hydrant pit assemblies and associated infrastructure
- Fuel farm to Engineered Material Arresting System (EMAS)
- East of EMAS, crossing south from north of runway to Gates 48 - 51
 - Install fuel transmission pipeline

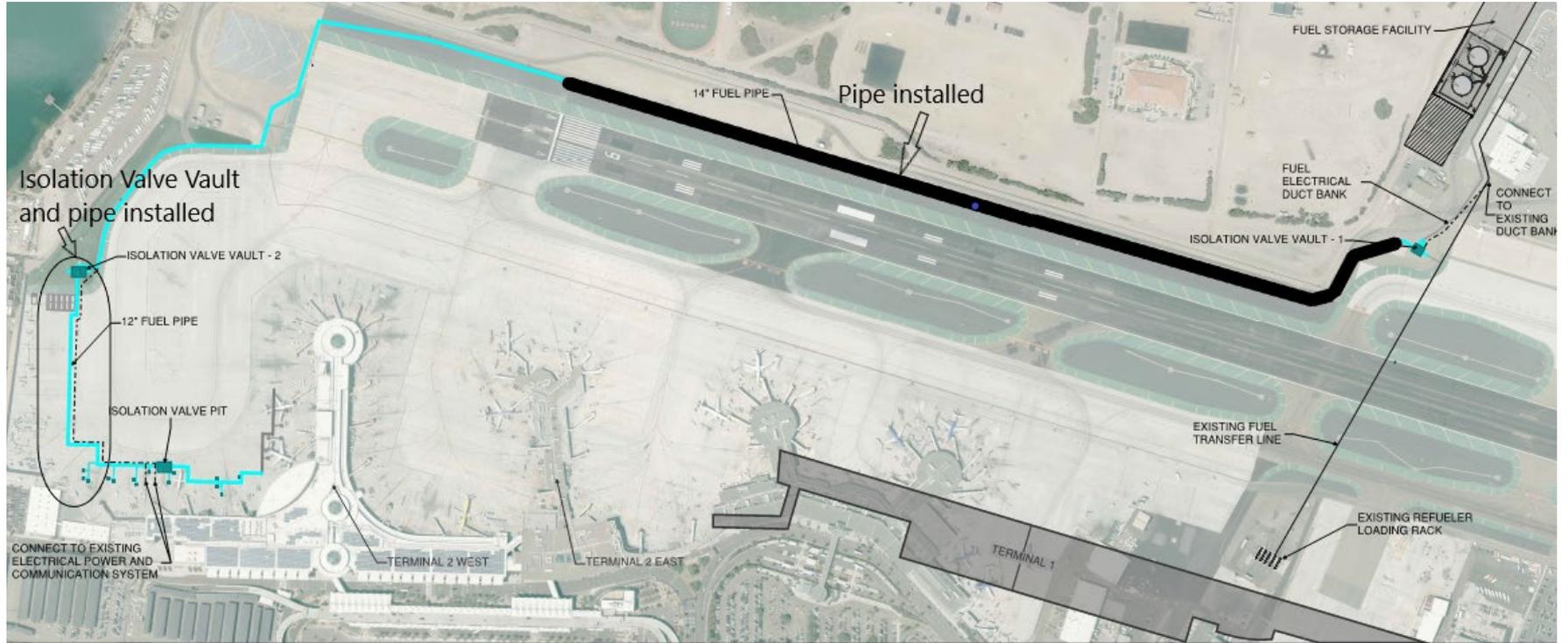
Major Upcoming Milestones

- Gate 51 Hydrant Fuel Work: Sep 2019 – Apr 2020
- Gates 49 & 50 Hydrant Fuel Work: Apr 2020 – Jul 2020
- Gate 48 Hydrant Fuel Work: Jul 2020 – Oct 2020

Project Status

- Runway Safety Area (RSA) north of runway – 3600 linear feet of fuel pipeline installed
- South of runway: 1000 linear feet of fuel pipeline and three hydrants installed

Hydrant Fueling Infrastructure Project



Hydrant Fueling Infrastructure Project



Welding of the joints



Radiograph testing



Fuel Hydrant Structure at Gate 51

Terminal 2 East Baggage Handling System Improvements Program Concept & Logistics

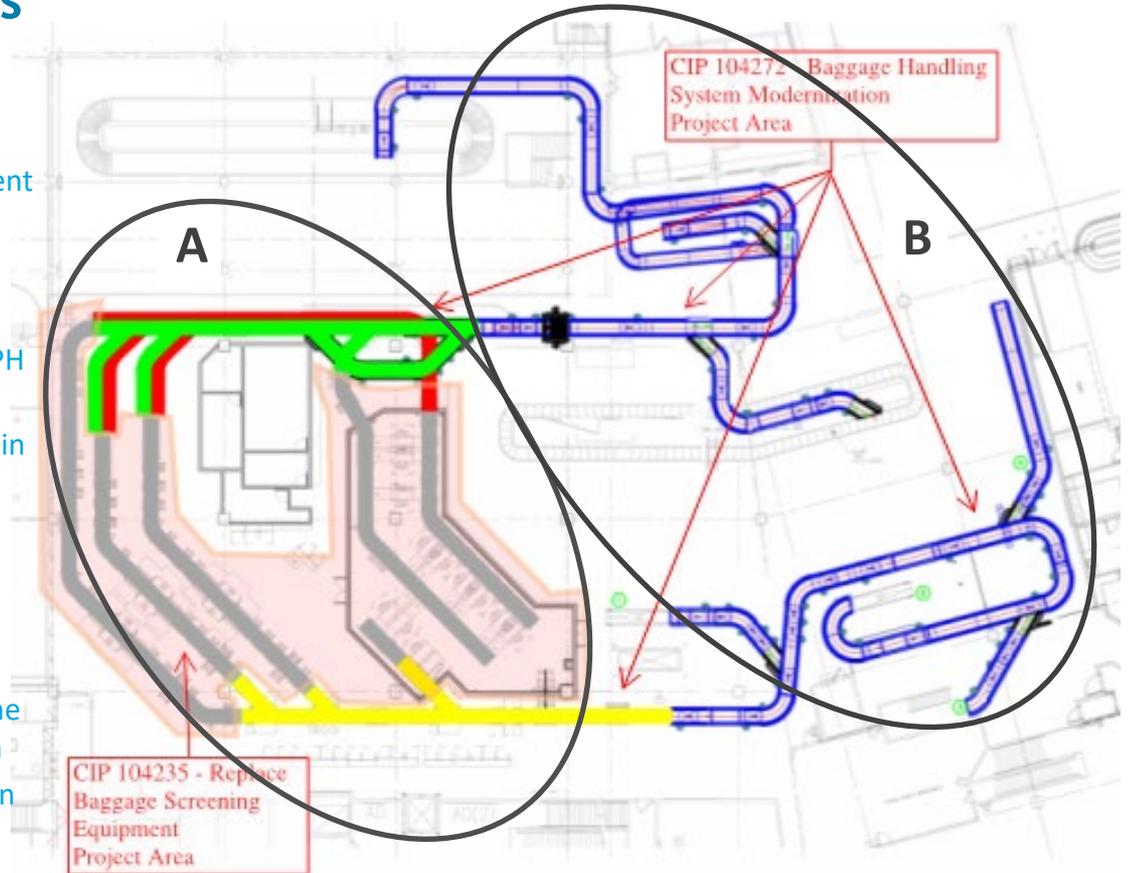
Current Projects

A. CIP 104235 - Replace Baggage Screening Equipment

- Project Budget \$11.1M
- Project Replaces Outdated TSA Explosion Detection System (EDS)
- Throughput Increase from 1050 to 2000 BPH (Bags per Hour)
- Currently in Construction with Completion in August 2020

B. CIP 104272 - Baggage Handling System Modernization

- Project Budget \$15.9M
- Project Scope Includes Modernization of the BHS System as Part of 5-years CIP Program
- Currently in Design Phase with Construction Planned in October 2020 for 9 months



Terminal 2 East Baggage Handling System Improvements

Project: 104235 - Replace Baggage Screening Equipment
Progress Photos



[Preassembly of New Conveyor System at Menzies Warehouse](#)



[Rigging of first new EDS-9800](#)

Terminal 2 East Baggage Handling System Improvements

Project: 104235 - Replace Baggage Screening Equipment

Progress Photos

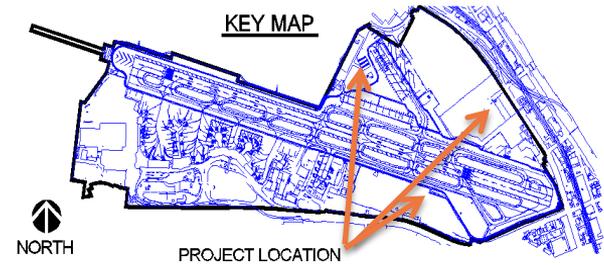


[New Conveyor System Installation – Security Spur Line 1](#)

Airport Support Facilities Design-Build

Project Budget: \$171.6 M

Construction Completion Date: December 2020



Project Scope

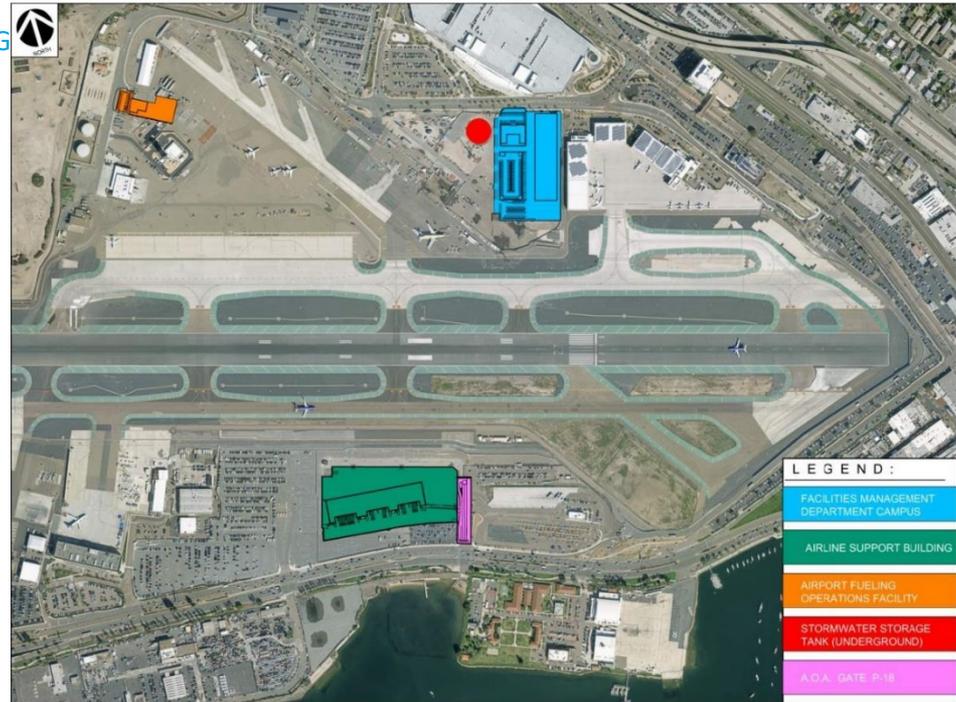
- Relocate Facilities Management Department (FMD) Campus
- Construct Storm Water Capture and Reuse Facilities, including a 3 MG Underground Concrete Storage Tank & Infiltration Basins
- Relocate Airport Fueling Operations (AFO) Facility
- Relocate/Consolidate Airline Belly Cargo, GSE Maintenance and Provisioning Operations (Airline Support Building – ASB)
- Relocate AOA Gate P-18

Anticipated Major Milestones

- FMD Buildings – Construction Complete: May 2020
- AFO Building – Construction Complete: August 2020
- Storm Water Tank – Construction Complete : September 2020
- ASB Base Building – Construction Complete: December 2020

Project Status

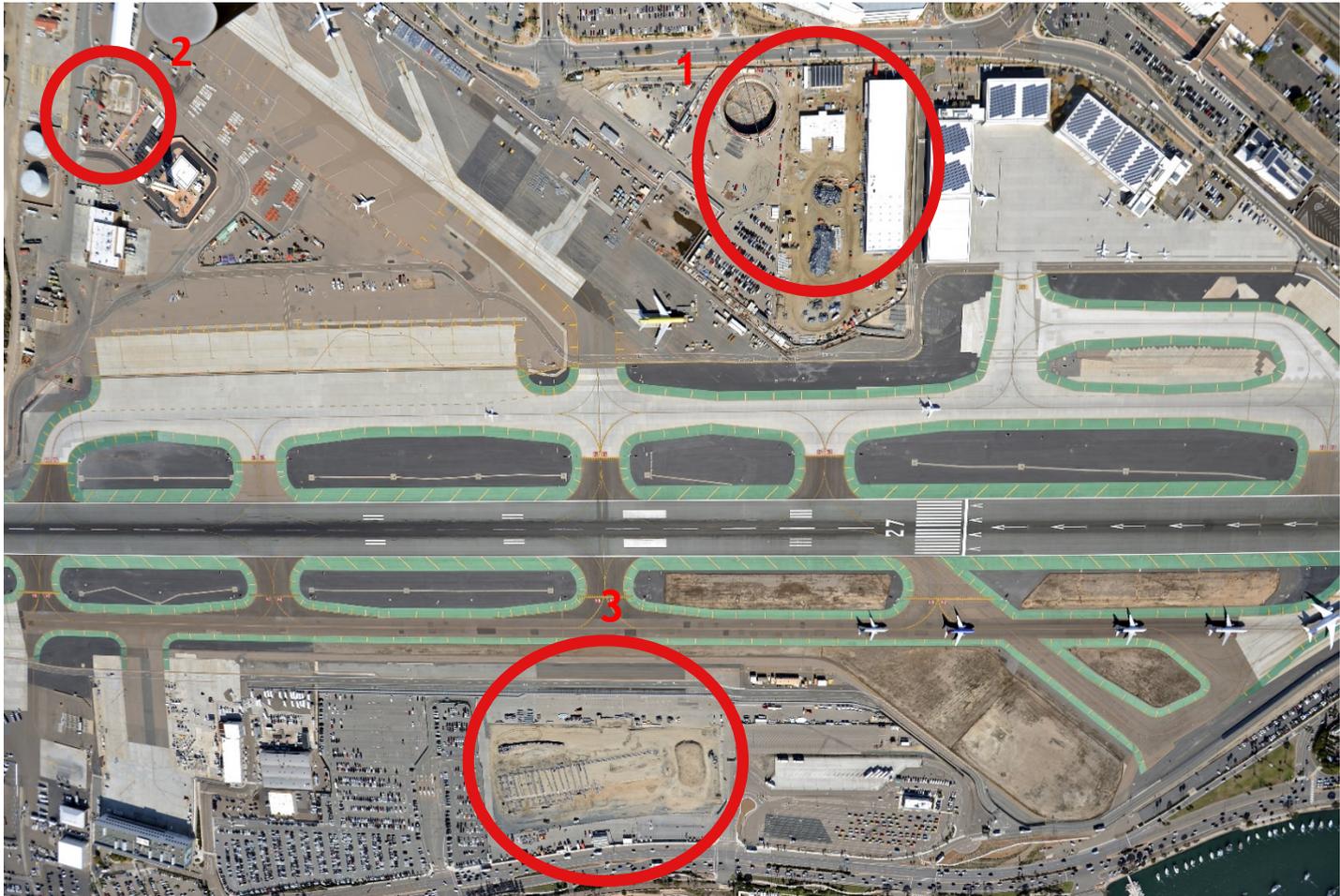
- FMD Campus – Steel erection is complete, Exterior metal panels and glazing nearly complete, MEP installation and Civil site work ongoing
- Storm Water Storage Tank – Excavation complete, hold-down piles and floor slab complete, rebar for tank walls being installed
- AFO – Foundation and CMU complete, roof installation underway
- ASB – piles, foundation and floor slab complete, steel erection started



1. FMD Campus / Storm Water Storage Tanks

2. Airport Fueling Operations

3. Airline Support Building



FMD Campus and Underground Storm Water Cistern Construction Progress



Facilities Management Department (FMD) Administration Building Entry



Facilities Management Department (FMD) Warehouse and Maintenance Shops Building



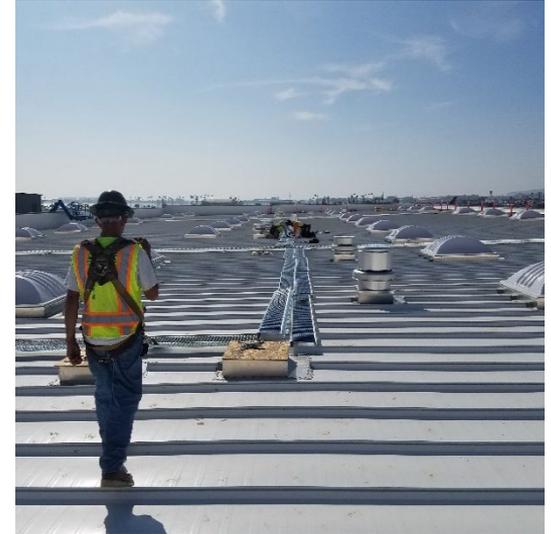
Facilities Management Department (FMD) Campus Construction Progress



Structural steel erection at FMD Shops building nearly complete



Installation of exterior metal panels at FMD Administration Building



Installation of catwalk system on roof of FMD Shops Building

3MG Underground Storm Water Cistern Construction Progress

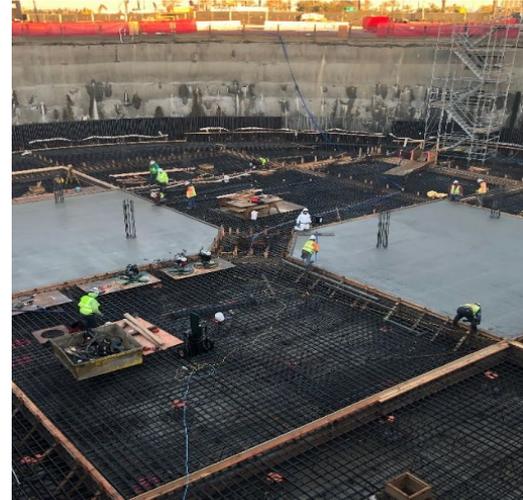


3MG Underground Storm Water Cistern Construction Progress



Excavation and Anchor Pile Placement

3MG Underground Storm Water Cistern Construction Progress

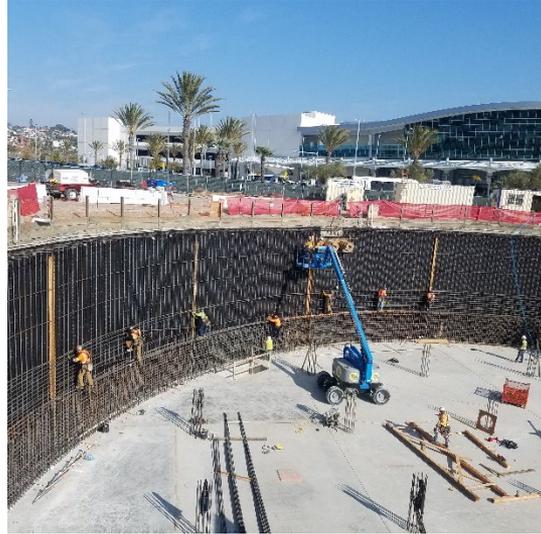


Liquid nitrogen being injected into concrete mixing trucks on site prior to placement

3MG Underground Storm Water Cistern Construction Progress



Ready to pour final section of the floor slab



Work begins on the wall forms prior to concrete pours



Tons (literally) of steel rebar being placed to allow concrete walls to withstand external pressure without cracking

Airport Fueling Operations Site



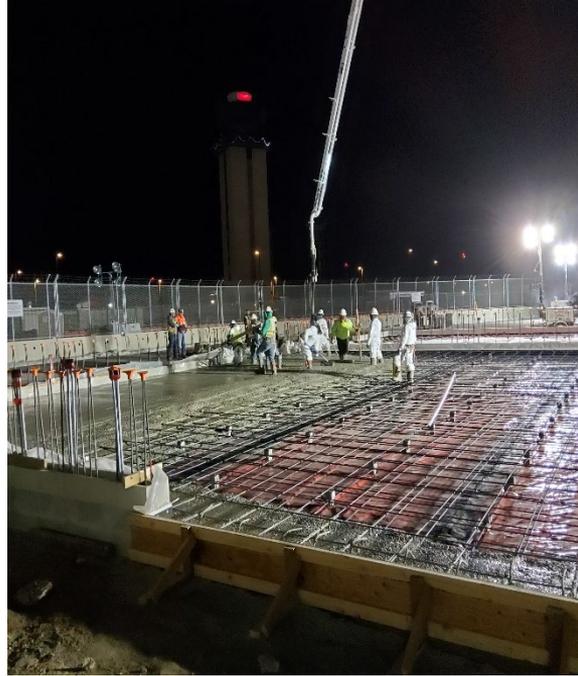
Airport Fueling Operations (AFO) Facility



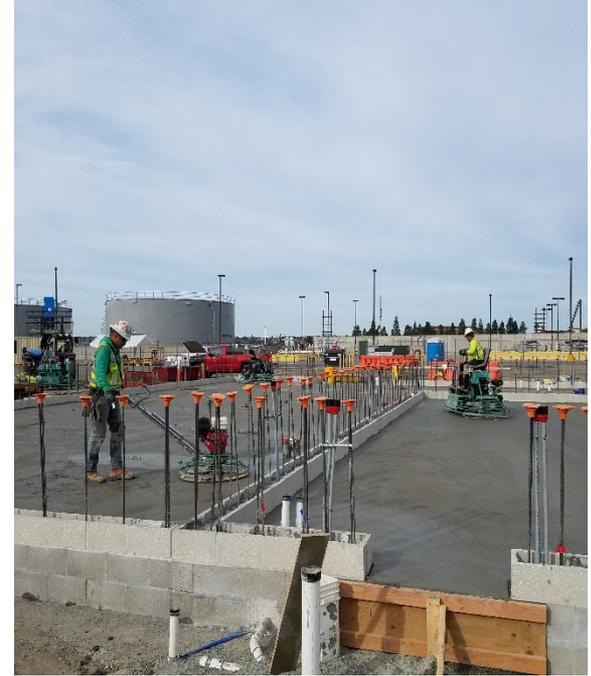
Airport Fueling Operations (AFO) Facility Construction Progress



First course of CMU block being placed at building perimeter



Placing the reinforced concrete floor slab over the vapor containment barrier



Finishing the floor slab

Airport Fueling Operations (AFO) Facility Construction Progress



CMU block placement at AFO
admin building nearly complete



Welding bolting plates for roof
of admin building



Installation of roof structure
utilizing bolting plates

Airline Support Building Site (ASB)



Airline Support Building (ASB)



Airline Support Building (ASB) Construction Progress



Steel reinforcement in place
for the pour of the floor slab



Concrete being pumped and
placed for night time pours of
the floor slab



Two 100' high cranes being
utilized to erect steel
framing as the ASB

Questions?

**Green
Build
Terminal 2
Expansion**
(2013)
\$810 M



**Parking
Plaza**
(May 2018)
\$110 M

**Rental Car
Center**
(2016)
\$302 M



**International
Arrivals
Facility**
(June 2018)
\$215 M

ITEM 4



SAN DIEGO
INTERNATIONAL AIRPORT

LET'S **GO.**

Water Stewardship

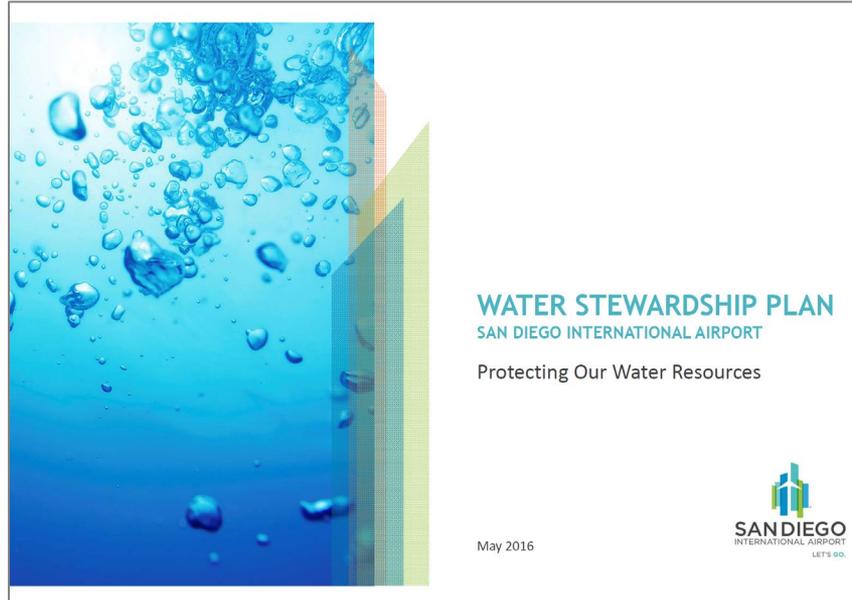
Authority Advisory Committee

February 19, 2020

Richard Gilb

Environmental Affairs Manager

Water Stewardship Plan



Establishes the Authority's vision for the stewardship of water resources by addressing water conservation, water quality, and flooding risk.

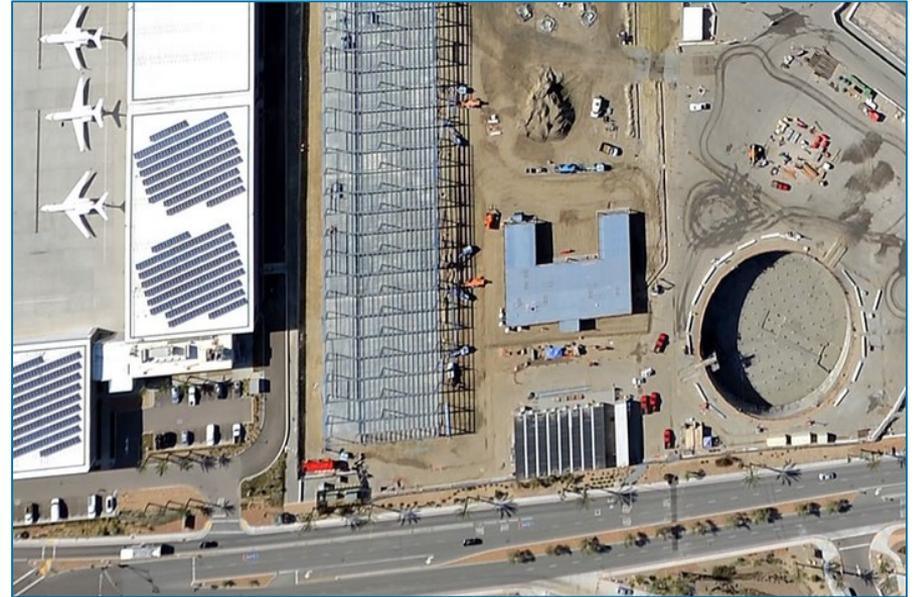
Storm Water Capture & Reuse



Terminal 2 Parking Plaza

- First SW Capture & Reuse System installed at SAN
- 100,000 gallons of storage w/ collected water used at Central Plant

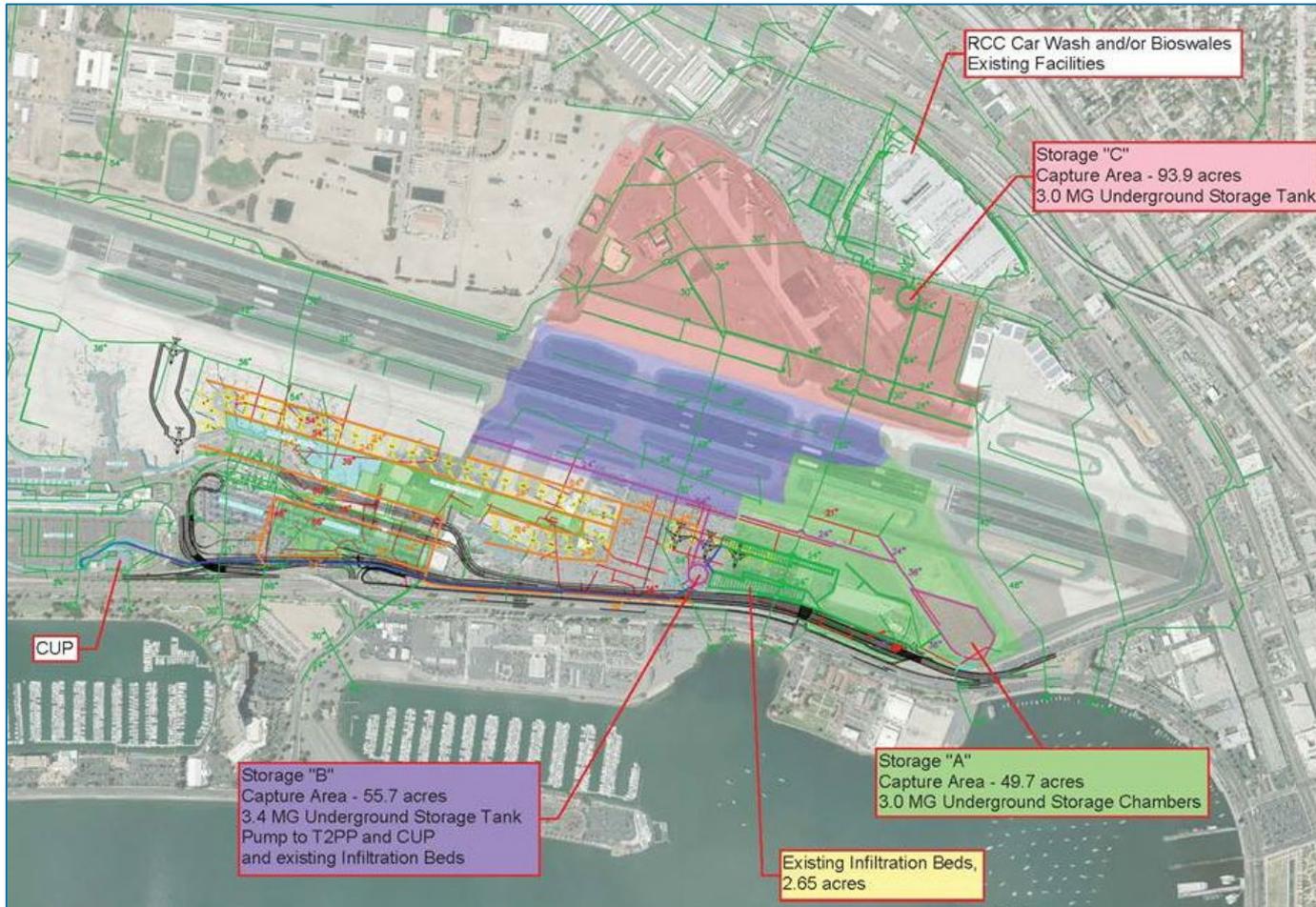
Storm Water Capture & Reuse



Northside Cistern

- 3-million gallons of underground storage
- Collected water will eventually be used for RCC car washes

Storm Water Capture & Reuse



A/C Condensate Collection



Jet Bridge A/C Units

- Collected water used to power wash sidewalks and clean equipment, and to make...

A/C Condensate Collection



...Beer!

Questions?

