

The logo for Vulcan Materials Company, featuring the word "Vulcan" in a large, bold, white sans-serif font with a slight drop shadow, and "Materials Company" in a smaller, white sans-serif font directly below it. The background is a photograph of a gravel quarry with large piles of sand and gravel under a clear sky.

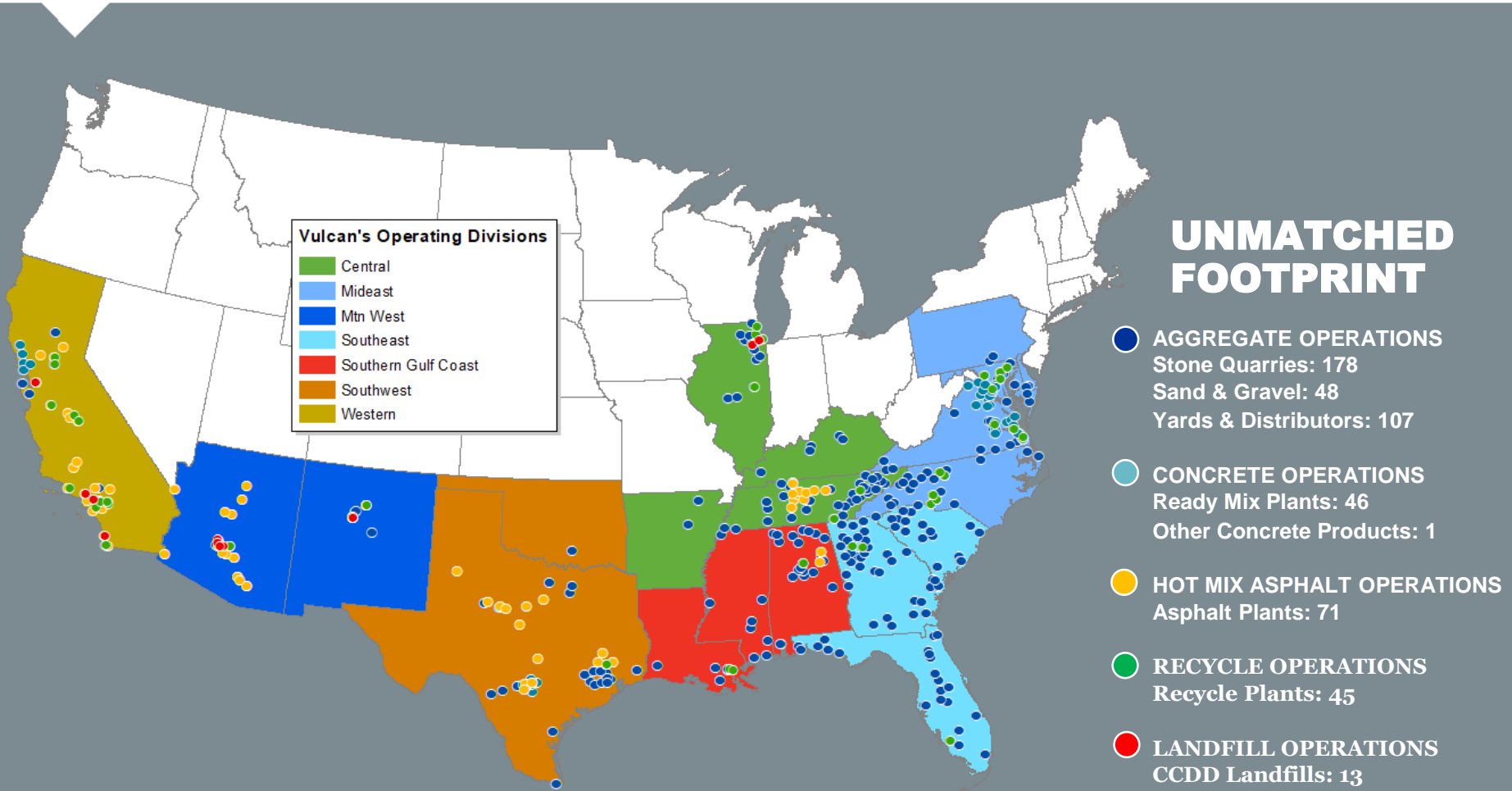
**Vulcan**  
Materials Company

Your Solutions Provider

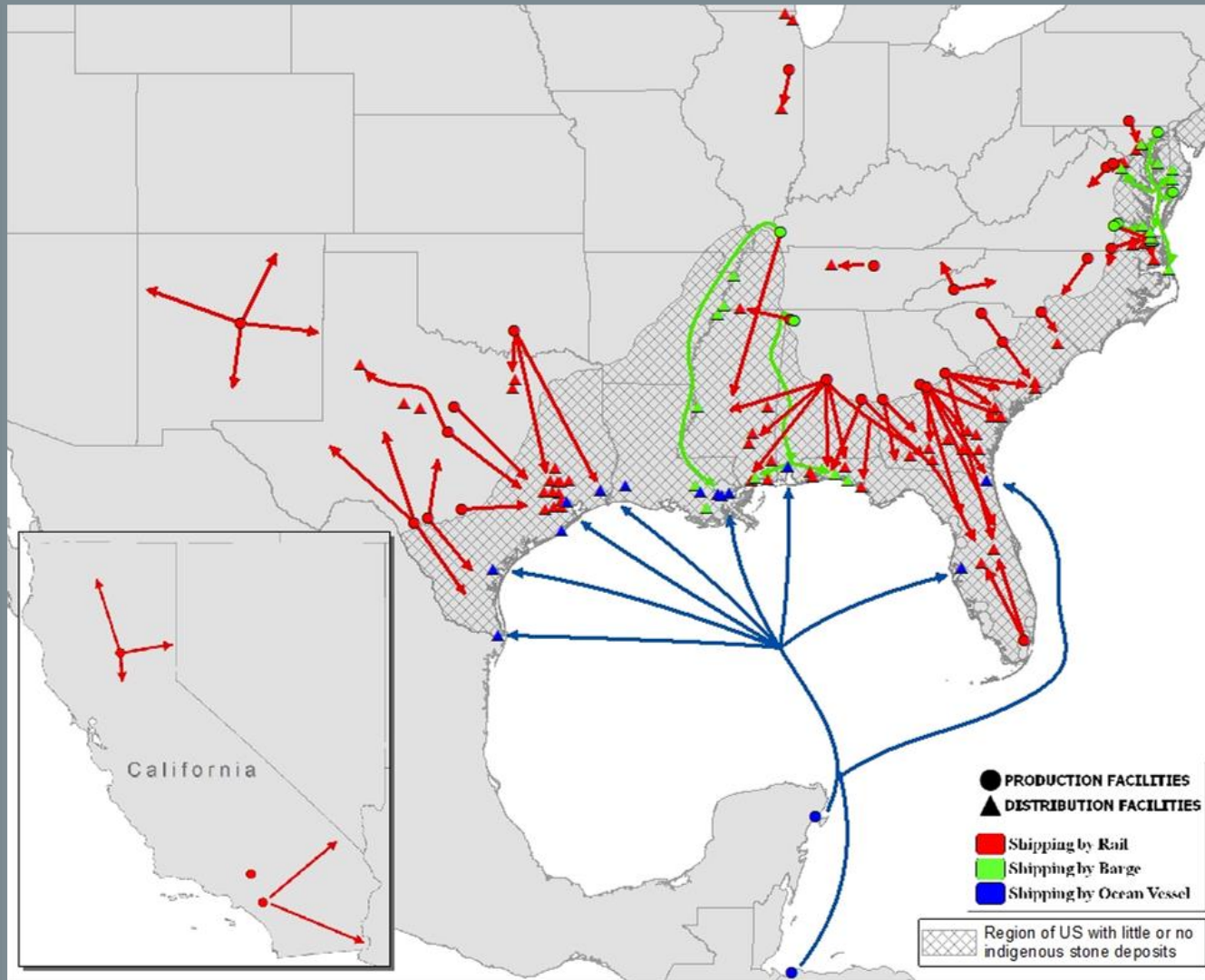
August 2021

UNMATCHED FOOTPRINT

# Your solutions provider



# DISTRIBUTION AND LOGISTICS



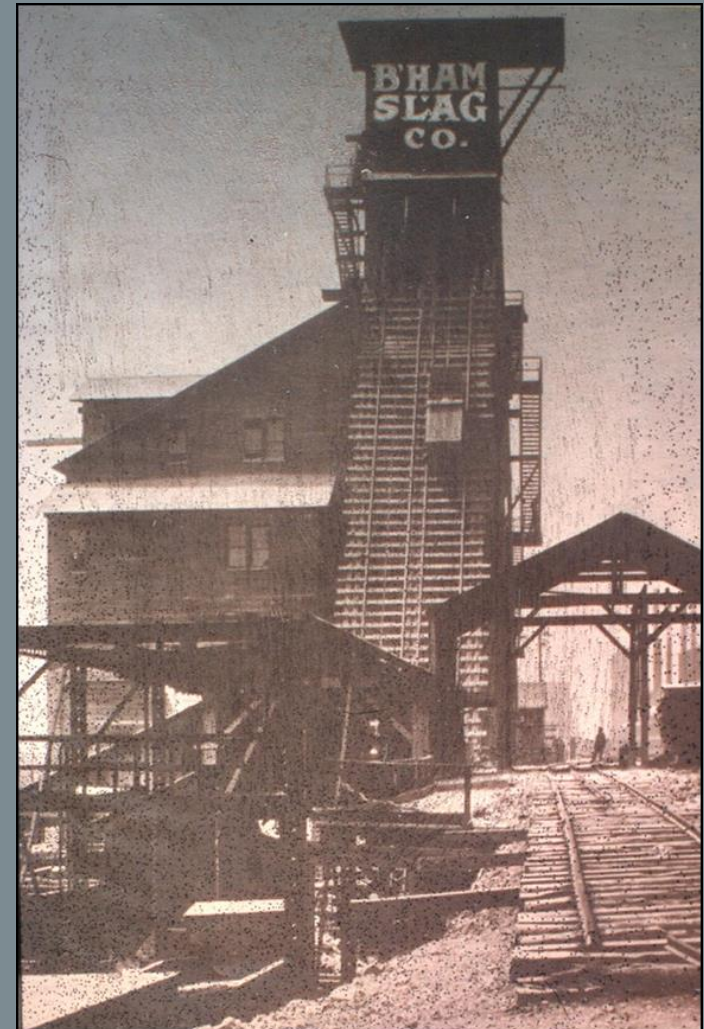


Vulcan's predecessor company, Birmingham Slag, was formed in 1909

Vulcan became a publicly held company in 1956 and is a member of the S&P 500 listed on the NYSE with a market cap of \$24.98 billion

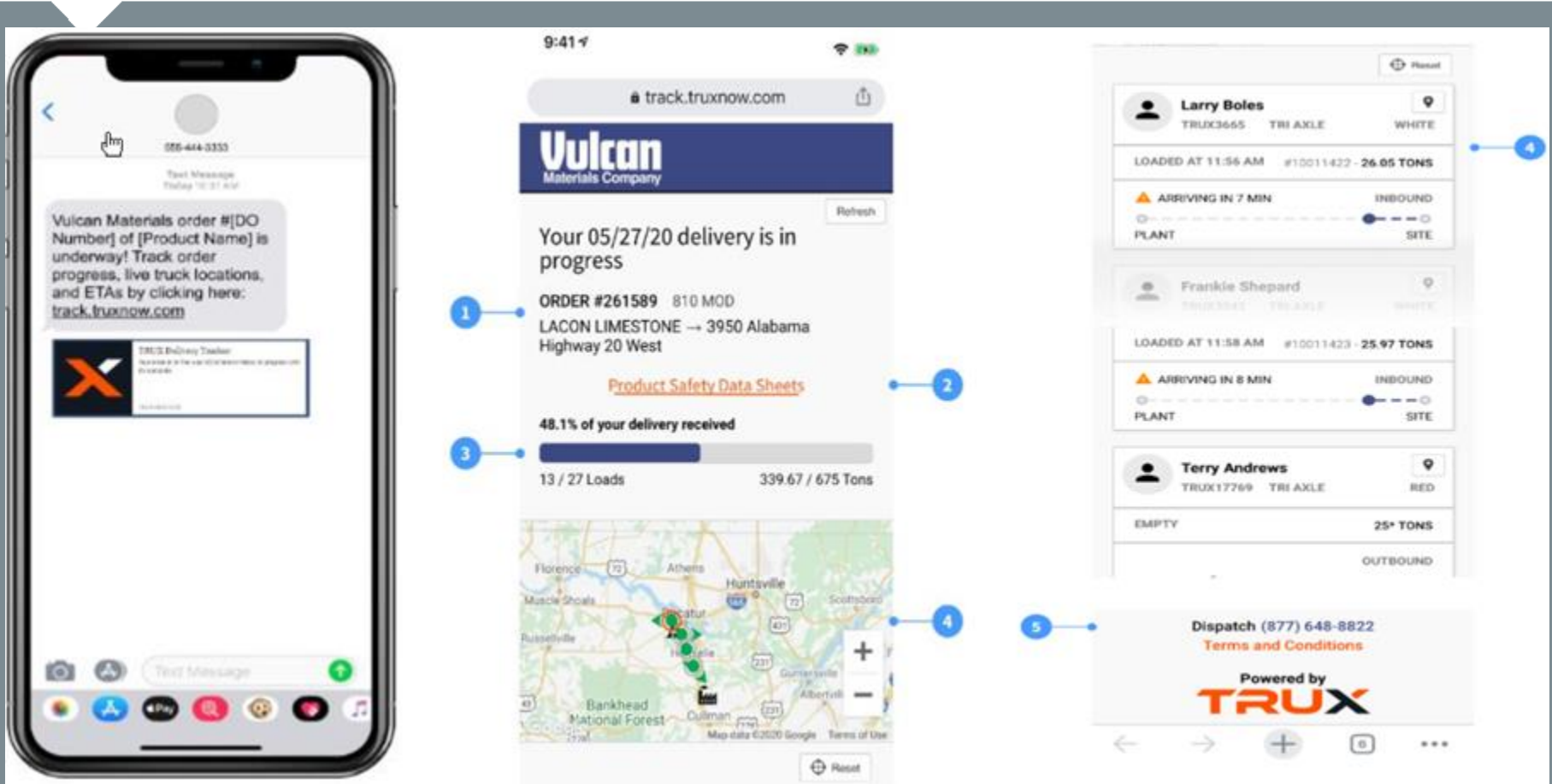
Vulcan is committed to:

- Safety
- Excellence
- Integrity
- Community
- Environment
- Our Employees, Shareholders, and Customers



## The Nation's Largest Supplier of Aggregates

- Serving 19 of the 25 highest growth metropolitan areas — more than any other aggregates company
- Unsurpassed distribution systems, with multiple transportation modes — rail, barge, ship and truck — to serve projects
- 15.5 billion tons of reserves
- Superior operations and demonstrated expertise
- 2017 Revenue: \$3.89 billion, 2018 Revenue: \$4.38 billion, 2019 Revenue: \$4.93 billion
- Hot mix asphalt, concrete operations, and material hauling complement the aggregate business
  - HMA plants in AL, AZ, CA, NM, TN and TX
  - RMC operations in CA, TX, NM, VA and D.C.
  - Material Hauling business across most of Vulcan's footprint
  - Construction Services in AL, TX, and TN



- First and Last Load Notification
- Order Progress
- ETA & GPS for each load
- No Download required



WHY VULCAN?

# Plants



# Operation of Drilling / Blasting and Loadout

## Drilling / Blasting

- The first part of our process is the extraction of the rock which involves drilling a pattern of holes and loading them with ANFO.
- The blasting process is highly technical with each blast hole timed out to the millisecond to produce the safest most effective shot possible.



## Loadout Process

- Once the material is “shot” a large frontend loader or shovel is used to load large haul trucks from the “muck pile”.
- These trucks haul the material out of the pit to the primary crusher.



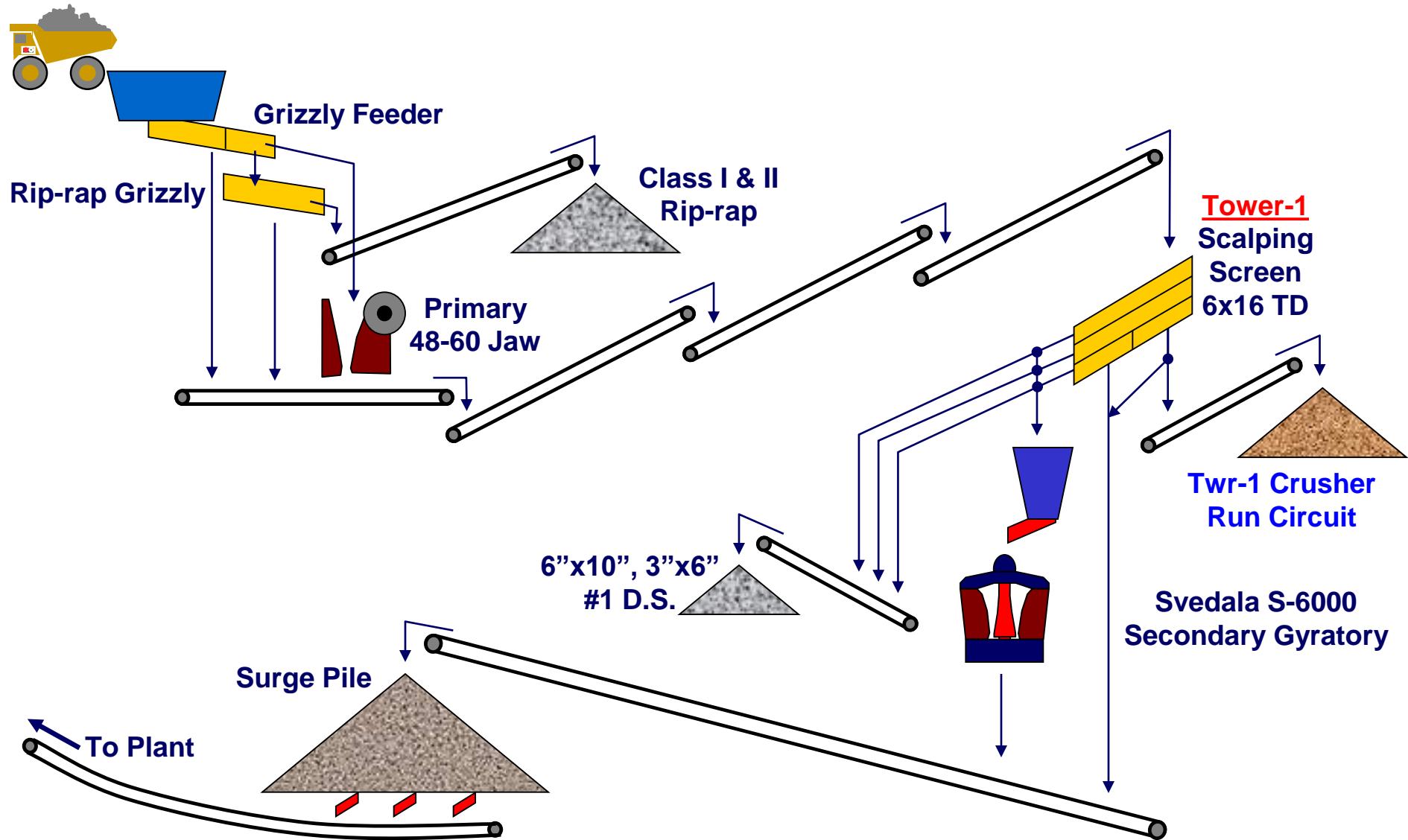


WHY VULCAN?

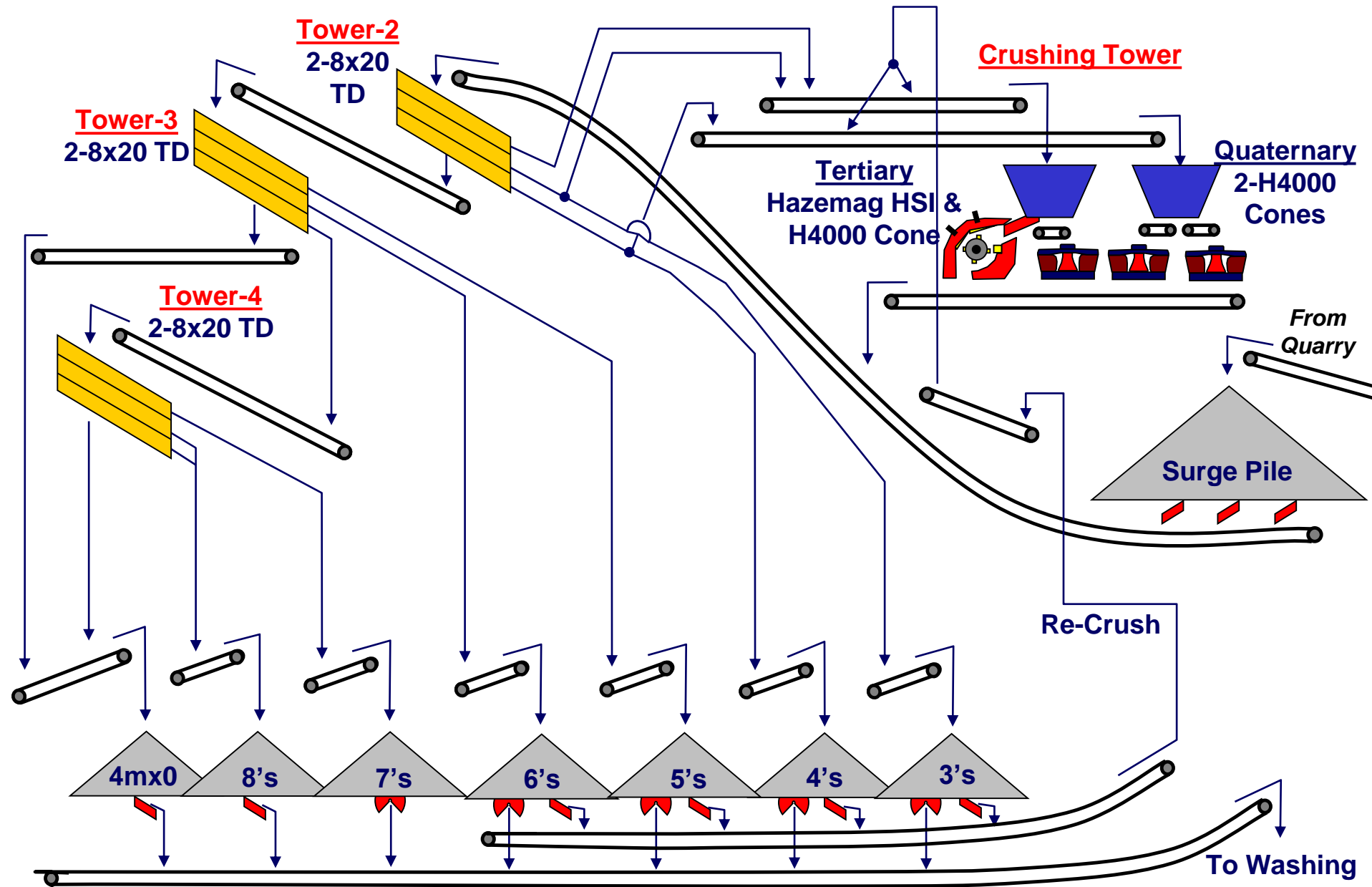
# Blasting



# Primary and Secondary Crushing Circuit

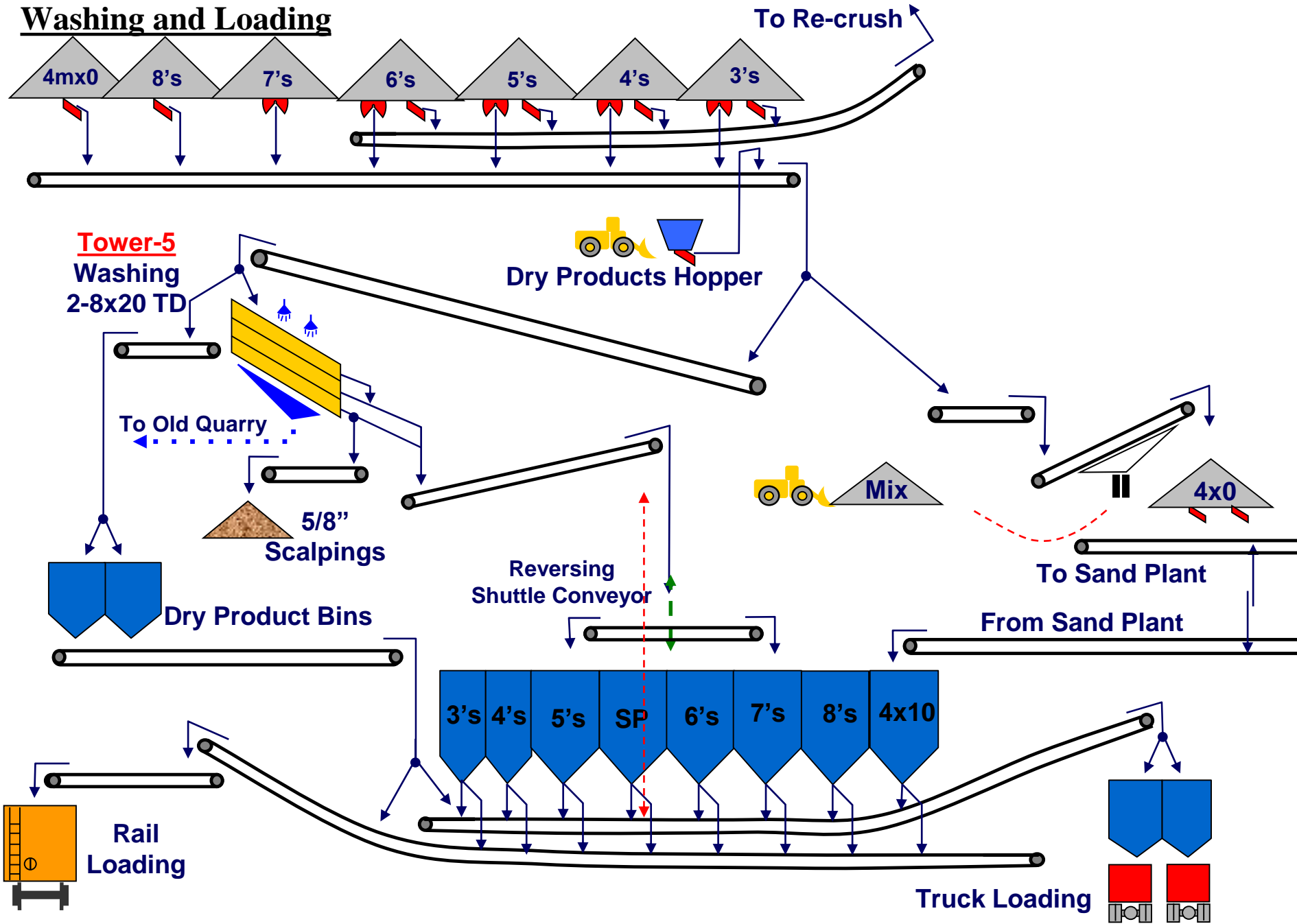


# Tertiary & Quaternary Crushing Circuit

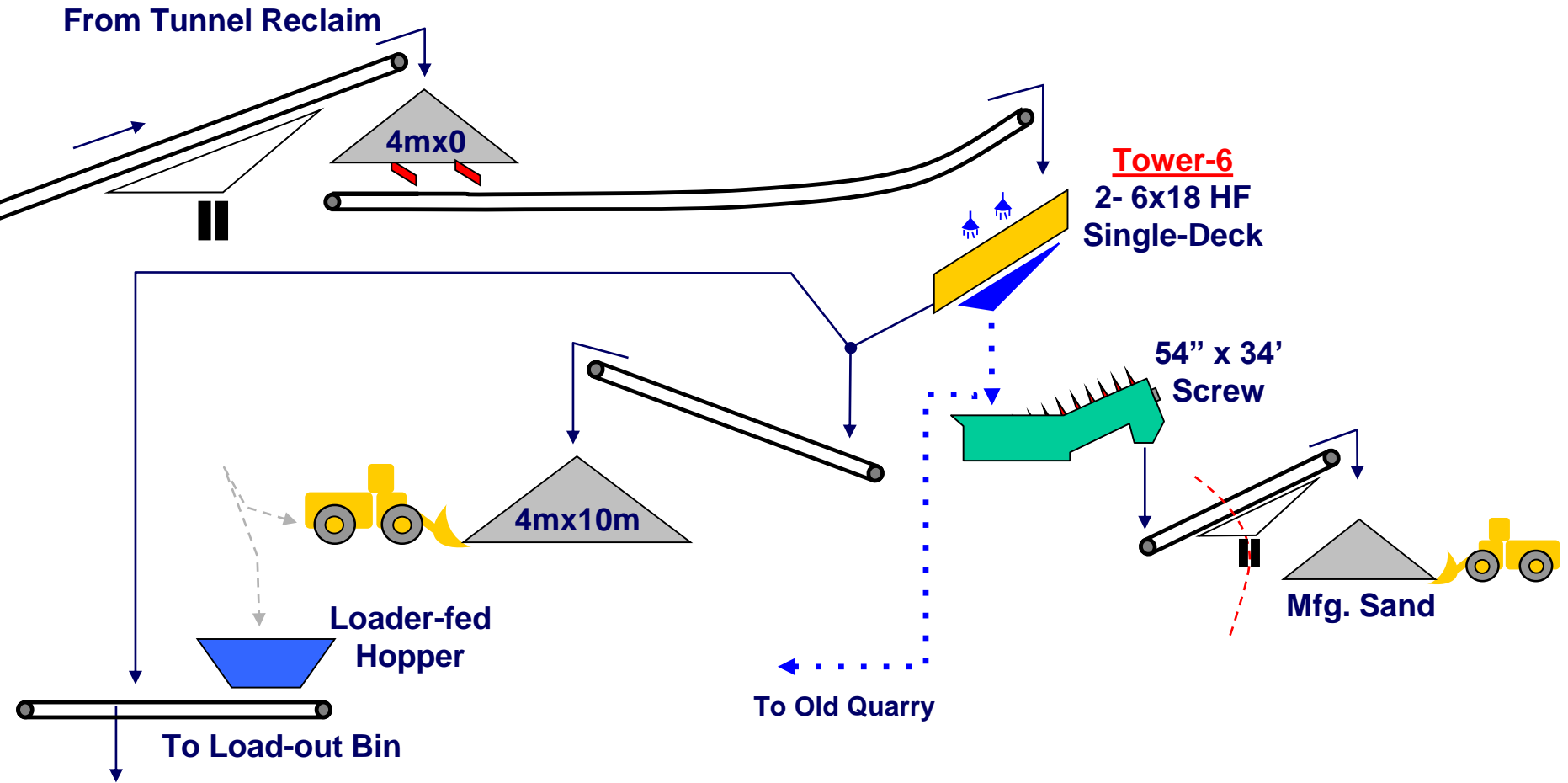




# Washing and Loading

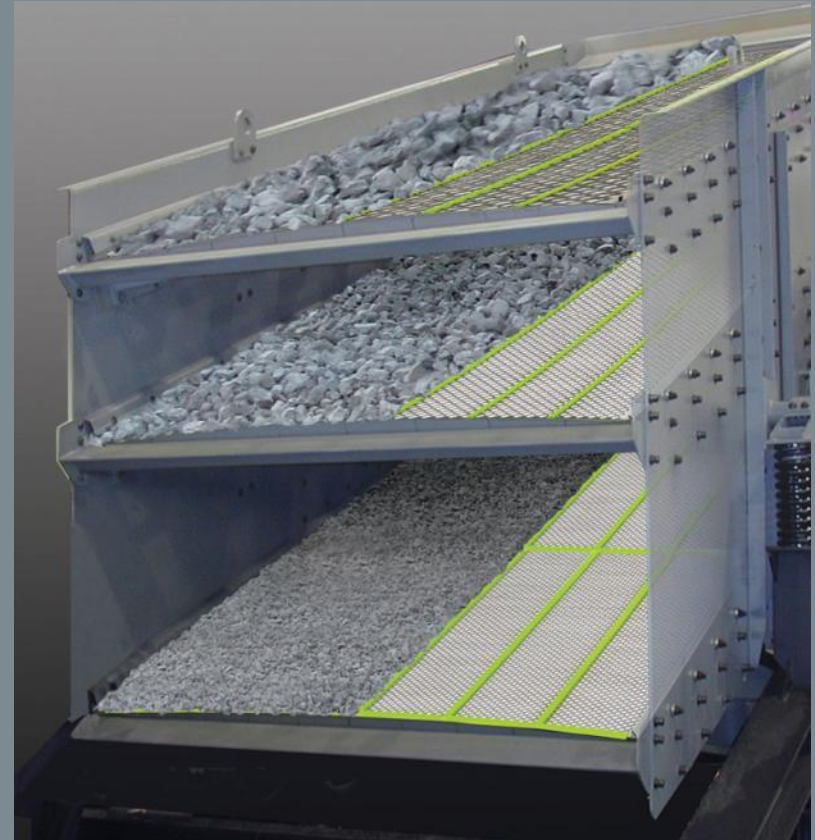


# Sand Plant



# Typical Operations

- Typically a production screen only has 3 decks.
  - Will make 2 or 3 coarse aggregates and one fine aggregate
  - Aggregate Base taken from an earlier screen deck
  - Rip Rap may also be taken from an earlier screen deck





# Typical Uses

Aggregate Sizes	Uses
#57	Concrete, Asphalt, Ground Cover, Backfill
#67	Concrete, Asphalt, Ground Cover, Backfill, Roadway surface treatment
#78	Concrete, Asphalt, Ground Cover, Backfill, Roadway Surface Treatment
Dry Screenings	Asphalt, Fill Material
Manufactured Sand	Asphalt, Concrete, Fill Material, Roadway Surface Treatment
Aggregate Base Course (ABC)	Road Base, Fill Material, Building Pad

# Rip Rap Products



<b><u>Applications</u></b>		<b>Specifications</b>				
		<b>Class 1</b>	<b>Class 2</b>	<b>Class 3</b>	<b>Class 4</b>	<b>Class 5</b>
Bank Protection		10-100	10-200	25-500	50-1000	200-2000
Creek Lining	Size Range (lbs)	10-100	10-200	25-500	50-1000	200-2000
Channel Lining	10% Max Over (lbs)	100	200	500	1000	2000
Earth Dams	50% min over (lbs)	50	80	200	500	1000
Landscaping	10% max under (lbs)	10	10	25	50	
Wildlife Habitat	25% max Under (lbs)					200
Sediment Basins						
Shorelines						
Slope Protection						

	Dry Screenings	Manufactured Sand
LL	NV	NV
PL	NP	NP
PI	NP	NP
USCS Class	SM	SP-SM
AASHTO Class	A-1-b	A-1-b
	124.5	115.7
Opt Moist, %	11.9	12.8
Avg Permeability, cm/sec	$1.2 \times 10^{-3}$	$1.0 \times 10^{-2}$
Avg Permeability, ft/day	3.5	12.8
Friction Angle	43.7	41.2



## All Weather Fill



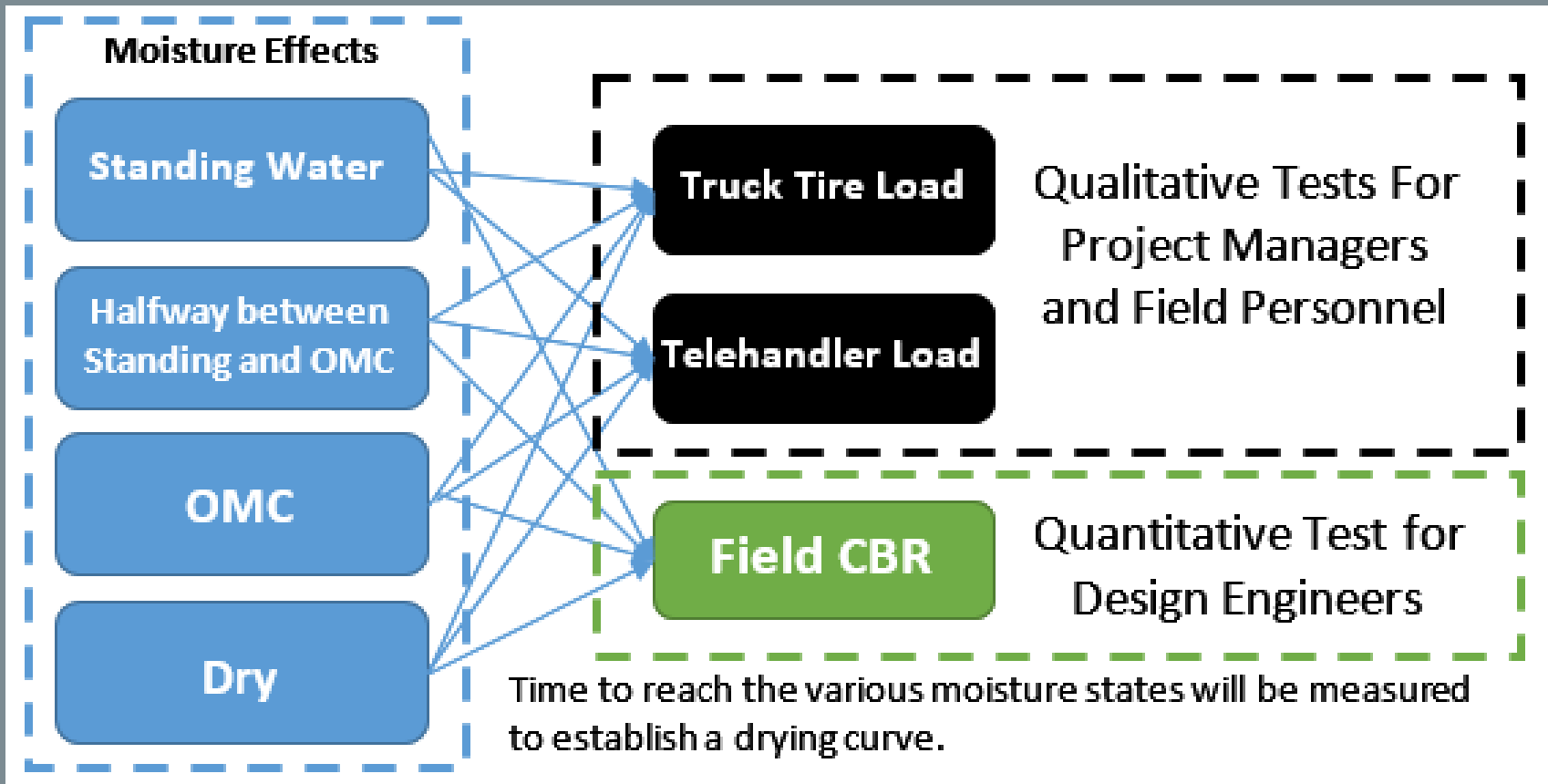
- **Screenings type of material used as a dirt Replacement**
  - **Classified as a sandy soil**
  - **Excellent structural fill**
  - **Reduces project delays due to inclement weather**
- 
-

VULCAN SOLUTIONS

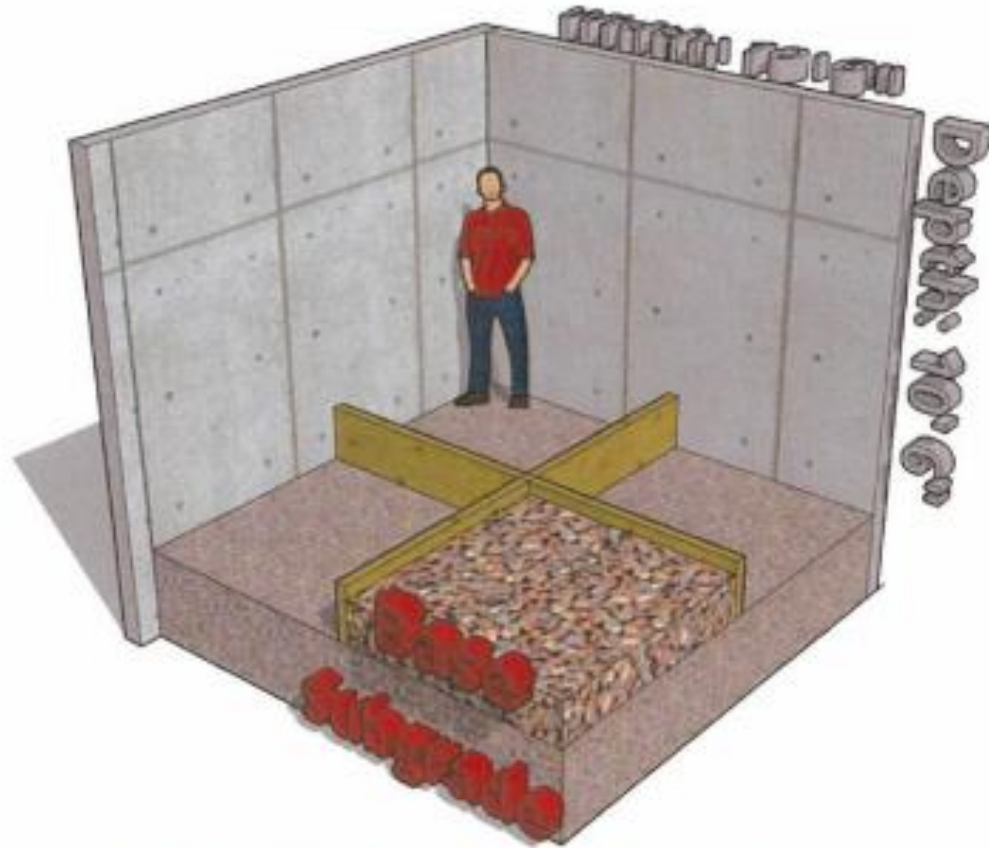
# All Weather Fill



# All Weather Fill Study



# All Weather Fill Study



**Figure 2: Example of how the soil test pit can be divided into four sections and tested independently.**



VULCAN SOLUTIONS

# #24 Crusher Run





# How can we partner to provide solutions?

## Identify Opportunities

Distribution and Other  
Property Usage

Clean Construction  
Debris Sites

Alternative Materials  
and Product  
Applications

Confidentiality

## Provide Full Service Expertise

Trucking Services

Q.C. / Construction  
Materials Testing

LEED

Other Construction  
Materials Services

## Leader in Corporate Social Responsibility

Safety and Health

Environmental  
Stewardship

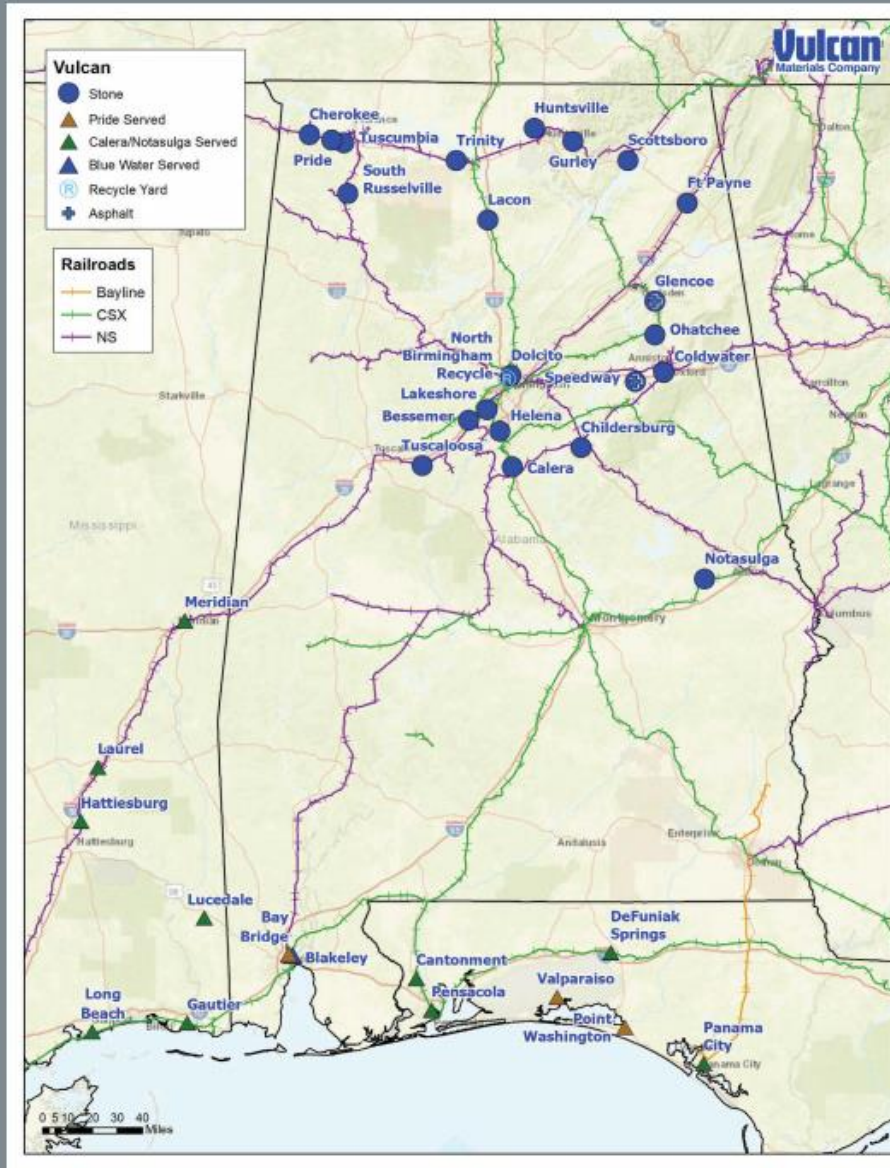
Community Outreach

## Value Creation by Involving Vulcan in Early Stages of the Project

### Early involvement in the design process/proposal development to provide:

- **Technical expertise:** QC, Testing, Product Application and Selection, ready mix and hot mix asphalt
- **Constructability** input related to our products and services
- Leader in Safety, Environmental, and Corporate Social Responsibility
- Identify **Ship / Barge / Rail** and **Truck** solutions
- Access to over **5,500** haul trucks across Vulcan's footprint
- Create **value** for the project by developing new potential strategic sourcing, such as:
  - **Distribution Yards**
  - **Portable Ready Mix, Hot Mix Asphalt, and Crushing Plants**
  - **Greenfield Quarries**

# VULCAN QUARRY LOCATIONS



### Regional Sales Representative:

Paula Hansen – Central & South AL 205-298-3662 • 205-500-1979  
 Cathy Juliano – North AL 205-298-3708 • 205-492-6586

<b>Bay Bridge Yard</b> Anthony Grijalva (251) 259-2187	<b>Gurley Quarry</b> Tyler Clark (256) 808-8285	<b>Panama City Yard</b> Anthony Grijalva (251) 259-2187
<b>Bessemer Quarry</b> Charles Smith (205) 234-3867	<b>Hattiesburg Yard</b> David Jones (601) 941-5989	<b>Pensacola Yard</b> Anthony Grijalva (251) 259-2187
<b>Blakeley Island Yard</b> Anthony Grijalva (251) 259-2187	<b>Helena Quarry</b> Charles Smith (205) 234-3867	<b>Point Washington Yard</b> Anthony Grijalva (251) 259-2187
<b>Calera Quarry</b> Alex Oczipok (205) 709-7166	<b>Huntsville Quarry</b> Cody Dunagan (256) 303-4766	<b>Pride Quarry</b> Mike Bishop (256) 366-0761
<b>Cantonment Yard</b> Anthony Grijalva (251) 259-2187	<b>Lacon Quarry</b> Cody Dunagan (256) 303-4766	<b>Scottsboro Quarry</b> Tyler Clark (256) 808-8285
<b>Cherokee Quarry</b> Mike Bishop (256) 366-0761	<b>Lakeshore Quarry</b> Charles Smith (205) 234-3867	<b>South Russellville Quarry</b> Mike Bishop (256) 366-0761
<b>Childersburg Quarry</b> Rob Patrick (205) 490-3575	<b>Laurel Yard</b> David Jones (601) 941-5989	<b>Speedway Quarry</b> Jeremy Allen (256) 390-1981
<b>Coldwater Quarry</b> Jeremy Allen (256) 390-1981	<b>Long Beach Yard</b> David Jones (601) 941-5989	<b>Trinity Quarry</b> Cody Dunagan (256) 303-4766
<b>DeFuniak Springs Yard</b> Anthony Grijalva (251) 259-2187	<b>Lucedale Yard</b> David Jones (601) 941-5989	<b>Tuscaloosa Quarry</b> Alex Oczipok (205) 709-7166
<b>Dolcito Quarry</b> Charles Smith (205) 234-3867	<b>Meridian Yard</b> David Jones (601) 941-5989	<b>Tuscumbia Quarry</b> Mike Bishop (256) 366-0761
<b>Fort Payne Quarry</b> Tyler Clark (256) 808-8285	<b>North Birmingham Recycle Yard</b> Charles Smith (205) 234-3867	<b>Valparaiso Yard</b> Anthony Grijalva (251) 259-2187
<b>Gautier Yard</b> David Jones (601) 941-5989	<b>Notasulga Quarry</b> Rob Patrick (205) 490-3575	
<b>Glencoe Quarry</b> Jeremy Allen (256) 390-1981	<b>Ohatchee Quarry</b> Jeremy Allen (256) 390-1981	

