

## Supplemental Information

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### 1. Site Operator:

- Payne & Dolan, Inc. is a family-owned, quality-oriented company since 1930
- Local office located in Fitchburg, corporate office located in Waukesha, Wisconsin
- Proven record in Dane County in the operation and reclamation of nonmetallic mineral extraction sites
- Leading producer of asphalt pavement mix, crushed stone, sand, and gravel for municipal, residential, commercial, and industrial projects
- Owners and operators of crushed stone and sand & gravel extraction sites in Dane County and throughout Wisconsin, Illinois and Michigan
- Proven company with decades of experience in the opening, operating and reclaiming of mineral extraction sites
- Committed to quality service, community stewardship and environmental awareness
- Operating sites within Dane County located in City of Fitchburg, Town of Dunkirk, Town of Oregon, Town of Verona and the Town of Vienna

### 2. Facts Relating to the Consumption of Aggregates:

- More than 2.5 billion tons of aggregate (sand, gravel and crushed stone) are used each year in the United States
- Over 62 million tons of aggregates were produced in Wisconsin in 1997
- That's over 11 tons for every man, woman and child
- An average of 120 tons of aggregate are used in the construction of a new house
- Over 85,000 tons of crushed stone are needed for the construction of one mile of four-lane interstate highway
- 15,000 tons of aggregate is required to build an average school
- Aggregates make up more than 95% of asphalt and over 90% of concrete

### 3. The Need for Sand and Gravel Aggregates:

- On an industry-wide basis, the permitted reserves of sand and gravel in Dane County are being used faster than they are being replenished
- With permitted reserves of high-quality sand and gravel in Dane County having limited life spans, there is a need to identify, locate, preserve and develop new aggregate sources in Dane County
- Significant quantities of aggregates currently utilized in Dane County are purchased outside of Dane County at substantial additional trucking costs
- The amount of crushed aggregate to be produced in the next 25 years will equal the quantity of all aggregates produced during the 20<sup>th</sup> century
- The population of Dane County is projected to continue its accelerated growth into the future which will increase the amount of additional aggregate needed in the future
- Based on the above projections, vast quantities of crushed aggregate will be needed in the future and much of it will have to come from resources yet to be identified and permitted

- Payne & Dolan's Oregon site will help insure the supply of economical natural resources for future generations

#### 4. Why this Site?

- The site has been tested to verify that a high quality deposit of sand and gravel does exist on the site.
- The site is of significant size to warrant the cost of developing
- The deposit on the site is a registered nonmetallic mineral extraction deposit
- Site is close to end users with prime transportation infrastructure
- Sand and gravel removed from the adjoining Kahn site has been used to build many road projects in and around the Town of Oregon and Dane County including:
  - STH 14 from Oregon to the Belt line
  - New Verona Road / Beltline Interchange
  - Beltline resurfacing
  - Town of Oregon roads
  - USH 51 from Stoughton to Madison
  - Various town road repaving programs
  - Many local commercial, industrial and residential projects
- Very few areas remain in Dane County with high potential for high quality sand and gravel deposits large enough to warrant permitting and development.
- Less than 1% of the land in Dane County has the potential for available high quality sand and gravel
- See attached Potential Sources of High Quality Sand & Gravel Map.
- Other potential locations that may contain sand & gravel have been built upon with residential or commercial developments
- There is a significant amount of high-quality sand and gravel on the Oregon Site that is accessible with conventional mining methods and procedures
- There is ample open space to allow setbacks and buffer areas to be developed around the future aggregate site to minimize impact on neighbors

#### 5. Transportation Costs and Savings:

- At 10-15 cents per ton-mile, hauling distances of 20-30 miles can more than double the delivered price of aggregates
- The construction cost of one mile of two-lane road will increase by \$15,000-20,000 for each additional mile the stone is hauled
- As fuel prices, maintenance, insurance costs and wages increase so does the transportation costs of these materials

#### 6. Drainage:

- Water from all undisturbed areas around the extraction area will be directed around the active extraction area
- Water from within the active extraction area will be contained within the active area throughout the life of the project
- A surface water pollution prevention plan will be implemented and the necessary erosion control and stormwater permits will be obtained from Dane County and the DNR

**7. Transportation of Products by Trucks:**

- Ingress and egress from the site would be on CTH MM
- Trucks will utilize the existing paved entrance road, acceleration lanes and passing lane that were designed and constructed to state and county standards
- All trucks will be tarped
- The increase in annual average daily traffic (AADT) will be minimal
- Haul trucks are monitored for compliance with local, state, and federal safety and operating standards
- Traffic will be minimal during winter months because production is tied directly to construction activities

**8. Hydrologic Analysis**

- As part of the site evaluation process, a detailed hydrologic study was completed by Nancy Zolidis, and independent hydrogeologist and recently reviewed by Rob Montgomery, an independent groundwater engineer
- The study was performed to investigate and assess the potential impact of the proposed sand & gravel extraction on private wells, surface water and groundwater
- The original study concluded that “The proposed mining at the site will not result in adverse impacts on the quantity or quality of the local groundwater system”
- There have been no issues with the operation of the adjoining Klahn site, providing verification that sand and gravel extraction operations can be without impact on the groundwater
- Stringent operational controls and the implementation of a storm water pollution prevention plan will maintain groundwater quality
- The well protection and claims procedure condition included in the Klahn CUP permit will be included with this site

**9. Environmental Regulations:**

- Payne and Dolan is committed to operating an environmentally safe aggregate site and will meet the state and federal regulations controlling aggregate extraction operations
- The following is a summary of various state and federal environmental rules that would regulate the aggregate extraction operations at the Oregon Site:

Dust Control

Air Permits	Wi Adm Code NR 406, 407
Record Keeping	Wi Adm Code NR 438, 439
Fugitive Dust Control	Wi Adm Code NR 431

Reclamation

Nonmetallic Mining Reclamation	Wi Adm Code NR 135
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Petroleum Products Management

Petroleum Storage	Wi Adm Code ATPC 93
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Spill Prevention and Response

Spill Prevention Plans 40 CFR 112 (US)  
 Spill Reporting, Response and Cleanup Wi Adm Code NR 700

Stormwater

Stormwater Permits Wi Adm Code NR 216  
 Pumping Permits Wi Adm Code NR 200

Wetlands and Waterways

Wetland Permits Clean Water Act, Sec 404  
 Waterway Permits WI Statutes, Ch 30  
 Wi Adm Code NR 103, 299

General Operations

Mining Operations: Mining Safety 30 CFR 56/57/58 (US)  
 Wi Adm Code NR Comm 8  
 Water Use Permit Wi Adm Code NR 860  
 Water Use Reporting Wi Adm Code NR 856

**10. Benefits and Commitments to the Community**

- An annual payment of \$7,500.00 to the Town of Oregon each year the permit is in effect. (which is equivalent to the Town’s share of taxes from 15 ½ homes assessed at \$150,000/each)
- The aggregate site would generate additional real estate and personal property tax above the current tax collected
- Site would have minimal demand for local services
- The benefits that are generated by an aggregate site are not always direct benefits and in many cases not easy to identify
  - A large portion of our tax dollars are spent on building and maintaining roads, bridges, schools, hospitals, office buildings and other public facilities
  - A large portion of the cost of these public facilities is directly related to the cost of crushed aggregate and sand materials
  - If we have a good local source of quality crushed aggregate and sand, these costs are less
- As the Town of Oregon and Dane County continue to grow, the communities wants and needs for additional services will also grow
- Without the support of corporate America, many of the civic needs in many communities would not be affordable
- Payne & Dolan has demonstrated in the past that it is a good corporate citizen and has been very involved in supporting communities in which we operate
- We have also supported youth activities including local education foundations, Boy Scouts, Girl Scouts, Boys and Girl Clubs, etc.
- Active contributor to the United Way and other civic organizations
- Community support and working with the communities that we operate in is important to Payne & Dolan and an important part of our commitment to being a good corporate citizen
- The dedication to excellence embraced by Payne & Dolan has been recognized and rewarded often. Among the more notable awards are: the Diamond Achievement Awards given by the National Pavement Association; the National Quality Initiative presented by the US Department of

Transportation for quality construction; and the Exemplary Voluntary Efforts Award present by the US Department of Labor of enhancing employment activities for women, minorities, individuals with disabilities and veterans from the Vietnam era

- All of Payne & Dolan's permanent asphalt plants in Wisconsin have been awarded and are current holders of the National Asphalt Pavement Association Diamond Achievement Environmental Award and the Wisconsin Environmental Citizenship Award